

Lakeland Regional High School

2023-2024 Curriculum Handbook



Administration

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Ms. Jessica Rapp	Business Administrator/Board Secretary
Mr. Michael Novak	Assistant Superintendent of Curriculum & Instruction
Dr. Ronald Finkelstein	Principal Operations Administrator
Ms. Rita Mazza	Principal Operations Administrator
Mr. Timothy Conway	Director of School Counseling
Ms. Audrey Poggioli	Director of Special Services
Mr. John Yost	Director of Athletics
Dr. Dave Nidosik	UPAL Director and Area Supervisor

Board of Education

Mr. Robert Adams

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Mr. Matt Geyer

Mr. Bruce Gibson

Mr. John Griffin

Ms. Kerrian Palmieri

Mr. Joseph Walker

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RealTime Student Information Portal

The RealTime Student Information Portal provides parents, guardians and students 24-hour access to critical attendance, communication and grade information. Features include an academic calendar, listing current assignments for classes, student schedule, current and previous course grades, attendance, discipline, testing, as well as additional information. Username and passwords are disseminated at the beginning of the school year. Contact the School Counseling Office for further information.

Report Cards will be issued only through RealTime.

Parents, guardians, and students can access the RealTime Student Information Portal with their assigned logon information by going to the Lakeland Regional High School homepage at <http://www.lakeland.k12.nj.us> and then clicking on the Menu option at the top of the page and following the drop down to Academics and Parent Portal RealTime. Students can access their own accounts using their logon information by going to the Lakeland Regional High School homepage listed above follow the same instructions and then choose Student Portal RealTime. Students should select the Student Portal link.

GoogleClassroom

Many teachers utilize GoogleClassroom within their courses. The platform allows teachers to create and organize assignments, provide feedback, and easily communicate with their classes. Google Classroom helps students organize their work in Google Drive, complete and turn in assignments, and communicate directly with their teachers. Upon enrollment in the class, the teachers will provide students with an individual pass key which provides them access to their Google Classroom page.

OVERVIEW OF EDUCATIONAL REQUIREMENTS

COURSE CREDIT

Credit toward graduation is awarded for coursework successfully completed as long as the maximum number of unexcused absences has not been exceeded. Please see the student handbook for a detailed review of the loss of credit policy and procedures. All students must schedule a lunch each year. Exceptions can be made with prior approval of the Director of School Counseling for seniors who need to schedule additional credits to fulfill a graduation requirement. It is required that all students take 40 credits each year.

GOOD STANDING

In order to be eligible to participate in any extracurricular activities, you must be a student in good standing. A student is considered to be in good standing if they meet all of the following criteria:

- Academic: Students must have a current GPA of 2.0. Additionally, any student who has been suspended 3 or more times may be excluded from participation in all activities for that school year.
- Attendance: Students must be within the school attendance policy.
- Fines/Obligations: All fines and obligations must be satisfied.

Students who wish to be eligible for student privileges (e.g. prom, graduation, class trips) must be in good standing to qualify.

COURSE DISTRIBUTION AND CREDIT REQUIREMENT FOR GRADUATION

135 credits are required for graduation, including the following minimum distributions:

- 20 credits of English
- 15 credits of Social Studies (10 credit of US History and 5 credits of World History)
- 15 credits of Mathematics (Algebra 1, Geometry, & 3rd year advanced math)
- 15 credits of Science (Biology, Chemistry/Environmental/Physics, & 3rd lab or inquiry-based science)
- 5 credits of Physical Education and Health for each year of attendance
- 5 credits of Visual and Performing Arts
- 5 credits of 21st Century Life & Career Skills
- 5 credits of a World Language
- 2.5 credits of Computer Applications
- 2.5 credits of Personal Financial Literacy
- Passing score on all state mandated tests as required by the New Jersey Department of Education

COURSES MEETING GRADUATION REQUIREMENTS

It is important to note that one course may not be used to meet requirements in two areas, such as Visual and Performing Art and 21st Century Life and Careers. For example, a student cannot take Digital Photography 1 and have it meet both the Visual and Performing Art and 21st Century Life and Careers requirement. However, if a student took Digital Photography 2, then this second five credit course could meet the other category requirement.

PREREQUISITES

In order to enroll in certain courses listed in this handbook, a minimum grade in a prior level course may be required. If a student has achieved this grade at the time of scheduling, the prerequisite is considered as having been met for scheduling purposes. However, if the student's final grade at the completion of the prior level course does not meet the required prerequisite, the student will not be permitted to enroll in the next level course. All sequential courses must be taken in the prescribed order. These courses may not be taken simultaneously without prior written permission from the Assistant Superintendent of Curriculum and Instruction.

EXPLANATION OF TECHNOLOGY LITERACY REQUIREMENT

Students must successfully complete 2.5 credits of Computer Applications

EXPLANATION OF VISUAL & PERFORMING ARTS & 21ST CENTURY LIFE SKILLS REQUIREMENTS

Students must successfully complete 5 credits of Visual & Performing Arts & 5 credits of 21st Century Life & Career Skills.

DEPARTMENT	VISUAL & PERFORMING ARTS	21 ST CENTURY LIFE & CAREERS
Art	Art 1 & 2	Fashion Illustration & Design 1 & 2
	Ceramics & Sculpture 1 & 2	Studio Art
	Fashion Illustration & Design 1 & 2	-----
	Drawing & Painting	-----
	Graphic Design 1 & 2	Graphic Design 1 & 2
	Studio Art	-----
	Digital Photography 1 & 2	Digital Photography 1 & 2
	Art History AP	-----
Business	-----	Multimedia 1 & 2
	-----	Print Media Production
	-----	Introduction To Business
	-----	Business Management
	-----	Keyboarding
	-----	Accounting 1 & 2
	-----	Marketing
	-----	Principles of Economics (PA)
	-----	Business Practice Firm
	-----	ENTR 101: Entrepreneurship Experience
Mathematics	-----	SCRATCH
	-----	AP Computer Science A
	-----	Math Applications
	-----	AP Computer Science Principles
	-----	JAVA
	-----	Computer Science C ++
	-----	Python
Social Studies	-----	Criminal Justice
	-----	Politics & Government
Consumer Science	-----	Foods
	-----	World Cuisine & Culture
	-----	Advanced Cooking & Baking
Music	Exploring Music	-----
	Music Theory Honors & AP	-----
	Concert Chorus	-----
	Band	-----
	Piano Lab	-----
	Guitar Lab	-----
	Music Technology	Music Technology
Science	-----	AP Biology
	-----	AP Chemistry
	-----	Science Research 1-4

DEPARTMENT	VISUAL & PERFORMING ARTS	21ST CENTURY LIFE & CAREERS
Performing Arts	Theatre Arts I	-----
	Theatre Arts II	-----
Technology Education	Studying Film	Studying Film
	Video 1-4	Video 1-4
	-----	Introduction to Technology
	-----	Robotics Engineering 1 & 2
	-----	Technology Engineering & Design 1 & 2
	-----	Drafting & Design Technology 1 & 2
	-----	Architectural Design
	-----	Electronics 1 & 2
	-----	Podcasting & Broadcast Media
Comprehensive Health & Physical Education	-----	Exercise Science
	-----	Kinesiology
	-----	Movement & Wellness

School Counseling	-----	School to Work/Senior Internship

LRHS GRADUATION CHECKLIST

CONTENT AREA	COURSES	COURSES COMPLETED	CREDITS EARNED	CREDITS NEEDED
ENGLISH				20
	English 1			5
	English 2			5
	English 3			5
	English 4			5
SOCIAL STUDIES				15
	World History			5
	US History 1			5
	US History 2			5
MATHEMATICS				15
	Algebra 1			5
	Geometry			5
	*3 rd year of math post Algebra 1 & Geometry			5
SCIENCE				15
	Biology			5
	Chemistry, OR Physics, OR Environmental Science			5
	*3 rd Year of Lab Science			5

WORLD LANGUAGE	Spanish 1, Italian 1, French (Educere)			5
PE/HEALTH	*5 credits for each year of enrollment			*5 credits for each year of enrollment
VISUAL & PERFORMING ARTS	*see list on pg. 8-9			5
21ST CENTURY LIFE & CAREERS	*see list on pg. 8-9			5
FINANCIAL LITERACY	Personal Financial Literacy			2.5
COMPUTER LITERACY	Computer Applications			2.5
ELECTIVES				30
TOTAL CREDITS				135

SCHOOL TO CAREER AND COLLEGE PROGRAM

To complement the necessary high school graduation requirements, students should seek assistance from school counselors and teachers to select courses applicable to their future educational and career goals.

The School to Career and College program at Lakeland is based on the concept that education works best and is most useful for future careers when students apply what they learn to authentic situations. Lakeland offers students challenging, relevant academic opportunities for meaningful work-based experience through the School to Career and College Program.

The Department of Education adopted into law the most recent adoption of the New Jersey Student Learning Standards. That document mandates Standard 9.2: Career Awareness, Exploration, Preparation, & Training.

During 11th grade, students take a Personal Finance & Literacy and a Computer Applications course as well as an individual junior conference to review post-secondary goals and expectations. Twelfth students are eligible for the Senior Options Program which offers students the opportunity to participate in school-to-work (paid employment), senior internships, community service, and dual enrollment with local colleges.

SOPHOMORE EXPLORE

To continue the development of college and career readiness, sophomores will be provided with school counseling curriculum at various times throughout the year. The curriculum will focus on the importance of the Preliminary SAT (PSAT) and how this assessment will help identify academic strengths and areas in need of support. The school counselors will work with each sophomore who took the PSAT by reviewing test scores, interpreting results, and offering advice on how to improve prior to moving on to the SAT and ACT in their junior year. The school counselors will also meet with each student as a sophomore for academic planning.

- **Grade 10**

JUNIOR CONFERENCE

In the spring of junior year, students and parents will be invited to attend an individualized Junior Conference with their school counselor. The conference will cover the student's progress towards graduation, course selection for senior year, and possible career and post-secondary plans. Processes and procedures for college, career, technical school and military options will be reviewed in depth.

- **Grade 11**

SENIOR OPTIONS PROGRAM

Select the workplace for a career exploration of your choice. As the follow up to the junior conference, students can experience a workplace setting related to one or all of the students' career interests. This voluntary program will help a student gain job experience in a field of interest in a paid position or internship. Students may also choose to do a year of senior service or participate in our dual enrollment program.

- **Grade 12**

Credits based on hours of participation

PREPARATION FOR COLLEGE

Colleges vary greatly on the courses they require for incoming students. There is no one combination of courses that would qualify a student to meet the admission requirements of all colleges. College admission criteria include grades, class rank, and scores on college admission exams. Students planning to attend college should consult with their school counselor so that they can enroll in appropriate preparatory courses.

Students are encouraged to avail themselves of the variety of services provided by the School Counseling Department. Information is now available online to all students and parents through SCOIR, a career and college information resource. Students and parents receive their individual access codes the summer of freshman year. College and career information, including catalogs and general resource materials, is also available for review in the School Counseling Office. Scholarship information and resources are also made available to students in the office and online.

MINIMUM COLLEGE COURSE REQUIREMENTS FOR FOUR-YEAR COLLEGES

1. Successful completion of 16 academic units. An academic unit is a yearly course in the areas of English, Social Studies, Mathematics at the level of Algebra 1 or higher, laboratory science, or World Language. These courses should be on the standard College Prep level as a minimum for 4-year colleges.
2. Certain specific subjects may also be required. Commonly used subjects are:
 - a. 4 years of English
 - b. 3 years of college prep math (Algebra 1, Geometry, Algebra 2; with some colleges requiring Pre-Calculus.)
 - c. 3 years of a lab science (Biology, Physics, Chemistry, Integrated Science, Environmental Science, Forensic Science)
 - d. 2 years of the same world language taken in high school (Spanish, French, Latin)
 - e. 3 years of Social Studies (World History and United States History)
3. Additional academic units will aid the student in the admissions process.
4. The addition of non-academic opportunities, such as extra-curricular activities, volunteer/community service and other programs are also considered a major part of the college admissions process.

WHAT COURSES WILL PREPARE YOU FOR COLLEGE ADMISSIONS?

SUBJECT	MINIMUM COLLEGE PREPARATION	STATE UNIVERSITY & OTHER SELECTIVE COLLEGE REQUIREMENTS	HIGHLY SELECTIVE COLLEGE RECOMMENDATIONS (HONORS & AP LEVELS WHEN POSSIBLE)	MY COURSES TO DATE	COURSES I NEED TO TAKE
ENGLISH	4 years	4 years	4 years		
MATH	3 years, including Algebra, Geometry, and Advanced Algebra	3-4 years, including Algebra, Geometry, Advanced Algebra & possibly Pre-Calculus	4 years, including Algebra, Geometry, Advanced Algebra & Pre-Calculus /Calculus		
SOCIAL STUDIES	3 years	3-4 years	4 years		
SCIENCE	3 years, including Biology, Chemistry & Physics	3-4 years, including Biology, Chemistry, Physics	4 years, including Biology, Chemistry & Physics		
WORLD LANGUAGE	2 years of the same World Language	2-4 years of the same World Language	3-4 years of the same World Language		

GPA AND CLASS RANK

Every course that students take in high school counts in calculating their grade point average (GPA). The GPA is determined by multiplying the quality points earned in each course by the course weight (the number of credits) and dividing this number by the total number of credits attempted. This GPA is reported to colleges as students submit their applications.

The class rank is determined by the sum of all quality points earned by students in all courses with the exception of Physical Education. Health and Driver's Education courses are counted for class rank. Students who transfer into the district must complete at least four semesters in the district in order to be considered for valedictorian/salutatorian.

Please Note: *Final Class Rank is determined at the end of the third quarter of senior year.*

GRADE SCALE

	GENERAL	COLLEGE PREP	COLLEGE PREP- ADVANCED	HONORS	AP
A+	4.00	4.33	4.67	5.00	5.33
A	3.67	4.00	4.33	4.67	5.00
A-	3.33	3.67	4.00	4.33	4.67
B+	3.00	3.33	3.67	4.00	4.33
B	2.67	3.00	3.33	3.67	4.00
B-	2.33	2.67	3.00	3.33	3.67
C+	2.00	2.33	2.67	3.00	3.33
C	1.67	2.00	2.33	2.67	3.00
C-	1.33	1.67	2.00	2.33	2.67
D	1.00	1.33	1.67	2.00	2.33
F	0	0	0	0	0

PROCEDURE FOR DETERMINING CLASS RANK

1. Use the number associated with the level of the course (College Prep Advanced) and the grade received in the course (A+)
2. Multiply the number from step 1 (4.33) times the number of credits for the course (5 credits) to get the total quality points (21.65) for the course.
3. Do this for each course and Class Rank is sorted by the most summed quality points earned.

Class Rank attained at the end of junior year is the rank that will appear on senior transcripts for applications sent in the fall to colleges and post-secondary institutions. A final rank will be determined at the conclusion of senior year and will be reported to the college/postsecondary school that the student will attend.

The valedictorian and salutatorian are to be determined by summed quality points at the end of 7 ½ semesters.

A student may elect to enroll in courses taken before or after the school day, prior to grade 9, at the post-secondary level, through correspondence schools, via the internet or through online instruction. It is important to note that these courses may count for LRHS credit and will not be included in the calculation for grade point average (GPA), summed quality points, or class rank. These courses are for enrichment only.

These courses cannot supplant or replace any New Jersey State Department of Education requirement or local LRHS requirement. Exceptions include courses that are taken for dual enrollment and have been pre-approved by LRHS. Documentation proving successful completion must be provided to LRHS for consideration to be added to the student's final transcript.

COURSE LEVELS

<u>GENERAL</u>	<u>COLLEGE PREP ADVANCED</u>	<u>HONORS</u>	<u>AP/DUAL ENROLLMENT</u>
All Special Education Program Courses	All College Prep-Advanced Courses	All Honors Courses	All AP Courses
All Foundations Level Courses	All English Electives		ECON1403 – Principles of Economics
Integrated Science Labs	All Business Electives		ENTR 101: Entrepreneurship Experience
English as a Second Language (ESL)	All Mathematics Electives		COBF2212 – Studying Film
Language Arts Skills	All Consumer Science Electives		All College/University Dual Enrollment Classes
Mathematics Skills	All Visual & Performing Arts Electives		
All Modified Electives	All Science Electives		
	All Music Electives		
	All Physical Education Courses		
	All Social Studies Electives		
	All Technology Education Electives		

GRADES

EXCELLENT	A+	97-100
	A	93-96
	A-	90-92
GOOD	B+	87-89
	B	83-86
	B-	80-82
FAIR	C+	77-79
	C	73-76
	C-	70-72

POOR	D	65-69
FAIL	F	0-64
WITHDREW FAILING	WF	0-64
WITHDREW PASSING	WP	65-100
PASS	P	75
INCOMPLETE	I	
NO CREDIT	N	
AUDIT	AUD	

High Honor Roll = All A's Regular Honor Roll = All A's and B's

To be eligible for Honor Roll students must carry a minimum of 3 courses per marking period.

SPECIAL NOTES

Incomplete grades are required to be made up promptly. Permissible make-up time should be proportional to time missed. If an incomplete is not made up in the allotted time period, a grade of “F” will be assigned.

Students who withdraw from a course while failing will receive a “WF” on their record and report card after three weeks into a semester course or six weeks into a full year course.

It is strongly recommended that failed courses be made up in summer school, at an accredited program or via virtual school. This is particularly important when dealing with a sequential subject, since students will not be permitted to take an advanced subject until the prerequisite subject is passed. Summer school will be available at Lakeland.

Students who transfer in from another district without a percentage along with the letter grade, will receive the lowest percentage score within the same letter range in their historical grades.

VIRTUAL HIGH SCHOOL COURSES

Lakeland Regional High School, in conjunction with Educere, provides an option for students to participate in select online courses. These courses have been approved to meet the core curriculum standards. These courses can be taken for remediation purposes only (make-up of a failed class) and not to accelerate or take an additional course for credit. Students may only enroll in virtual school courses that have been pre-approved by the Chief School Administrator or designee. The current cost during the 2021-2022 school year is \$195.00 per course. All tuition and fees are the responsibility of the parent/student. Additional information is available in the school counseling office and on the LRHS website.

NOTE: Summer School is offered at LRHS and virtual school will only be available for students where a course is NOT offered during the summer school session.

FINAL EXAMS

A final exam will be administered to students at the conclusion of the course and will account for 10% of the students’ overall grade. An alternative summative assessment may be assigned in lieu of a final exam with prior administrative approval.

ADVANCED PLACEMENT COURSES

ADVANCED PLACEMENT EXAM OPTION

Students taking an Advanced Placement course may take the Advanced Placement (AP) Exam for that course in lieu of the regular final exam. If the Advanced Placement exam is taken in lieu of the regular final exam, the final grade for the Advanced Placement course will be based solely on the marking period grades. The student's score on the Advanced Placement Exam will have no bearing on the final grade. If the student and parent commit to pursue this option the following conditions apply:

- Registration and payment will be done through CollegeBoard
 - Registration & full payment are due in October.
 - The fee is non-refundable.
- If the student agrees to take the AP exam in lieu of the regular course final exam and then does not take the exam, the student must then sit for the regular course final exam.
- A student may also choose to take the regular course final exam as well as the AP Exam.

ADVANCED PLACEMENT GUIDELINES

- Seniors are not exempt from this policy, even if the student has an "A" average in the course.
- Students may take a maximum of four Advanced Placement courses per year. Students may appeal to the Assistant Superintendent of Curriculum & Instruction for consideration to exceed this cap.
- Students may take an AP course online with pre-approval from administration if it is a course that is not offered in the curriculum guide. This course may be taken during the school day as one of the student's eight courses in order for it to count for class rank and GPA.
- Students must meet the prerequisite for AP classes set in the curriculum guide OR they may appeal to the Director of School Counseling to be permitted into an AP course based on alternative measures. (ie. identified AP Potential through PSAT testing results). A meeting with the department supervisor is required for appeal consideration.

COUNSELOR ASSIGNMENTS

Each student at LRHS has a school counselor who serves the student in the development of their social/emotional, academic, and career goals. The counselor is an invaluable resource in selecting appropriate courses, investigating various careers, and planning for the future. In group guidance and individual conferences, counselors inform students of opportunities and requirements and assist students as they set goals. In order to make choices, students must be aware of their own interests and abilities. A student's school counselor is determined alphabetically. Please consult the student schedule in RealTime for the name of the counselor.

COURSE AVAILABILITY

This curriculum handbook contains a complete list of courses approved by the Lakeland Regional High School Board of Education. The Board reserves the right to modify the list of courses offered in any given year for a variety of reasons.

The Administration, in accordance with Board of Education policy, will decide which courses will run based on student course selection, the availability of professional staff, and other factors. Courses may not run if enrollment is deemed insufficient. Decisions about which courses can be run will be made after students have made their course selections.

While every effort will be made to help students schedule the courses they want, conflicts may occur, especially in courses that can only be offered during one or two sections per year. School counselors will advise students as to their available options. Students and their parents will be asked to adjust the selections based on conflicts or deletion of courses. For more detailed information about course content, please contact the area supervisors directly.

COLLEGE LEVEL COURSES (SENIOR INITIATIVE – SENIORS ONLY)

A number of college level courses may be offered in conjunction with some local colleges. These courses may be offered at LRHS, offered online, or at the college campus. Information is available via the School Counseling office to qualified students at the time of scheduling. Please note that the individual colleges establish criteria for qualification to enroll. All tuition and fees charged by the college are the responsibility of the student and parents. Seniors may receive college credit documented on their high school transcript as well as on a college transcript. All course options above must be approved by the Director of School Counseling and the Assistant Superintendent of Curriculum & Instruction.

A student may elect to enroll in courses taken at the post-secondary level, through virtual schools through online instruction. It is important to note that these courses will not count in the calculation for grade point average, summed quality points, or class rank. These courses are for *enrichment only*. These courses cannot supplant or replace any New Jersey State Department of Education requirement or local LRHS requirement. Documentation proving successful completion must be provided to LRHS for consideration to be added to the student's final transcript.

DUAL ENROLLMENT

LOCAL COLLEGES (OFF-SITE)

Lakeland Regional High School students have the opportunity to enroll as a non-matriculated student at local colleges and universities. Students may take courses for enrichment and/or to meet a state requirement. Any student who supplants an offsite college course to meet a state requirement must follow school procedures to ensure all approvals have been met. Only courses taken to replace New Jersey state requirements will be included in GPA and class rank. All others are for enrichment only.

Students may also only supplant as many courses at LRHS (total of 8) and offsite at local colleges that would provide them with a full schedule. Students **MUST** sign up for these courses no later than 3 weeks prior to the beginning of the semester they plan to enroll. Students failing to follow through on courses at local colleges without meeting the minimum course requirement or withdrawing from the course within the proper course drop timelines will receive a withdraw/failing. As of this publication date, LRHS has partnered with a number of different post-secondary institutions in order to provide students with enriched experiences:

- Passaic County Community College (PCCC) with courses costing \$177.00 per credit at the PCCC campus.
- Montclair State University with courses costing \$285.00 per credit for courses at their campus
- Ramapo College with courses costing \$123.95 per credit for courses at their campus
- William Paterson University with courses costing \$283.00 per credit for courses at their campus
- Kean University at Skylands Campus with courses costing \$200.00 per credit for courses at their campus

COLLEGE CREDIT COURSES (ON-SITE AT LAKELAND REGIONAL HIGH SCHOOL)

Project Acceleration: Lakeland Regional High School, in conjunction with Seton Hall University, is participating in Project Acceleration with their **Studying Film** and **Principles of Economics** courses. Participating students earning a “C” or better will receive 3 college credits from Seton Hall University. All tuition and fees are the responsibility of the student and parent. Any LRHS course taken as part of the Project Acceleration program will be placed in its current course level designation. Please refer to the course level chart.

Entrepreneurship at UDEL: Lakeland Regional High School, in conjunction with University of Delaware, is participating in their Dual Enrollment Program. By enrolling in LRHS’, and earning a grade of “C” or better, students will receive credit from University of Delaware. The cost is approximately \$500.00 for the course. All fees and tuition are the responsibility of the student and parent.

Payment Policies & Procedures

Once registrations have been received and processed, parents/guardians will be billed for their student’s tuition. Project Advance tuition payment information is listed on the tuition invoice.

Upon receipt of the bill, parents/guardians will have the option to pay in full or over a three month payment plan. (\$15 additional fee for payment plan)

Note – Students that are economically disadvantaged should see their school counselor to determine whether they are eligible for financial aid.

INDEPENDENT STUDY

Students wishing to study a subject not offered as part of the regular curriculum, who demonstrate the seriousness of purpose, ability, and maturity required, may be permitted to undertake an independent study. An Independent Study *may not* be taken to supplant a local LRHS or New Jersey State required course.

An appropriate program shall be selected for participating students by the teaching staff adviser, area supervisor, school counselor, and the student. Credit will be assigned according to the specific objectives met or the amount of time spent, whichever is suited to the particular topic. A minimum of one credit shall be awarded for the successful completion of an independent study course. An independent study course must be approved within the first two weeks of the quarter in which the course is offered in order to receive full credit. Independent study courses receive a grade and credit, but are not used to determine GPA or class rank.

NATIONAL HONOR SOCIETY

The National Honor Society is designed to honor students who have distinguished themselves in the areas of **scholarship, leadership, service, and character**. After students become a member of NHS, they are reviewed periodically by faculty and must maintain the high standards of the Society. NHS is an academic organization with a service component; members are expected to participate in the Chapter's projects and monthly meetings. The Lakeland Chapter of the National Honor Society is actively affiliated with the national office of NHS and is sponsored by the National Association of Secondary School Principals. The LRHS Assistant Superintendent of Curriculum & Instruction is a member of NASSP and that membership appointment includes an adviser's role of the Lakeland Chapter of NHS. The Lakeland Chapter follows the selection procedures established by the national office and the Lakeland Chapter Bylaws.

NATIONAL HONOR SOCIETY CRITERIA

1. Students are considered for membership in the fall semester of their junior and senior year.
2. A student must have been in the Lakeland school system for at least one semester.
3. Scholarship Requirement
 - A student must have at least a 3.50 cumulative GPA (Class of 2023, 2024, 2025)
 - A student must have at least 3.85 cumulative GPA (Class of 2026 and on)
4. Character and Leadership Requirement
 - All faculty members will be asked to evaluate eligible students on their character and leadership by choosing a value on a scale from 1 (poor) to 4 (superior) and to submit written comments for any 1 or 4 indicated.
5. Service Requirement
 - A student must demonstrate above average service and leadership by participating in school and community clubs, sports or activities and submit proper verifying documentation by the required deadline. (See School Service Verification Form on page 21)
 - Community Service Requirement
 - A student must provide proper documentation* for at least one of the following per year since graduating 8th grade:
 1. Membership in a community service organization such as Girl Scouts, Boy Scouts, Religious Ministry, Emergency/Medical Services Volunteer or Community Recreation Team Coach

2. Participation in a minimum of 10 hours of community service** (per year) that fulfills a need in the school or community, is not in service to family members or friends, and is not part of fundraising for another club or team activity. (Summer work may apply to either the prior or the following school year.)
6. Ongoing Membership requires proper documentation* for all services and includes the following:
- Continued membership in a community service organization.
 - Participation in a set number of hours of community service either through school projects or through outside service. The number of hours of community service varies depending on type of service.
 - Attendance at all monthly meetings

***Proper Documentation** is defined as: verification through a letter on official letterhead, signed, and dated by an executive member of the organization detailing the number of hours and description of the activity. Documents that do not delineate hours served will not be considered.

****Community Service** is defined as: Service given willingly without pay to a national, state, or community organization. Examples of community service are Safety Town, Caring for Ringwood Day, Wanaque Town Picnic, Walk-A-Thons, or other fundraising activities for non-profit charitable organizations. This does NOT include activities such as fundraisers to benefit your organization/team, helping peers with homework/studying, helping a family member or acquaintance with chores or cleaning, getting experience through an internship, or volunteering for a for-profit organization/business. (Exceptions given to nursing homes, animal shelters, and hospitals.) If you are unsure about a particular organization or activity please consult the NHS adviser or your school counselor for prior approval.

NATIONAL HONOR SOCIETY SELECTION PROCESS

After receiving notification of their academic eligibility, a student must complete the following:

- Accept the email invitation to join the NHS Google Classroom and complete the NHS Student Response Survey
- Attend an informational meeting for paperwork distribution and question/answer session
- Complete and submit the School Service Verification Form with all signatures
- Complete and submit proper documentation for the NHS Community Service Requirements

A faculty council will then review all collected data, discuss written comments, and cast their vote on each student individually. The faculty council consists of five voting faculty members appointed annually by the Chief School Administrator or Designee. The chapter adviser is a non-voting sixth member of the council. Students with a majority of yes votes will receive written notification and an invitation to the Induction Ceremony. *Please note that academic eligibility does not guarantee selection and the decision of the faculty council is final.* Any student not selected will receive written notification of areas where they did not meet the criteria. Students can request further clarification by scheduling a meeting with the NHS adviser, the Assistant Superintendent of Curriculum and Instruction, or a liaison in the School Counseling Office.

NHS SCHOOL SERVICE VERIFICATION FORM

_____ has demonstrated service by (Student Name)					
Student: List Sport or Club Name or School Related Volunteer Activity	Student: Print Teacher/Adviser/ Coach name	Grade (circle all that apply) Do NOT include current year			Advisor/Coach/Teacher (Sign)
1.		9	10	11	
2.		9	10	11	
3.		9	10	11	
4.		9	10	11	
5.		9	10	11	
6.		9	10	11	
7.		9	10	11	
8.		9	10	11	

Sum the number of circles. There must be a minimum of 5.

NHS COMMUNITY SERVICE REQUIREMENTS

Documentation of the following activities is being provided by: _____.
(Student's Name)

EITHER ONE SERVICE ORGANIZATION PER YEAR OR AT LEAST 20 HOURS OVER TWO YEARS.

DO NOT INCLUDE VOLUNTEER ACTIVITIES FOR A PROFITABLE BUSINESS! Only not-for-profit organizations!

I was a member of the following community service organizations(s):

Name of Organization

Freshman Year

Sophomore Year

Junior Year (only needed for seniors)

OR

My Community Service Events:

Freshman Year/Number of Hours

Sophomore Year/Number of Hours

Junior Year/Number of Hours*

1. _____/_____

_____/_____

_____/_____

2. _____/_____

_____/_____

_____/_____

3. _____/_____

_____/_____

_____/_____

4. _____/_____

_____/_____

_____/_____

5. _____/_____

_____/_____

_____/_____

*Junior Year needed for seniors

Personal Statement:

If I could choose only one way to serve, it would be _____ because:

MANDATED STANDARDIZED ASSESSMENTS

Incoming ninth grade students take state mandated standardized testing assessments in the spring of seventh and eighth grade. Private school students will be taking an alternative assessment as per their school guidelines. Their performance on the language arts and mathematics sections of these assessments as well as their overall academic performance are key factors for course placement at LRHS. Those that fall below the minimum levels of proficiency are placed in classes which will help them develop competence in the state core content standards. These classes include Language Arts Skills and Mathematics Skills, both a part of the Basic Skills Improvement Program at LRHS.

In grades 9 & 10, students will take the assessments in English and Mathematics (Algebra 1, Geometry, & Algebra 2). In grade 11, students will take the New Jersey Graduation Portfolio Assessment in English and Mathematics. Successful completion of these assessments may be a requirement for a high school diploma based on the most recent guidance from the New Jersey Department of Education. Students who fail any section of the assessments should speak with their school counselor about whether a substitute or portfolio appeal is possible.

Students in 9th, 10th, and 11th grade can take the PSAT in October and receive a preliminary score indicating what they might expect to see on the SAT. Students may use their PSAT results to determine their potential to qualify for AP courses. Juniors may qualify for the National Merit Scholarship and should plan to take the SAT and/or the ACT for the first time late junior year.

Students in 9th, 10th, and 11th grades that perform below standard on these assessments or in class may be assigned to support classes that will help them master the content skills in order to succeed on the assessments.

RESIDENCY REQUIREMENTS

Students must reside in Ringwood, Wanaque or Haskell, with their parents or legal guardians. When applying to attend LRHS the parents/guardians must show three proofs of residency such as: house deed, rent receipt, rent lease or contract, utility bills, bank statements with address, voting records, income tax returns, driver's license, landlord sworn statement, or other valid legal evidence.

SCHEDULE CHANGE POLICY: STUDENT-PARENT INITIATED

- Changes Prior to the New School Year
 - Students should carefully consider the courses they want to take at the time they receive the course selections. This is very important because opportunities for change become more limited after the time of scheduling. Students may make any reasonable course change from the time the schedule is made, up to and including the last day of school in June. This is provided that the maximum enrollment of the desired course has not been reached and parental approval is received.
- Changes During the New School Year
 - Students may drop a subject and take a study hall if all of the conditions below are met.
 - NOTE: There are no drops after three weeks into a semester course and no drops after six weeks into a full year course.
 - There is an educationally beneficial reason.
 - Written parental approval received.
 - The course to be dropped is not required for graduation.
 - All students must carry a minimum of 40 credits.
 - There will be no student-parent initiated subject drop for a study hall after three weeks into a semester course or six weeks into a full year course. Dropping a course after this time period will result in “withdrawal failure” (W/-) on the transcript, regardless of the grade in the course at the time it is dropped.
 - Changes from one subject to another subject:
 - After September 1, a student-parent initiated request to drop one subject and take another may be granted under the following conditions:
 - There is a documented (i.e. medical) reason for the change.
 - A conference is held among the parent, counselor, teacher and/or supervisor regarding the benefits and the feasibility of the change.
 - The counselor will record the pertinent facts of the conference on the appropriate form and make a recommendation. The report is to be reviewed by the Director of School Counseling, who will then make a recommendation to the Assistant Superintendent. The Assistant Superintendent will make the final decision.
 - If a change is made all course work for the new subject must be made up by the student.
 - Changes from one subject to another will not be made if the change would result in exceeding the board regulation on class size in any given course or section of a course.
 - Student-Parent Initiated schedule changes from a higher level to a lower level to a lower level of the same course must meet the following conditions:
 - There is an educationally beneficial reason for the change.
 - No student will be allowed to drop a level if their current grade is a “C” (73) or better.
 - The student must have attended extra help prior to requesting the drop in level.
 - The current teacher, counselor, and department supervisor must review the request.
 - The student will not be permitted to drop more than one academic level.

- Student-Parent initiated schedule changes from a lower level to a higher level of the same course must meet the following conditions:
 - There is an educationally beneficial reason for the change.
 - A conference is held among the parent, counselor, teacher and/or department supervisor regarding the benefits and the feasibility of the change.
 - The supervisor will record the pertinent facts on the appropriate form and make a recommendation. The report is to be reviewed by the Director of School Counseling who will make a recommendation to the Assistant Superintendent. The Assistant Superintendent will make the final decision.
 - If a change is made the student is tasked with meeting the expectations of the course. Changes back to a lower level of that subject will not be permitted during that school year. Changes made from one subject to another will not be made if the change would result in exceeding the board regulation on class size in any given course or section of a course.
 - The change must be made prior to the first day of the course offering and will not be allowed mid-term.
 - Students will not be permitted to progress more than one level (i.e. change from College Prep-Advanced to Honors).
- Nothing in the above is to prevent the Assistant Superintendent or Director of School Counseling from making an exception when, in their professional judgement, there is clear evidence and a valid reason for a change.

AFFIRMATIVE ACTION/EQUAL OPPORTUNITY

The Lakeland Regional High School District affirms its responsibility to ensure equal opportunity for all students in the high school. All courses are open to students of all genders and students receive guidance and encouragement to enroll in courses based on their aptitudes and interests.

UNIVERSITY PROGRAM AT LAKELAND (UPAL)

The UPAL Programs at LRHS are a specially designed set of curricula for highly motivated students that seek academic challenges, a specific focus of study, and a dedicated faculty that engage students with not only enlightenment, but also real-world relevance. Only 8th grade students may apply for admission to the program. These students must have a minimum “B” or higher average in all of their 8th grade courses. Students must submit an application for consideration to be admitted into the UPAL program. The application process includes a written essay from the student, academic transcript, standardized test score results and parental endorsement forms. Students may apply to up to two of the individual tracks, but may participate in only one. Questions regarding the program should be directed to Dr. Dave Nidosik at 973-835-1900 x130.

- UPAL PROGRAMS
 - Biomedical & Research Science
 - Computer Languages Program
 - Engineering & Design Technology
 - Finance & Business Studies
 - Exercise Physiology & Physical Therapy
 - Visual & Graphic Arts

SENIOR OPTIONS

Senior Internship – During senior year, students have the ability to leave school for up to the last two blocks of the day, on each day (A/B) for an unpaid senior internship. Seniors have the ability to intern in medical facilities, law offices, businesses, schools and more. Students receive up to 5 credits, depending on the number of hours they are involved in their internship experience. Benefits of a senior internship include:

- Practical experience for beginners in a profession
- Accumulate skills for a resume
- Gain practical industry knowledge not found in a classroom setting
- Begin networking in a profession
- Enhance knowledge in areas of interest
- Improve chances of being accepted to a selective college.

Prerequisites: Must be a senior in “good standing” to participate.

- **Grade 12**

5 credits

School-To-Work - During senior year, students have the ability to leave school for up to the last two blocks of the day, on each day (A/B) for a paid work opportunity. Students will spend half of the school day on their course work (along with a required career readiness course), and the other half of the day at their job. This course will allow our students to explore potential careers, combined with life planning concepts, while building work readiness skills. Through practical application coupled with the career readiness component of this course, students begin to develop skills necessary to be successful in the work environment. *Prerequisites: Must be a senior in “good standing” to participate.*

- **Grade 12**

5 credits

Senior Service – This program offers seniors an opportunity to conclude their senior high school experience providing volunteer service to the school and/or the community. Students can volunteer their time within the school, local borough or public schools, or any non-profit community organization. *Prerequisites: Must be a senior in “good standing” to participate.*

- **Grade 12**

5 credits

ART DEPARTMENT

An education in the arts, an essential component of 21st century learning, fosters achievement of personal, intellectual, social, economic and human growth. The visual arts help to develop students who are creative and innovative and who possess varied and powerful ways of communicating ideas, thoughts and feelings. Knowledge of the arts enriches understanding of the human experience across cultures and histories, provides valuable tools to enhance learning across all disciplines and empowers people to create, reshape, and fully participate in personal and community environments, enhancing the quality of life for all.

The Art Department seeks to educate all LRHS students, whether they are artistically inclined, career-oriented, or casually interested art students. The visual arts curriculum provides a wide variety of offerings to meet a range of interests and abilities. In addition, art students are encouraged to participate in various art shows and competitions held throughout the year. Extra-curricular visual arts experiences are open to all LRHS students.

The LRHS curriculum addresses New Jersey Student Learning Standards in Visual and Media Arts. Hands-on problem solving experiences develop the creative abilities and technical skills necessary for life and work in the 21st century. Studio based methods foster higher level critical thinking and production skills. The study of the visual arts also prepares them to participate in a culturally diverse society and to evaluate the human condition.

All art students will develop a greater understanding and appreciation of the impact that art has on their lives. A student desiring to pursue a career in art will be provided with the necessary experiences. The Art Department offers advanced classes, portfolio development, and independent studies to assist juniors and seniors interested in pursuing careers in art

*Art 1 is a prerequisite for all art courses excluding Art History AP, Ceramics and Sculpture, and other upper level art classes. Students pursuing an Art curriculum should select Art 1 as their initial course.

Art 1- This course is truly for the beginner. This hands-on course introduces the students to a variety of tools, materials, and methods used in creative artwork. The elements of design are taught as students explore contemporary and traditional artists and how their work has impacted our lives and culture. Cultural perspectives will be explored and critiqued through lectures, exciting project work, multimedia experiences and field trips.

- **Grades 9-12**

5 credits

Ceramics and Sculpture 1 – Technique, form and content provide the basis for an introduction to ceramics and sculpture. Students of varying ability are encouraged to explore their own style. This course begins with clay hand building and wheel throwing techniques and moves on to clay modeling, casting, paper, plaster and wood sculpting. Students will learn the principles that go into sculpting and modeling both functional and decorative objects based upon art history. A mature approach to materials and tools is required for this course.

- **Grades 9-12**

5 credits

Ceramics 2 – Ceramics 2 is a yearlong class designed to further enhance the student’s technical and creative skills by focusing more on the application and interpretation of the elements and principles of design through three dimensional projects. The students will continue to explore various hand building techniques with clay as well as the technical, historical, and terminology associated with 3-dimensional design that they learned in Ceramics 1. Students will focus on the aesthetic, cultural and contemporary concerns of clay workers and sculptors as they develop their own personal and artistic ways of working. *Prerequisite: “C” or better in Ceramics & Sculpture 1*

- **Grades 10-12**

5 credits

Fashion Illustration and Design 1– This introductory art course will teach students basic drawing techniques unique to the fashion industry. In addition students will develop the ability to communicate design ideas in a fashion sketch through garment details, silhouettes, and basic color theory. Students will study styles and trends, create style boards, and produce a collection of fashion designs. The history of fashion and its connection to current designers as well as the real life application of fashion as a career will be explored. Prior drawing experience is not necessary.

- **Grades 9-12**

5 credits

Fashion Illustration and Design 2 – Students in Fashion Illustration 2 will build off the foundation they acquired in Fashion Illustration 1 to create more complex illustrations, advancing their skills in drawing technical flats and advanced rendering. This course will focus on computer-aided design in greater depth than Fashion Illustration 1. Students will hone their individual styles or explore the most current fashion trends. The work of famous fashion Designers and Illustrators will also be examined. In addition, students will discuss career paths within the fashion industry. *Prerequisite: “C” or better in Fashion Illustration and Design 1*

- **Grades 10-12**

5 credits

Art 2 – This course presents a more involved approach for the advancing art student. Students will continue to build on the elements of design and explore the works of artists from Art 1. Students will explore the principles of design and further develop their own skills and ideas with teacher support. *Prerequisite: “C” or better in Art 1*

- **Grades 10-12**

5 credits

Drawing and Painting – This course is designed for students who are proficient in drawing and painting and are seeking to advance their skills. While producing sketches, studies, and finished drawings, students develop their skills through instruction in various approaches to drawing human figures, still life, portraits, and landscapes. Students are encouraged to express their own creativity through painting materials, methods, and techniques in watercolor, acrylic and mixed media. The completion of weekly sketchbook assignments is required for this course. *Prerequisite: “C” or better in Art 1 and Art 2*

- **Grades 11-12**

5 credits

Graphic Design 1 – This course is designed for students interested in a future career in the graphic design field. Creativity and technical know-how come together in this class. A step by step process of problem solving will come into play when challenged to design logos, packaging, layouts, letterheads, and various other graphic design projects. Students will use both traditional design tools as well as computers. The computer programs explored in this class include Adobe Photoshop and Adobe Illustrator. Students will gain knowledge of the history of design and the latest technology in the field. Artistic ability and drawing skills are required for this class.

- **Grades 10-12**

5 credits

Graphic Design 2 – Graphic Design 2 is a yearlong class designed to further enhance the student’s technical and creative skills by focusing specifically on the practical/real world applications of the industry software introduced in Graphic Design 1. This advanced class will provide students with the knowledge, skills, and portfolio needed to pursue advanced training as a designer. This class involves the use of the industry software combined with creativity, design, and problem solving skills to create visual communication. Emphasis is on the development of string concepts that effectively communicate integrated type and images. *Prerequisite: “C” or better in Graphic Design 1*

- **Grades 11-12**

5 credits

Studio Art – With emphasis on visual problem solving, creative thinking, and cooperative projects, Studio Art offers the advanced art student an opportunity to incorporate a variety of stimulating and meaningful new studio experiences into their artwork. This course encourages a higher level of thinking and increased technical proficiency. Students will explore subjects such as self, community, and culture. This course concentrates on portfolio preparation and careers in the art world. *Prerequisites: “C” or better in Art 1 and a “C” or better in Art 2 or Drawing and Painting*

- **Grades 11-12**

5 credits

Digital Photography 1 – Learn to see with a camera as a means for mastering the elements of photographic design. This class introduces students to the technical aspects of digital imaging, including software and outputting images. Genres include nature, portrait, and action photography. Students will learn the guidelines for composing an image while evaluating photography as an artistic form of expression. The class will also study the history of photography and explore career paths. *Prerequisite: Successful completion of Art 1*

- **Grades 10-12**

5 credits

Digital Photography 2 – This course presents an in depth approach for the advanced art student. Students will continue to build on the visual elements of photography, including the art of composition and works of photographers introduced on Photography 1. This course will present advanced topics as students master new genres while creating portfolios. *Prerequisite: Successful completion of Photography 1*

- **Grades 11-12**

5 credits

Art History Advanced Placement (AP) – Art History AP is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history. Students will gain an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students will examine and critically analyze major forms of artistic expression. Visual analysis is the fundamental tool of the art historian. Art history also emphasizes the understanding of works in context, considering such issues as patronage, gender and the functions and effects on works of art. *Prerequisites: “B” or better in CP-ADV or Honors English 1 and English 2, World History and US History 1.*

- **Grades 11-12**

5 credits

BUSINESS DEPARTMENT

The Business education curriculum is designed to provide all students with real-world business, economic, and digital literacies; to prepare business oriented students to explore a variety of business majors/careers; to prepare students to have strong communication skills; and to help all students better understand our economic system.

We live in a digital age of rapid expansion in technology, information exchange, and communications. The changes that are taking place in our society have increased the demand for internationally and electronically competitive workers and for an educational system designed to meet that demand.

Students are expected to learn to develop, analyze, summarize, organize, synthesize, and evaluate information. Evolving Technology demands that our graduates be versatile in the business and academic world. An essential component of business education is the contribution it makes to an individual's personal, civic, and economic well-being. The business education curriculum and UPAL Program provide a strong foundation for those competencies in a global environment. The curriculum helps students master skills for a competitive business world, and provides a foundation of educational research skills that can be utilized in high school, college, business, and everyday living.

Introduction to Business – Introduction to Business exposes students to the world of business and helps prepare them for their economic role of consumer, worker, and citizen. This course will serve as a foundation for understanding the private enterprise system, assisting with consumer decision making, preparing for future employment, and helping them to effectively perform their responsibilities as citizens. Students will complete projects that reflect the concepts introduced in the course. All participating students are eligible to be a member of the Distributive Education Clubs of America (DECA).

- **Grades 9-12**

5 credits

Business Management – This course covers essential business management and organizational knowledge, and will provide students with the skills to help students understand management functions and methodologies, and achieve the ability to associate the meaning of specific industry terminology with important business management ideas, processes, and techniques. Topics covered include the development of business concepts, business description, financing, marketing, staffing. Students will be required to apply knowledge, general concepts, and principles to specific problems plaguing both national and international business enterprises in the real world.

- **Grades 10-12**

5 credits

Keyboarding and Computer Essentials – This course will provide proficiency in various software programs with an emphasis on information technology applications. Included will be touch-keying skills, composing and formatting various types of documents and advanced skills in Microsoft Office 2010. The goal is to provide workplace readiness skills for students in the use of the computer as an effective tool in the accessing, analyzing, organizing, and retrieving information quickly and efficiently through real life problem solving skills. Additional topics will include internet safety, online banking, online bill pay, email protocol, letter composition, internet search tips, ad MS Excel, Google Suite, and personal and professional communications.

- **Grades 9-12**

5 credits

Accounting 1 – This course provides a real world approach to learn the fundamentals of accounting using both manual and computerized systems. Objectives include learning the accounting equation and T-accounts, journaling transactions in both general ledger and special journals, posting transactions in general and subsidiary ledgers, understanding worksheets, completing financial statements, accounting for payroll, reconciling bank statements, and accounting for merchandise. Students will apply these concepts to work through the accounting cycle for a service based business established as proprietorship and a merchandising business set up as a corporation. Students will complete a number of mini practice sets and a simulation project.

- **Grades 10-12**

5 credits

Accounting 2 – This advanced course builds upon the concepts learned in Accounting 1. It includes accounting for special procedures, plant assets and depreciation, uncollectible accounts, merchandise inventories, notes payable, notes receivable, and partnership accounting. Students will complete mini practice sets and a simulation project. QuickBooks will be used to explore more complex accounting topics. This course will be offered in alternate, even numbered years. *Prerequisite: "C" or better in Accounting 1*

- **Grades 11-12**

5 credits

Marketing – Marketing is a tool that has allowed the US economy to be one of the most successful in the world. Sports and entertainment are important parts of our modern economy generating millions of dollars in sales and profits. Take step by step journey applying marketing concepts to the operation of a sports franchise and entertainment event planning. Create a franchise, research the ideal location, create season ticket pricing plans, and market your franchise to the public. Explore the world of entertainment marketing and the winning strategies used by entertainment companies.

- **Grades 10-12**

5 credits

Multimedia Presentations 1 – Multimedia Presentations will provide an integration of text, sound, graphics, animations, and moving video to create impressive images and presentations. Through extensive exploration in multimedia applications, students will learn to make unique projects. A full cycle in the preparation of media will be covered from the editing of a single image, changing its colors or removing / adding components to it, to combining multiple images into something new and even animating them all to the pace of music and sound. Students will work with a variety of multimedia programs including Adobe Photoshop, Adobe Premiere, Google Workspace, and additional video and sound capture programs.

- **Grades 9-12**

5 credits

Multimedia Presentations 2 – This course will provide students with the advanced skills and knowledge essential to alter images, create graphic animations and videos. Students will expand their knowledge of the following software packages: Adobe Photoshop, Animate and Premiere, the Google Workspace, PowerPoint and various websites. Students will learn advanced image editing techniques and how to create streaming videos and animations. The completed class projects will incorporate advanced skills and techniques learned in the various software packages. *Prerequisite: "C" or better in Multimedia Presentations 1*

- **Grades 10-12**

5 credits

Personal Financial Literacy – This course addresses the need for 21st century citizens who are financially literate and who understand the importance of smart money management. Personal Financial Literacy includes the application of knowledge, skills, and ethical values in consumer and financial decisions. Topics include Income and Careers; Money Management; Credit and Debt Management; Planning, Saving, and Investing; Becoming a Critical Consumer; Citizen Financial Responsibility; Risk Management; and Insurance. The class will use real-life situations including balancing a checkbook, calculating take home pay, tracking investments, creating a budget, preventing fraud and identity theft, and purchasing insurance. *Note: this course meets the NJDOE requirement for a 2.5 credit course addressing Standard 9.1: Financial, Economic Business, and Entrepreneurial Business Literacy.*

- **Grades 11-12**

2.5 credits

Principles of Economics: ECON 1403 (Project Acceleration) – Financial decision making and an understanding of economics are a critical part of all of our lives. This course will provide a solid background and structure for those interested in American and world economics and financial concepts. The role of history and the effect of current events on our economy will be discussed and analyzed. Units of instruction include microeconomics, macroeconomics, monetary policy, fiscal policy, employment, income, spending, money and banking, saving and investing, insurance, and credit. Units include money management, financial planning, income tax, stocks and bonds, mutual funds, business organizations, government spending, and Federal Reserve banking functions. College credit may be earned – see Project Acceleration.

- **Grades 11-12**

5 credits

Business Practice Firm – The Business Practice Firm (BPF) is a simulated business that mirrors the real world as a Start-Up Business through Virtual Enterprise International. BPF is a simulation company created by the students which functions as a “real” start-up business. The firm conducts all operations necessary to run a successful business including finance/accounting, digital media design, marketing and sales, and human resources. Students apply, interview, and engage in departmental activities as required by their job description. Students also engage in simulated business transaction purchases with other firms via company-created websites. The class is hands-on with students taking responsibility for their own learning, and managing their own finances, and budgets. Prerequisite: Successful completion of Introduction to Business. *Prerequisite: Successful completion of Introduction to Business. Recommendation: “C or better” in one of the following courses: Accounting 1/2, Finance/Economics, Marketing, or Multimedia 1/2.*

- **Grades 11-12**

5 credits

Computer Applications – Students will be introduced to the electronic and online skills necessary to address their roles and digital citizens driving the market of technology development. Students will become proficient in word processing, spreadsheet, database, presentation software, desktop publishing, web page applications, social media, digital responsibilities, and internet safety. Students will be prepared with technical knowledge, digital literacy, and software proficiency required for college and career applications.

- **Grade 11**

2.5 credits

Print Media Production 1-2 – These courses enable students to participate in the process of designing and producing a print media project – the school yearbook. The class will determine the theme, structure, and flow of the yearbook. Students will be responsible for continuity edits and layout. Additional topics will cover fundraising and financing of the yearbook production and inventory management for ordering and distributing the yearbooks. Students will gain a multifaceted perspective of yearbook production.

- **Grades 9-12**

5 credits

ENTR 101: Entrepreneurship Experience – The mission of University of Delaware’s partner program at Lakeland is to convert classrooms into real-world entrepreneurship labs and deliver transformative learning experiences to students. EntreX curriculum builds from a broad conception of entrepreneurship as pursuing the creation, delivery and capture of value from new ideas. This concept highlights the relevance and usefulness of entrepreneurial thinking and action in any organizational context, including startups, existing companies, social ventures and nonprofit organizations. The EntreX curriculum emphasizes learning by doing and its impact - unleashing students’ full creative potential and empowering them to make a world they design. UDEL EntreX curriculum is a dual enrollment course offering 3 college credits to any student achieving a "C" or better. *Prerequisite: Successful completion of Introduction to Business, Business Management, Marketing, or Accounting 1 with a "C" or better*

- **Grades 11-12**

5 credits

ENGLISH DEPARTMENT

The English Department provides all students with an effective program designed to strengthen their comprehension and appreciation of fiction and nonfiction, while developing effective written, speaking, listening, and digital communication skills and improving reading, critical thinking, research, and study skills that will prepare them for success in college, career, and life. The English Department offers a comprehensive program that develops these skills through the study of poetry, short stories, dramas, novels, and informational texts. Writing instruction focuses on the analytical essay, grammar, usage, mechanics, research skills, and creative writing. Emphasis is placed on nurturing the appreciation of fiction and nonfiction as a reflection of the human experience and as a leisure time activity while concurrently developing critical thinking and skill-based learning that lead to a better understanding of the world. The Department is guided by the New Jersey Student Learning Standards for NJ Language Arts, which requires curricula that reflect cultural differences, address technological advances in communication, and incorporate critical thinking skills. Many electives are offered in conjunction with required courses. Students needing Language Arts remediation will be scheduled for Language Arts Skills Literacy classes in addition to their regular English classes.

IMPORTANT NOTE – Required English classes are offered on several different levels of academic rigor. Students are enrolled in the course that best meets their needs and abilities as determined by demonstrated skills and abilities, teacher/counselor recommendations, standardized test scores, with supervisor approval. The academic levels are as follows:

FOUNDATIONS LEVEL - This modified level program is for those students who have not yet demonstrated grade level language arts skills and abilities. In these modified level courses students use literature to develop their proficiencies in language arts. Emphasis is placed on the reinforcement of language arts skills most frequently measured on standardized tests. These skills include reading comprehension, expository writing, and critical thinking. Classroom activities are designed to improve speaking, listening, note taking, and other study skills.

COLLEGE PREP LEVEL – These college preparatory level courses are appropriate for college bound students who meet grade level expectations. These courses integrate the study of literature with instruction in language arts, research, and critical thinking skills needed for academic success. Students are also prepared to perform successfully on standardized tests.

COLLEGE PREP – ADVANCED LEVEL – These college preparatory level classes are designed to provide a more rigorous workload for college bound students. This level is appropriate for students who have a greater mastery of reading, writing, and critical thinking skills, along with a higher degree of motivation in the study of literature. The courses include more demanding reading and writing assignments and examine topics in greater depth than the College Prep level classes. Students are prepared to perform successfully on standardized tests.

HONORS/ADVANCED PLACEMENT LEVEL – HONORS/ADVANCED PLACEMENT LEVEL

These premium level courses are limited to the most capable and conscientious students who are intellectually curious and possess the highest levels of reading, writing, and communication skills, which include a strong comfort level with speaking in class. Students possess a strong growth mindset and take responsibility for their own learning by fulfilling their obligations and performing to their potential. The four

year program of study prepares students to compose tightly focused, insightful, and coherent essays required on the English Literature Advanced Placement Exam and in college level work. Summer reading is a requirement and will be assessed in the first marking period. Prerequisite: “A” in College Prep-Advanced English, or “B” or better in Honors English or a demonstrated mastery of appropriate language arts skills. A teacher recommendation is required for 8th graders.

“A” in College Prep-Advanced English, or “B” or better in Honors English or a demonstrated mastery of appropriate language arts skills.

REQUIRED COURSES

ENGLISH 1 (FOUNDATIONS, COLLEGE PREP, COLLEGE PREP-ADVANCED, HONORS) - The curriculum in English 1 provides a firm foundation in the language arts. Selections from various literary genres are used as the basis for units that address the New Jersey Student Learning Standards in English Language Arts. These core curriculum standards are developed through a thorough review of those language art skills including grammar, vocabulary, listening, reading, and writing. Other units of study include an overview of informational literacy skills and an introduction to public speaking.

5-7.5 credits

ENGLISH 2 (FOUNDATIONS, COLLEGE PREP, COLLEGE PREP-ADVANCED, HONORS) – The curriculum in English 2 focuses on the appreciation of American Literature as the basis for addressing the New Jersey Student Learning Standards in English Language Arts. The critical analysis of literature is a primary focus of writing and research projects. Close reading, analytical writing, and critical thinking skills are further developed through analysis of informational texts. Students will learn how to integrate primary and secondary sources in MLA format. Curricular units include grammar, vocabulary, speech, writing, and critical reading.

5-7.5 credits

ENGLISH 3 (FOUNDATIONS, COLLEGE PREP, COLLEGE PREP-ADVANCED, HONORS) – The curriculum in English 3 offers a study of British Literature as the foundation for the reinforcement and refinement of the New Jersey Student Learning Standards in English Language Arts. Literature units focus on critical reading and thinking skills and offer a variety of opportunities for writing and speaking. Projects are designed to promote student creativity and technology based research. Students will continue to develop their ability to synthesize primary and secondary sources in MLA format. Special units of study will prepare students for the state mandated standardized testing, PSAT, and SAT.

5-7.5 credits

ENGLISH 4 (FOUNDATIONS, COLLEGE PREP, COLLEGE PREP-ADVANCED, HONORS) – The New Jersey Student Learning Standards in English Language Arts continue to be addressed in the English 4 curriculum. The English 4 curriculum focuses on modern literature as a reflection of multicultural experience and on rhetorical patterns in nonfiction essays. Critical thinking, research, writing, and technology skills are reinforced through literature based assignments and expository writing, as well as practical applications related to college and/or work. Assessments are designed to promote the problem solving and communication skills necessary for future demands of college and career.

5-7.5 credits

SKILLS DEVELOPMENT PROGRAM

Students who have been identified as needing concentrated work in basic skills may be assigned to the course listed below. The assessment process for enrollment in these classes relies upon student performance on standardized tests. Skills classes offer individual and small group instruction and are scheduled in addition to the student's regular English class.

LANGUAGE ARTS SKILLS - Students are enrolled in this course based on standardized test scores. Students who have not achieved minimum proficiency levels in either reading or writing are enrolled in this course. These classes provide small group instruction in the skills needed for college and career readiness. Emphasis is placed on critical reading, persuasive writing, expository writing, and test taking strategies.

- **Grades 9-12**

2.5-5 credits

ENGLISH ELECTIVES

The English Department offers a variety of electives that are open to all students, but these electives are not permitted to replace a required English class. Some of these electives may satisfy the visual and performing arts, multicultural, or computer literacy requirements.

JOURNALISM I – Journalism 1 allows students to develop creative talents in the area of journalistic writing through the school's electronic publication, the Lancer Ledger. Students learn about and how to employ the following topics: news writing and news gathering, editing, proofreading, interviewing and communication skills, photography and copyright/creative common usage, and media literacy and ethics. Students will develop skills in the following journalistic writing styles: editorial, feature, news, and sports. Basic composition skills are required. *Prerequisites: "B" or better in Standard Level English courses, or "C" or better in Premium Level English courses.*

- **Grades 9-12**

5 credits

JOURNALISM II-IV – Journalism 2-4 students continue the practical application of journalism skills as they serve as writers and editors for the Lancer Ledger. Students will take leadership roles in running the paper and leading their peers in Journalism 1. Advanced topics in news writing and gathering, editing, and communication are taught and explored. *Prerequisite: Successful completion of Journalism 1. Prerequisite: Successful completion of Journalism 1.*

- **Grades 10-12**

5 credits

CREATIVE WRITING I – This course is designed for those students who are interested in language as a means of creative expression. Through the study of literary techniques and models, students will explore various forms of prose and poetry. In this writing workshop students will be encouraged to develop an authentic voice as they experiment with a variety of narrative, dramatic, and poetic forms. The only prerequisite is a desire to write.

- **Grades 9-12**

5 credits

CREATIVE WRITING II - In this advanced course students will explore more sophisticated and varied forms of creative written expression. Students will increase their technical proficiency as writers through instruction on tone, style, and technique. Additionally students will analyze and critique literary models from contemporary writers. The course will have students share their work and collaborate using online resources. *Prerequisite: "C" or better in Creative Writing*

- **Grades 10-12**

5 credits

THEATRE ARTS I – This course will introduce students to the performing art of theatre with a focus on different aspects of the actor’s craft. Topics addressed will include: voice and movement, script analysis, improvisation, development of acting technique, and how to approach dramatic texts from a performance standpoint. The course will focus on the development of acting skills through scene study and individual monologue preparation. This course will help students develop the self-confidence and skills needed for all forms of oral communication. No prior acting experience required.

- **Grades 9-12**

5 credits

THEATRE ARTS II – This course will build upon many of the skills developed in Theatre Arts I. Students will continue to receive an overview of all the aspects of the theatre world; including theatre history, technical theatre (Lights, Sound, Costumes, Props, Sets, Makeup), playwriting, improvisation, and acting. The craft of acting incorporates techniques of relaxation, concentration, sense memory, emotional recall, beats and vocal variety. Students will cover classics as well as the playwrights of today through the use of monologues, scene work, lectures, and exercises. Students will also explore theatre games and improvisation. *Prerequisite: Successful completion of Theatre Arts 1*

- **Grades 10-12**

5 credits

VERBAL SAT SKILLS AND STRATEGIES – This course is intended for college bound students wishing to further refine and develop their writing, critical reading, and vocabulary skills. Emphasis is on the preparation for the Critical Reading and Writing portion of the SAT through means of vocabulary development, instruction in test taking strategies, and drill and practice. Students enrolling in this course must also enroll in the MATH SAT PREP course offered by the Math Department.

- **Grades 11-12**

2.5 credits

GREAT WOMEN WRITERS – This English elective course will encourage the discussions, thoughtful analysis and collaborative exploration of important literary works by women writers. Through a thematic study of literature, this course will examine women authors, their characters, themes, styles, and impacts on culture and society. Students will develop the ability to think critically about the relationships between culture, ethnicity, class, gender, religion, and literature. While Great Women Writers will primarily focus on the novel, students will also explore letters, poems, short stories and other genres. Open to academic level students who have passed English 1 college prep advanced or honors. *Prerequisite: Successful completion or concurrent enrollment in English 1 College Prep-Advanced or Honors*

- **Grades 9-12**

5 credits

GRAPHIC NOVELS: READING AND TELLING STORIES THROUGH IMAGES – The graphic novel is defined as “sequential pictorial narratives which use text in a complementary manner, in which these creative elements engage continuously one with the other to create plot, character, setting, meaning, and theme”. In addition to developing an understanding of the elements of traditional text based forms of literature such as point-of-view, narrative, characterization, conflict, setting, tone, and theme, this course will teach students how to blend additional complex visual components, and how to reconcile these two types of expression.

- **Grades 9-12**

5 credits

SCIENCE FICTION – LITERATURE AND FILM – Students in this course will study novels, short stories, speculative nonfiction, and films that express the themes and content of science fiction. Through a survey of science fiction and film, students will explore how authors and filmmakers use the themes, imagery, characters, and style of science fiction to speculate about humanity’s relationship to the universe, technology, and future in order to comment on trends in contemporary society. At stake are the answers to significant cultural, economic, and ethical problems that are characteristic of our 21st century society.

- **Grades 9-12**

5 credits

CONSUMER SCIENCE DEPARTMENT

The primary mission of Consumer Science education is to improve the quality of life by encouraging creative and critical thinking, as well as developing practical knowledge and positive character traits. By empowering students with the life skills that enhance their health, well-being, career and educational success, the Consumer Science Department fosters student mastery. Courses also focus on building interdisciplinary competency in written and oral communication, technology and computer research, as well as hands-on application of mathematical, scientific, and historical principles.

FOODS & NUTRITION – This course will provide the students with the skills necessary to prepare healthy, nutritious meals and snacks while maintaining kitchen safety and sanitation standards. Basic cooking techniques, food science principles and nutrition are emphasized. Creativity, healthy choices and personal nutrition are encouraged in hands-on lab activities. Home/family cooking, food history, and career awareness are also explored.

- **Grades 9-12**

5 credits

WORLD CUISINE & CULTURE – This advanced level course will provide students with the opportunity to advance their food preparation skills with more complex recipes and techniques while experiencing international customs and flavors of several global communities. French, Spanish, Italian, Chinese, and German are just a few of the cultures explored. Multicultural awareness is enriched by participation in various ethnic food celebrations. Monthly projects and events involve internet research, budgeting, recipe modification, management principles, and presentations along with creative and traditional food preparation. This course provides essential skills for students considering careers in culinary arts, food service, or food science.

Prerequisites: "C" or better in Foods & Nutrition

- **Grades 10-12**

5 credits

ADVANCED COOKING & BAKING – This course features advanced cooking and baking techniques applicable to higher education and workplace apprenticeship. Students will continue to develop their fundamental cooking skills cultured in Foods and World Cuisine courses. Students will learn enhanced skills such as preparation of base sauces, sauce enhancements, cuts of meat, processing and preparing meats and poultry. Students will also create decorative baked and pastry products comparable to private and commercial markets. This course includes core standards for career awareness, employability skills, and knowledge necessary for success in a culinary workplace. *Prerequisite: "B" or better in World Cuisine and Foods*

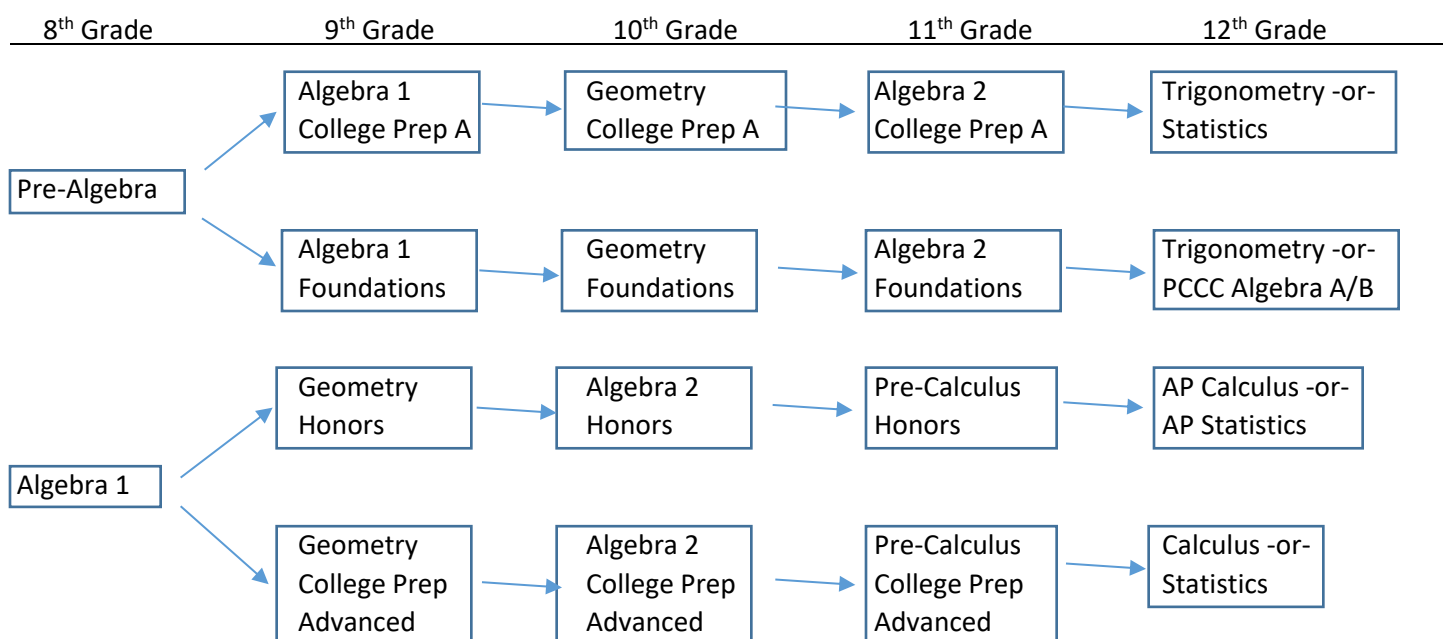
- **Grades 11-12**

5 credits

MATHEMATICS DEPARTMENT

The goal of the program at LRHS echoes the vision of the New Jersey Student Learning Standards— best preparing students for college and career. These standards define what students should understand and be able to do in their study of mathematics. It aims to enable all students to move through the twenty-first century with the mathematical skills that are needed to be successful in their careers and daily lives. Problem solving and active learning are incorporated in all courses. All students receive preparation for success on the PSAT, and SAT. State requirements mandate 15 credits in math for high school graduation. These credits must include: Algebra 1 content, Geometry content, and a third year of math that builds upon Algebra 1 and Geometry and prepares students for college and 21st century careers.

The LRHS curriculum offers a wide range of achievement levels to meet the current needs and future goals of our students. Math electives are also available. (See following course descriptions.) School counselors and Math teachers assist students with proper placement recommendations based on course and testing history and future career/college plans. Students are encouraged to enroll in the most challenging course in which they can be successful. All students enrolled in mathematics courses at LRHS are required to use a Texas Instrument **TI-84Plus** or higher graphing calculator.



Additional Electives (Prerequisites in course description)

- AP Computer Science A
- AP Computer Science Principles
- Scratch
- Computer Science C ++
- Java
- Math SAT Prep
- Math Applications

ALGEBRA 1 FOUNDATIONS – This course is intended for students who need the strongest base in mathematics as they begin high school. The course focuses on traditional Algebra 1 concepts, but at a slower pace. The course meets every day which allows for continuous review. An emphasis is placed on drills and testing using Google forms and STAR standardized testing. In the preliminary unit, concentration is placed developing stronger math fundamentals before progressing into traditional algebra instruction. The following topics are covered: operations with integers; real number and variables; solving equations; inequalities and systems of equations; operations on functions; developing and using formulas; effective problem solving and data analysis; graphing on the number line and the Cartesian plane; recognizing functions as opposed to relations; and the use of exponents and radicals in algebraic equations.

- **Grade 9**

7.5 credits

ALGEBRA 1 COLLEGE PREP – This course is intended for students who need a stronger base in mathematics as they begin high school. The course focuses on traditional Algebra 1 concepts but at a slower pace. In the preliminary unit the concentration is on developing stronger mathematical fundamentals before progressing into the traditional algebra course of study. The following topics will be covered: operations with integers; real number and variables; solving equations; inequalities and systems of equations; operations on functions; developing and using formulas; effective problem solving and data analysis; graphing on the number line and the Cartesian plane; recognizing functions as opposed to relations; and the use of exponents and radicals in algebraic equations.

- **Grade 9**

5 credits

ALGEBRA 1 COLLEGE PREP-ADVANCED – This course introduces the algebraic structure of the real number system. It applies the basic properties of this algebraic structure to the study of equations. Inequalities and polynomials. This course covers the material listed in the College Prep and Foundations class, but at a faster pace and deeper level. *Prerequisite: "C" or better in Pre-Algebra and Proficient in state testing in Mathematics*

- **Grade 9**

5 credits

GEOMETRY FOUNDATIONS – This course is intended for students who need the strongest base in mathematics as they continue high school. The course focuses on traditional Geometry concepts, but at a slower pace. The course meets every day which allows for continuous review. Arithmetic and algebraic skills are further developed by the application of geometric principles. While proof is not emphasized, different methods are used to demonstrate theorems. A strong focus will be given to the concepts of congruency and similarity in geometric figures. Volume and surface area of three dimensional figures will also be studied. *Prerequisite: Successful completion of Algebra 1 Foundations*

- **Grade 9**

7.5 credits

GEOMETRY COLLEGE PREP – This course offers an introduction to the properties of lines, line segments, angles, triangles, quadrilaterals, polygons, circles and angle relationships, as well as parallel and perpendicular lines. Arithmetic and algebraic skills are further developed by the application of geometric principles. While proof is not emphasized, different methods are used to demonstrate theorems. A strong focus will be given to the concepts of congruency and similarity in geometric figures. Volume and surface area of three dimensional figures will also be studied. *Prerequisite: Successful completion of Algebra 1 College Prep*

- **Grade 9-10**

5 credits

GEOMETRY COLLEGE PREP-ADVANCED – This course offers an introduction to the elements, axioms, postulates, theorems, and properties of lines, line segments, angles, triangles, quadrilaterals, polygons, circle and angle relationships, as well as parallel and perpendicular lines. A strong focus will be given to the concepts of congruency and similarity in geometric figures. Students will also cover various methods of deductive proofs. *Prerequisite: “C” or better in Algebra 1 and Proficient in state testing in Mathematics*

- **Grade 9-10**

5 credits

GEOMETRY HONORS – This course introduces the elements of deductive proof, angle relationships, and parallel and perpendicular line properties. The concepts of polygons, including triangles and quadrilaterals, and finding the area and congruent and similar polygons will be examined. Volume and surface area of three dimensional figures will also be studied. Students will study the properties of circles, and an introduction to right triangle trigonometry will be presented. *Prerequisite: “A” average in Algebra 1 and Advanced Proficient in state testing in Mathematics with teacher recommendation.*

- **Grade 9**

5 credits

ALGEBRA 2 FOUNDATIONS – This course reviews the basic structure of Algebra and the real number system. The course meets every day which allows for continuous review. Emphasis is on relations and functions and their graphs, including inequalities, linear equations, and quadratic functions. Students will study matrix operations and solving linear equations, quadratic equations, absolute value equations, and systems of equations. This course extends the number system to include complex numbers. *Prerequisite: Successful completion of Geometry Foundations*

- **Grades 11-12**

7.5 credits

ALGEBRA 2 COLLEGE PREP – This course reviews the basic structure of Algebra and the real number system. Emphasis is on relations and functions and their graphs, including inequalities, linear equations, and quadratic functions. Students will study matrix operations and solving linear equations, quadratic equations, absolute value equations, and systems of equations. This course extends the number system to include complex numbers. *Prerequisite: Successful completion of Geometry College Prep*

- **Grades 10-11**

5 credits

ALGEBRA 2 COLLEGE PREP-ADVANCED – This course extends the real number system presented in Algebra 1. It extends the study of relations and functions to include the composition of functions, piecewise, absolute value, inverse, and exponential functions. It studies the graphs of these functions, solutions of polynomial equations, matrices, and an in depth study of quadratic functions including quadratic formula and extends the number system to include complex numbers. *Prerequisite: “C” or better in Geometry*

- **Grades 10-11**

5 credits

ALGEBRA 2 HONORS – This course continues studying the structure of the real number system. It expands the study of relations and functions to include the composition of functions, piecewise, absolute value, inverse, exponential, logarithmic, and polynomial functions. It studies the graphs of these functions, solutions of polynomial equations, matrices, and extends the number system to include complex numbers. *Prerequisite: “B” or better in Geometry Honors or “A” in Geometry CP-Advanced with teacher recommendation*

- **Grades 10-11**

5 credits

TRIGONOMETRY WITH ALGEBRAIC APPLICATIONS – Trigonometry will focus on right triangle trigonometric ratios, angles, graphing trigonometric functions, the law of sines and cosines, inverse functions and relations (both trigonometric and not), exponential and logarithmic functions, and domain and range. This course is designed to build on algebra topics and continue to strengthen students' mathematics skills before entering a college level mathematics course. *Prerequisite: "C" or better in Algebra 2*

- **Grades 10-12**

5 credits

PRE-CALCULUS – This course is a precursor to a first year college Calculus course for students who expect to pursue scientific or math curriculum in college. It will provide a thorough study of functions, including polynomial, rational, algebraic, exponential, logarithmic, and trigonometric functions. Students will expand their skills of graphing and functions. *Prerequisite: "C" or better in Algebra 2*

- **Grades 11-12**

5 credits

PRECALCULUS HONORS – This course provides opportunities to collect and interpret data, construct mathematical models, and explore contemporary applications. These models will include absolute value, piecewise, greatest integer, polynomial, trigonometric, logarithmic, exponential, logistic, inverse trigonometric, power, rational, and radical. Trig and inverse trig functions and relations will be used in various applications including harmonic analysis. Study of the radian measure of an angle and its use in finding linear and angular velocity. Conic sections in both rectangular and parametric form will be explored. Matrices and vectors will be used solve real world problems including navigation problems. Complex numbers in polar as well as rectangular form will be expressed. Exposure to calculus topics such as limits, discontinuities, simple derivatives, and equations of tangent lines will also be addressed. *Prerequisite: "B" or better in Algebra 2 Honors or an "A" in Algebra 2 with teacher recommendation*

- **Grades 11-12**

5 credits

CALCULUS – This course will explore the concepts of limits and continuity. The basic concept of the derivative with applications to velocity, related rates, max/min problems, and curve sketching will be studied. The concept of definite and indefinite integrals will be studied with applications including finding area under a curve. *Prerequisite: "C" or better in Pre-Calculus Honors or a "B" in Pre Calculus*

- **Grades 11-12**

5 credits

AP CALCULUS AB – This course will develop an understanding of limits through computer and calculator based activities. This study of limits including one sided limits will lead to an understanding of continuity and types of discontinuities. Exploration of the instantaneous rate of change graphically, numerically within limits, and algebraically with various techniques of differentiation, including implicit derivatives. They will estimate the definite integral and calculate both definite and indefinite integrals algebraically using various techniques. Students will solve differential equations algebraically and graphically. Application of these concepts in curve sketching, related rates, growth and decay, displacement, velocity and acceleration, finding volumes of solids, and calculating the average value of a function. *Prerequisite: "B" or better in Pre-Calculus Honors or an "A" in Pre-Calculus*

- **Grades 11-12**

5 credits

AP CALCULUS BC – This course covers the same topics of study as the AB course along with a few additional topics. These topics are vector, parametric, and polar functions, sequences and series. Also covered are methods used for determining derivations and integrals that are more advanced and detailed. This course is designed to develop a deeper understanding of mathematical knowledge by identifying links and patterns between concepts, applying appropriate techniques and strategies and solving diverse types of problems. “Calculus BC is designed to qualify you for placement and credit in a course that is one course beyond what is granted for Calculus AB.” This course will run when student enrollment numbers permit. *Prerequisite: “B” or better in Pre-Calculus Honors or an “A” in Pre-Calculus.*

- **Grades 11-12**

10 credits

AP PRECALCULUS – This course provides opportunities to explore contemporary applications in math by collecting and interpreting data and constructing mathematical models. These models will include absolute value, piecewise, greatest integer, polynomial, trigonometric, logarithmic, exponential, logistic, inverse trigonometric, power, rational, and radical functions. Study of the radian measure of an angle and its use in finding linear and angular velocity. Matrices and vectors will be used to solve real world problems including navigation problems. Exposure to calculus topics such as limits, discontinuities, simple derivatives, and equations of tangent lines will also be addressed. *Prerequisite: Algebra 2 Honors or Academic Algebra 2 with a grade of an A (and a teacher recommendation)*

- **Grades 11-12**

5 credits

STATISTICS – This course will introduce data classifications, experimental designs, and descriptive statistics techniques. Basic and discrete problems probabilities will be explored. Students will encounter continuous random variables dealing with normal probability distributions and confidence intervals. Students will work with hypothesis testing with both one and two samples. Students may also work with correlation and regression and the f-distribution. *Prerequisite: “C” or better in Algebra 2*

- **Grades 10-12**

5 credits

AP STATISTICS – This course will introduce major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: Exploring Data – describing patterns and departures from patterns; Sampling and Experimentation – planning and conducting a study; Anticipating Patterns – exploring random phenomena using probability and simulation; and Statistical Inference, estimating population parameters and testing hypotheses. *Prerequisite: “C” or better in Algebra 2 Honors or a “B” or better in Algebra 2*

- **Grades 11-12**

5 credits

SCRATCH PROGRAMMING – SCRATCH programming is a novice level computer science course designed to introduce students to mathematical logic and programming structure. The course will begin with mathematical logic and progress into creating algorithms to solve problems. The course content will cover pertinent programming topics including loops, nested blocks, variables, if-then statements, logical operators, strings, and lists. The development of individualized and group programming projects is a focus of this class. The course will include a short overview of more sophisticated languages such as Python, C++, and Java. This course will run every year as a foundational class in the computer science sequence. *Prerequisite: “C” or better in Algebra 1*

- **Grades 9-12**

5 credits

COMPUTER SCIENCE C++ – This course introduces computer programming using the C++ language. The course will provide a brief history of the field as well as emphasize structured programming techniques and problem solving. Topics include algorithm development, functions, loops, (for, while, do-while), if-else statements, switch statements, arrays, and other introductory C++ concepts. The majority of the course will focus on writing programs for various real world problems. This course will be offered in alternate years even numbered years. *Prerequisite: Successful completion of Algebra I and Geometry.*

● **Grades 10-12**

5 credits

PYTHON – Python is a computer science course focused on programming using the Python language. It is a relatively new language that extends C++ and precedes Java. It is used for its clear syntax. The course will provide a brief history of the field as well as emphasize structured programming techniques and problem solving. Topics include modular design, algorithm development, arrays, functions, repetition statements, mathematical operations, introductory sorting algorithms and other introductory Python topics. The development of individualized and group programming projects hold a high priority for this course. *Prerequisite: Concurrent enrollment or successful completion of Algebra 2*

● **Grades 10-12**

5 credits

JAVA – JAVA is a computer science course focused on programming using the JAVA language. The course begins with an introduction to software engineering. The course content then covers other pertinent programming topics including objects and classes, algorithms, JAVA syntax, data types and variables, Boolean expressions and iterative statements, strings, arrays, searching, and sorting and GUI components as the basis of content. Individualized and group programming projects are a focus of this class. The course will be offered in alternate odd numbered years. *Prerequisite: Concurrent enrollment or successful completion of Algebra 2*

● **Grades 10-12**

5 credits

AP COMPUTER SCIENCE A – This course will focus on object oriented programming methodology with a concentration on problem solving and algorithm development. This course mirrors a first semester college course in computer science. Topics include programming basics, design, interfaces, arrays and lists, recursions, and sorting and searching. Students will write their own programs and the course will finish with the study of a large scale fully functioning program. The course will be offered in alternate odd numbered years. *Prerequisite: "B" or better in Computer Science C ++ OR "A" in Geometry OR "B" or better in Geometry Honors OR "B" or better in JAVA.*

● **Grades 11-12**

5 credits

AP COMPUTER SCIENCE PRINCIPLES – This class was developed as an introduction to logic and data used in computer programming. The "College Board" course description states "AP Computer Science Principles focuses on foundational computing skills and was designed to help students understand the relevance of computing skills for their college and career plans. Multidisciplinary in nature, this course teaches students how to analyze problems, use creative thinking, and create computational artifacts including programs. Throughout the course students will collaborate to investigate real world issues using computing." This course will be offered in alternate even numbered years. *Prerequisite: Successful completion of Geometry.*

● **Grades 10-12**

5 credits

MATH SAT PREP – In this course students develop and refine their proficiency in concepts and skills required for the mathematical section of the SAT. Students engage in an intensive review of algebraic and geometric math. Study skills and effective strategies for test taking will be stressed. Students enrolling in this course must also take Verbal SAT Skills. *Prerequisite: Successful completion of Algebra 1 & Geometry and concurrent enrollment in Algebra 2*

- **Grades 11-12**

2.5 credits

MATHEMATICS SKILLS – This course is designed to improve each student’s mathematical and problem solving skills on state testing and end of course assessments. Topics include number and numerical operations, geometry and measurement, patterns and algebra, data analysis, probability, and mathematical processes. Test taking strategies and skills are reviewed. This course is pass/fail.

- **Grades 9-12**

2.5-5 credits

MATH APPLICATIONS – This course is designed for students to explore mathematics by applications of use in various fields such as business, engineering, science, and technology. Topics include growth and decay models as they apply to interest rates and population; coding spreadsheets; trigonometry in engineering; mathematical modeling in biology; cryptography, including history and applications of ciphers and codes. Individual and group projects will further enhance the application of math in the real world. *Prerequisite: “C” or better in Algebra 2*

- **Grades 11-12**

5 credits

PCCC ALGEBRA A/B – This course is an introduction to the fundamental concepts and processes of elementary algebra. Topics include the properties of real numbers, algebraic expressions, linear equations, polynomials, factoring, graphing of linear equations, methods of solving linear systems, radicals, and solving quadratic equations. Particular emphasis is placed on diagnostic testing to prepare students to take the ACCUPLACER college placement test.

- **Grade 12**

5 credits

MUSIC DEPARTMENT

The arts are an integral part of education and provide a rich and critically important forum in which students learn about themselves. Students learn how to relate to aesthetic, emotional, and kinesthetic aspects of their lives to the world. Participation in the arts can make the future scientist, mathematician, researcher, or lawyer develop the curiosity that inspires them to take risks that are essential for creativity within their field. The arts enrich the life of individuals and provide a lifetime of joy. Five credits in visual and performing arts are required for graduation and all music courses satisfy this requirement. LRHS offers an extensive program in the performance and general study of music to accomplish the following: encourage skill and technical virtuosity; to provide cultural literacy; and to enable all students to fully develop as well-rounded individuals.

EXPLORING MUSIC – This nonperformance course is open to all students and covers music theory, music history, and music in theatre and film. Students will gain knowledge in reading rhythms, construction of scales, basic elements of music, and be able to identify eras of music and composers.

- **Grades 9-12**

5 credits

MUSIC THEORY HONORS – This course teaches the fundamentals of music including rhythm, harmony, and melody applications. This course is designed to help students understand how music is created, written, and performed. Intense analysis of the structural elements of music along with ear training comprise much of the course content. This course will be offered in alternate odd numbered years. *Prerequisite: Ability to read music and at least one year experience in performance ensemble*

- **Grades 10-12**

5 credits

MUSIC THEORY AP – The Music Theory course is designed to develop the student's ability to recognize, understand, and describe the basic materials and processes of music as outlined in the AP Music Theory Course Description from College Board. Through reading, notating, composing, singing, and listening to music students will develop skills that will lead to a thorough understanding of music composition and music theory. Main emphasis is placed on standard Western tonal repertoire, but other musical styles will be studied as well. This course will be offered in alternate even numbered years. *Prerequisite: Music Theory Honors OR Teacher Recommendation/Approval.*

- **Grades 11-12**

5 credits

CONCERT CHORUS – The Concert Chorus is a vocal training ensemble for the study and performance proficiency of standard choral literature including folk music, popular songs, show tunes, and major choral works. Concert Chorus is open to all students without audition. The course covers basic theory, harmony, sight singing, vocal techniques, ear training, and tone production. The Concert Chorus performs on three occasions during the year; the Holiday Music Festival, the Winter Music Festival, and the Spring Chorus Concert. Performances are viewed as unique, culminating experiences and are used as assessments. Worksheets, tests, and vocal tapes also evaluate student progress. Opportunities to participate in Regional and All State Choruses are available for accomplished students. An audition for the LRHS Chorale and Chamber Singers is contingent upon current enrollment in the Concert Chorus class or two years prior enrollment.

- **Grades 9-12**

5 credits

BAND – The Lancer Band is open to all students possessing skills on woodwind, brass, or percussion instruments. Students will study and perform music emphasizing the development of technical ability, characteristic tonality, and knowledge of phrasing. Band members may audition for Area, Regional, and All-State ensembles. The course meets during the school day. Students must participate in all scheduled concerts, festivals, competitions, ceremonies, parades, and field performances as members of the Lakeland Marching and Concert Band. These required activities are an integral part of the total Band experience. Attendance is also required at Tuesday evening rehearsals and additional rehearsals as deemed necessary by the Band Director. Students will graduate prepared to participate in college level ensembles and community bands.

- **Grades 9-12**

5 credits

PIANO LAB – This course is open to all students and requires no previous piano experience or musical background. Each student will be given an individualized program that will expand their musical development to a basic skill level determined after an initial review. Music from other periods, including today’s popular songs, will be studied. Students will gain basic knowledge of music theory in key signatures, rhythm, and chord production. Each student will learn to play a repertoire of music commensurate with their ability.

- **Grades 9-12**

5 credits

GUITAR LAB – Guitar Lab is an elective course covering the basics of the instrument and essential music fundamentals. Students will learn the basics of playing guitar at a beginning level through studying music notation, chord symbols, and peer modeling. A brief history of the guitar along with a study of its respective musical styles will also be covered in this course.

- **Grades 9-12**

5 credits

MUSIC TECHNOLOGY – This course is designed to acquaint students with various forms, styles, and techniques of the electronic music and recording industry. The course serves as an introductory lab experience in which students learn through the use of computers how to compose, sequence, and notate music. Students are instructed in the first semester on piano keyboard and analog recording and editing, and electronic music vocabulary and history. In the second semester students learn advanced music sequencing and notation as well as an introduction to psycho-acoustics, recording theory and practice, digital editing, notation software and digital sequencing.

- **Grades 9-12**

5 credits

INSTRUMENTAL MUSIC – The Instrumental music course is open to all students in the 7th, 8th, and 9th grades wishing to learn skills on woodwind, brass, or percussion instruments. Instrumental music students study and learn techniques and skills necessary to play an instrument at the beginning to intermediate level. This study will emphasize the development of technical ability, characteristic tonality, and the knowledge of phrasing. It meets during the school day and is offered as a beginning level course to advance the students to high school band.

- **Grades 7-9**

5 credits

PHYSICAL EDUCATION & HEALTH

The comprehensive health and physical education program incorporates the New Jersey Student Learning Standards by developing the physical abilities, stamina, coordination, strength and grace of LRHS students. A variety of activities provides opportunities for social, emotional, and intellectual growth as well as enjoyment, skill development, and worthy use of leisure time. Exercise and conditioning activities, team and lifetime sports, make up the content. The health and safety education program consists of health and drivers education classes at each grade level. These classes are part of the requirements for graduation.

COMPREHENSIVE PHYSICAL EDUCATION & HEALTH CURRICULUM

Health 1 – This course is provided to all freshmen and it introduces the foundations within health – mental and emotional well-being, relationships, peer and family communication, substance abuse, and decision making skills. The course helps students work independently and cooperatively to achieve their highest level of performance and become lifelong learners.

- **Grade 9**

1.25 credits

Driver’s Education – This course is provided to all sophomores and places a strong emphasis on driver responsibility. Students will explore an array of driving attitudes to determine their impact on all components of the driving experience. Substance use and abuse as it pertains to driving performance, driving emergencies and defensive driving techniques will also be addressed. Local speakers from a variety of programs will speak with the students such as but not limited to the local police on drinking and driving, and the NJ Sharing network on organ donation.

- **Grade 10**

1.25 credits

Health 3 – This course is provided to all juniors and it illustrate the contemporary issues that affect teens and families. The course emphasizes topics such as core values, pregnancy, childbirth, parenting, and sexual health care. The course helps students work independently and cooperatively to achieve their highest level of performance and become lifelong learners.

- **Grade 11**

1.25 credits

Health 4 – This course is provided to all seniors and it covers topics within Health Science such as stress, mental illness, suicide, substance abuse, decision making skills, budget and financial planning, and relationship skills. The students are taught with an emphasis on creating a strong foundation of guidance and growth through the coordination of home, school, and community resources in order to prepare them for their future.

- **Grade 12**

1.25 credits

EXCLUSION FROM HEALTH TOPICS

NOTE: 18A:35.4.7 EXCLUSION OF PUPILS FROM PROGRAM; STATEMENT OF PARENT. Any child whose parent or guardian presents to the school a signed statement that any part of the instructions in health, family life education, or sex education, is in conflict with his/her conscience, or sincerely held moral or religious beliefs shall be excused from that portion of the course where such instruction is being given and no penalties as to credit or graduation shall result there from. Students will be assigned to independent projects in Health during the time of exclusion.

ADAPTIVE PHYSICAL EDUCATION – This program is designed for those students that require a modified Physical Education program. An individualized program will be designed for these students. This program will include many lifetime sports and leisure activities that focus on coordination, strength, endurance, and agility.

- **Grades 9-12** **3.75 credits**

ADAPTIVE HEALTH – Adaptive Health is designed for students who require a modified curriculum. This course will introduce the students to select topics in health, first aid, driver's education, and family living. Class enrollment is limited to 15 students.

- **Grades 9-12** **1.25 credits**

EXERCISE SCIENCE – Students will be introduced to a broad array of topics within the exercise science and fitness fields. While participating in a hands-on interactive environment. Instruction will take place in the classroom and fitness center. It will incorporate the creation, implementation, and execution of an exercise program that will promote a healthy lifestyle. Through an introductory review of body systems and physiological concepts, students will gain an understanding and appreciation for the processes of response and adaptation, which enhance and improve both the health and fitness of people who exercise regularly. Career options related to exercise science, fitness, and wellness will be reviewed and explored giving students an informed exposure to future career choices.

- **Grades 11-12** **5 credits**

MOVEMENT & WELLNESS STUDIES – In this course students will be introduced to a broad array of topics within movement science and wellness studies. Through an introductory review of body systems and physiological concepts, students will gain an understanding and appreciation for the processes of the relationship between physical health and emotional wellness. Scientific studies, academic articles, and guest speakers will accompany these practices, to deepen the understanding of the connection between health and academic achievement. Career options related to orthopedics, exercise science, physical therapists, sports psychologists, nutritionists, fitness, and wellness, will be reviewed and explored giving students an informed exposure to potential areas of future employment.

- **Grades 9-12** **5 credits**

KINESIOLOGY CP-A – In the course, students will be introduced to a broad array of topics within Kinesiology. Through an introductory review of human anatomy and physiology, students will gain an understanding and appreciation of the relationship between movement and the human body. Scientific studies, academic articles, and guest speakers will accompany these practices, to deepen the understanding of the connection for academic achievement. Career options include Adapted Physical Activity Specialist, Aquatics Director, Athletic Administration, Athletic Trainer, Exercise Physiologist, Physical Therapist, Personal Trainer, Respiration Therapist, Sports Management, and Strength Coach are a few options the students will have.

- **UPAL Students 9-12; Elective Grades 11-12**

5 credits

SCIENCE DEPARTMENT

Acknowledging that scientific knowledge continues to accumulate at an accelerating rate, and that not all of science knowledge can be included in our programs of study, the New Jersey Department of Education in its mandated Next Generation Standards for Science and our science faculty have identified what all students should learn and be able to do as they grow toward scientific literacy during their years at LRHS. All students will gain an understanding about life, earth, and physical sciences as they develop critical thinking skills. While students learn science content, habits of mind such as curiosity, skepticism, open-mindedness, and honesty when collecting and interpreting findings will be promoted. All students receive preparation for success in standardized testing assessments.

Fifteen credits of science are required for graduation, which must include at least 5 credits in Biology; an additional lab based science course including chemistry, environmental science, or physics; and a third laboratory based science course.

IMPORTANT NOTE: Biology is offered in three levels of academic rigor. Students are enrolled in the course that best suits their needs as determined by skills, abilities, recommendations, and standardized test scores with supervisor approval.

COLLEGE PREP LEVEL – This standard level course is designed to meet the needs of the average college bound student. Areas emphasized are note taking and study skills, writing lab reports, graph interpretation, data collecting, determining relationships between events and drawing conclusions. The College Prep level takes a structured approach with reinforcement activities. Student evaluation will be determined by tests, quizzes, lab reports, homework, and periodic evaluations of notebook content.

COLLEGE PREP-ADVANCED LEVEL – This standard level course is designed to meet the needs of the above average college bound student. The student choosing this level should have excellent note taking and study skills, and be fairly proficient in graph interpretation, data collecting and determining relationships between events. Drawing conclusions and lab report writing will be emphasized. Student evaluation will be similar to the College Prep level, but tests and lab reports will be emphasized.

HONORS LEVEL – This premium level course is limited to our most capable and conscientious students. These students have the highest level of mathematics, reading and writing skills, and are intellectually curious. In addition, they understand abstractions, perform to their potential, and fulfill all obligations. Lab work compliments each unit with emphasis in the area of technology. *Honors level prerequisite: "A" in science and mathematics courses.*

ENVIRONMENTAL SCIENCE – (Lab) The focus of this course is the study of the environment and the impact of human activity on environmental quality. Because environmental issues are broad in scope, knowledge and understanding from different perspectives in biological and physical science, as well as social sciences, are developed. Individual laboratory work and projects are designed to develop observational and problem solving skills, critical thinking and promote sound environmental practices.

- **Grade 9, 11-12**

5 credits

BIOLOGY 1 – (Lab) The course of study in Biology 1 involves the study of the origin and evolution of life, its molecular and cellular structure, its inheritance, and its relationship to the environment. Many areas presented are supported by individual laboratory work that is designed to develop observational, problem solving, and lab techniques. *Prerequisites: Passing grade in Environmental Science*

- **Grade 10**

5 credits

HONORS OPTION FOR 9TH GRADERS – Students who are academically advanced in science may elect to enter Honors Biology as a ninth grader but the student must meet all the prerequisites.

- Score Advanced Proficient on standardized state assessments
- “A” in 8th Grade Science and English Courses
- Recommendation by 8th Grade science teacher
- Students who enroll in Honors Biology **MUST** enroll in Honors English

CONCEPTUAL PHYSICS – (Lab) In this course the physical world of lifeless matter involving no chemical changes is studied. The central concepts of motion of objects, forces, heat, light, sound, electricity and other concepts of modern physics are studied. Problem solving, application of concepts and laboratory activities are also components of this course. *Prerequisite: Passing grade in Algebra 1 and Biology*

- **Grade 10-12**

5 credits

CHEMISTRY 1 – (Lab) In this college preparatory course concepts are introduced and developed to make connections and applications with issues in society which require an understanding of chemistry. Exposure to mathematical problem solving will be integrated as necessary. Emphasis of instruction will be through hands on activities and labs. Students interested in science at the college level should consider Chemistry 1 Honors. *Prerequisite: Successful completion of Biology 1 and “C” or better in Algebra 1*

- **Grades 11-12**

5 credits

CHEMISTRY 1 HONORS – (Lab) In this course the composition and structure of matter and the consequences of chemical change are studied. Understanding how the structure of atoms and molecules determine physical and chemical properties of matter is developed. Applications of those concepts are used to solve problems and/or are supported by laboratory experiences. This course is mathematics intensive and is for students who have demonstrated a scientific aptitude, are considering studying science in college and/or are preparing to take Chemistry 2 AP. *Prerequisite: “A” in Biology 1, or “B” in Biology 1 Honors, and “B” or better in Algebra 1*

- **Grades 10-12**

5 credits

PHYSICS 2 COLLEGE PREP-ADVANCED – (Lab) This course covers traditional topics of physics including: gravity, rotational motion, light and color, electricity and magnetism, and nuclear physics. The laboratory component will include a combination of simulated virtual labs along with experiments. *Prerequisites: Completion of Conceptual Physics College Prep-Advanced or Honors, “B” or better in Algebra 2. Previous or concurrent enrollment in Pre-Calculus*

- **Grades 11-12**

5 credits

PHYSICS 2 HONORS – (Lab) This course covers traditional topics of physics including: gravity, rotational motion, light and color, electricity and magnetism, and nuclear physics. The laboratory component will include a combination of simulated virtual labs along with experiments. *Prerequisites: Completion of Conceptual Physics College Prep-Advanced or Honors, “B” or better in Algebra 2. Previous or concurrent enrollment in Pre-Calculus*

- **Grades 11-12**

5 credits

ANATOMY & PHYSIOLOGY COLLEGE PREP – (Lab) Anatomy and physiology is the study of the structural body parts and how they work, stressing the biological relationship between structure and function. In this standard level college preparatory course, concepts of organs and body system functions are introduced and developed to make connections with common health issues. *Prerequisite: “A” in Biology 1 College Prep*

- **Grades 11-12**

5 credits

ANATOMY & PHYSIOLOGY: BS 103 – (Lab) Anatomy and physiology is the study of the structural body parts and how they work, stressing the biological relationship between structure and function. In this standard level college preparatory course, concepts of organs and body system functions are introduced and developed to make connections with common health issues. *Prerequisite: “B” or better in College Prep-Advanced or Honors Biology*

- **Grades 11-12**

5 credits

MARINE SCIENCE – (Lab) This standard level college preparatory course focuses on oceanography and marine biology. Emphasis will be placed on the physical and chemical properties of the ocean, the geological features found there, as well as the study of marine organisms, their adaptations and interactions in various marine communities. *Prerequisite: Successful completion of Biology 1*

- **Grades 11-12**

5 credits

FORENSIC SCIENCE - (Lab) This standard level college preparatory course focuses on the science of forensics. Emphasis is placed on the interdisciplinary nature of the field linking chemical, biological, physical, geological, and mathematical concepts that are useful for determining the evidential value present at a crime scene. Community experts are key interactors with the course graphic content may be covered. *Prerequisite: “B” or better in Biology 1, Chemistry recommended*

- **Grades 11-12**

5 credits

FORENSIC SCIENCE: CHE 113 – (Lab) This course is intended to provide an introduction to understanding the science behind crime detection. Recent advances in scientific methods and principles have had an enormous impact on law enforcement and the entire criminal justice system, and this course will present a number of those methods that are relevant to crime detection and analysis. The course will emphasize the techniques used in evaluating physical evidence; laboratory exercises will include techniques commonly employed in forensic investigations. Topics included are blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paints, glass composition and fragmentation, fingerprints, soil comparisons, arson investigations, and more. This is a college course offered through Syracuse University and students paying the discounted fee for SU credit will receive a Syracuse University transcript. This course will be offered in alternate even numbered years. *Prerequisite: "B" or better in College Prep-Advanced or Honors Biology and "B" or better in College Prep-Advanced or Honors Chemistry. Successful or concurrent enrollment in Algebra 2.*

- **Grades 11-12**

5 credits

AP BIOLOGY 2 – (Lab) The AP Biology course is designed to enable the student to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, and applying mathematical routines and connecting concepts in and across domains. These science practices capture important aspects of the work that scientists engage in at the level of competence expected of an AP Biology student. Areas of study addressed by the College Board course description include the core scientific principles, theories and processes governing living organisms, and biological systems. *Prerequisite: "B" or better in Biology Honors OR "A" in College Prep-Advanced Biology*

- **Grades 11-12**

10 credits

AP CHEMISTRY 2 – (Lab) In this course exceptional students pursue a program of studies in chemistry beyond the traditional high school curriculum. In large measure, organic chemistry and biochemistry are surveyed. This premium level course exists to help prepare students to take the Advanced Placement examination in Chemistry. This course may be taken concurrently with other honors or AP science courses by qualified students. *Prerequisite: "B" or better in Chemistry 1 Honors and successful completion of Algebra 2 CP-ADV or H*

- **Grades 10-12**

10 credits

AP ENVIRONMENTAL SCIENCE – (Lab) A cross disciplinary course designed for the motivated student who desires an advanced science experience. This college curriculum based course focuses on major environmental issues such as overpopulation, habitat destruction, pollution, and reduced biodiversity, including the science behind these issues. Emphasis is placed on data collection, analysis, and comparisons from field sampling. An overnight trip with some expenses may be required. This premium level course will prepare the student to take the Advanced Placement examination in Environmental Science. This course will be offered in alternate even numbered years. *Prerequisite: "A" in College Prep-Advanced Biology 1 or "B" in Biology Honors. Successful or concurrent enrollment in Algebra 2.*

- **Grades 10-12**

10 credits

SCIENCE RESEARCH 1-3 (H) (Lab) – The purpose of this inquiry-based research course is to provide critical opportunities for interested students to understand the components of modern scientific research. Through this course, students will engage in a mentored experience in the scientific disciplines. The scientific development and encouragement of young scientists in this course is promoted and fostered through direct and frequent interactions between teachers, science research professionals and other program participants. This is a multiple year program and college credit may be earned by submitting a science research portfolio to the AP College Board for review after the successful completion of the second year of the course. *Prerequisites: “B-” or higher in 9th Grade science – Conceptual Physics CP/CP-ADV or Biology H*

- **Grades 9-11**

5 credits

SPECIAL TOPICS IN DISEASE (Lab) – This inquiry-based course is designed for students who desire an advanced class that explores various aspects of human disease. After being introduced to the structure and function of the immune system the course will cover various causes of disease. Topics include: genetic disease, viruses, bacteria and other pathogenic diseases, cancer and related diseases. Laboratory work is designed to develop common techniques used in biotech research. Projects will focus on current scientific research methodologies and advancements related to medicine. The class will culminate in a research based presentation. *Prerequisites: “B” or better in Biology and English. Summer assignment may be required.*

- **Grades 11-12**

5 credits

SOCIAL STUDIES DEPARTMENT

The Social Studies Department seeks to prepare students as active citizens in a democratic society. Through the study of civics, history, geography, and current issues, students acquire the knowledge and intellectual skills needed to understand our complex world and to make informed intelligent decisions.

In their study of United States and World history, students examine all aspects of the human experience: social, political, technological, economic, and intellectual. They gain an understanding of how the past has shaped the culture, institutions, and conditions of present day America and the world. In preparation for their lives as active citizens, students examine the fundamental documents and principles of American democracy, the role of government, and the relationship between the United States and other nations.

The Social Studies program stresses development of skills aligned to the New Jersey Student Learning Standards for literacy. The development of skills in reading, writing, speaking, and learning are emphasized. Research skills, including the use of technology in the research process are also addressed. Critical thinking skills developed in social studies courses include the ability to evaluate evidence, analyze and interpret data, construct logical arguments, make comparisons, and understand causal relationships.

All students are required to successfully complete three courses: World History, US History 1, and US History 2. In addition, students are encouraged to take a variety of electives.

IMPORTANT NOTE: The three required Social Studies courses are offered on several different levels of academic rigor, as described below. Students are enrolled in the course level which best meets their needs and abilities as determined by demonstrated skills and abilities, teacher recommendations, and standardized test scores, with supervisor approval.

COLLEGE PREP LEVEL – These standard college preparatory level courses are designed to meet the needs of the average students who are preparing for college. These courses integrate the study of history with instruction in language arts, researching, and critical thinking skills. Knowledge of history is acquired through classroom activities that are designed to increase proficiencies in reading comprehension, listening, note taking, and other skills. Students’ writing and thinking skills are developed as they are required to make judgements based upon evidence, analyze pros and cons, make comparisons, identify causes and effects, and present well-reasoned arguments and opinions.

COLLEGE PREP-ADVANCED LEVEL – These standard level college preparatory level courses are designed to provide a more rigorous workload for college bound students. This level is appropriate for students who have a greater mastery of reading, writing, and critical thinking skills and have a higher degree of motivation in the subject area. The College Prep-Advanced level course includes more demanding reading and writing assignments, examines topics in greater depth, and requires a more intensive level of critical thinking than the College Prep level courses.

HONORS LEVEL – These premium level courses are limited to our most capable and conscientious students who have demonstrated a high degree of motivation in Social Studies. Honors level history courses are designed for students who are not only intellectually curious, but also possess the highest level of reading and writing skills and demonstrate understanding of abstractions. Such students also take responsibility for their own learning by fulfilling their obligations and performing to their potential. Summer reading is a requirement.

ADVANCED PLACEMENT – AP History courses are designed to represent the equivalent of a first year college course. These courses follow a national curriculum pattern to prepare students for the Advanced Placement examinations. The college level course work is academically rigorous and requires exceptional reading, writing, and critical thinking skills. Students are required to engage in independent reading including extensive study of primary source documents. Students are taught how to demonstrate an accurate conceptual understanding of history by formulating hypotheses and providing them with solid factual evidence in integrated, coherent, stylized essays in preparation for the Advanced Placement examinations. Summer reading is a requirement. *Prerequisite: "A" in College Prep-Advanced Social Studies and English courses. "B" or better in CP-ADV level Social Studies and English courses or demonstrated mastery of appropriate social studies skills, Successful completion of US History 1 Honors required for enrollment in US History 2 AP.*

REQUIRED COURSES

WORLD HISTORY – In this course students trace the development of human history from 1450 to the present. An understanding of the past is developed through the application of such historical themes as continuity and change, geography and history, political and social systems, religions and value systems, economics and technology, global interaction, and the impact of the individual and the role of artistic expression.

- **Grade 9**

5 credits

US HISTORY I - In this survey course, students follow the development of the United States from the Revolutionary period to the end of the nineteenth century. Topics include the American Revolution, the Constitution, national growth, the Civil War, and its aftermath, the rise of industrial and urban America. The completion of a written research paper and/or project is the culmination of a unit emphasizing research, writing, and information literacy.

- **Grade 10**

5 credits

US HISTORY II – In this course students continue to examine our national experiences and cultural developments as they occurred during the twentieth century. Topics of study include the development of America as a world power, the Progressive Era, World War I, the Great Depression, World War II, the Cold War, the struggle for Civil Rights and continuity and change in America today.

- **Grade 11**

5 credits

SOCIAL STUDIES ELECTIVES

CIVIL AND CRIMINAL LAW: CJ 101 – In this survey course students will analyze the fundamental concepts and workings of our legal system, as well as develop an understanding of their rights, responsibilities, and functions in a variety of situations. Among the topics studied are the court system, the nature of criminal and civil actions, criminal law and procedure, juvenile justice, and the law of negligence and strict liability. Topics in family law including marriage, divorce, rights and responsibilities of parents and children, and the laws on inheritance are also addressed. The course also examines the individual rights and freedoms of Americans under our Constitution.

- **Grades 11-12**

5 credits

INTRODUCTION TO PSYCHOLOGY – In this survey course students examine fundamental concepts in the discipline of psychology as it relates to the individual. Among the topics studied are the biology of human behavior, developmental theory, learning and cognitive processes, psychological research methods, classic personality theory and abnormal psychology.

- **Grades 10-12**

5 credits

CURRENT ISSUES AND POPULAR CULTURE IN THE UNITED STATES– In this course student will study a range of issues confronting American society today from the lens of popular culture as it has developed in modern United States (Turn of the 1900’s to the Modern Day.). Using social science methods and semiotic analysis (the study of cultural signs), students will examine the following issues: American consumption, advertising, culture represented in film, modern media, the family, health care, race and ethnicity, gender issues, socio-economic status. Student understanding will be enhanced through projects, investigations, and extensive use of technology.

- **Grades 10-12**

5 credits

POLITICS AND GOVERNMENT – This course stresses the essential ideas and practices of the American political system. Students will study the American political system focusing on such factors as voter’s behavior, political parties, mass media, public opinion, political campaigns, and interest groups. In addition students will examine the fundamental principles and institutions of American government and study current public policy issues. Student understanding will be enhanced through projects, field trips, investigations, and other authentic experiences.

- **Grades 10-12**

5 credits

COMPARATIVE GOVERNMENT AND POLITICS – ADVANCED PLACEMENT (AP) – This premium level course will prepare students to successfully perform on the applicable Advanced Placement examination. Students will compare the political institutions and processes of a variety of countries, focusing on China, Great Britain, Iran, Mexico, Nigeria, and Russia. Students will compare the effectiveness of various policy approaches to such issues as economic development, poverty, health, population growth, civil liberties, and the environment. *Prerequisite: “A” in Social Studies and English courses or demonstrated mastery of appropriate skills.*

- **Grades 10-12**

5 credits

MODERN EUROPEAN HISTORY – ADVANCED PLACEMENT (AP) – This premium level course is designed to represent the equivalent of a first year college history course. Students are prepared to successfully perform on the applicable Advanced Placement examination. Enrollment is limited to our most capable and conscientious students. Students will use college level textbooks, primary source documents, films and art reproductions to closely examine the political, diplomatic, intellectual, cultural, social, and economic history of Europe from the Renaissance to the present day. *Prerequisite: “A” in Social Studies and English course or demonstrated mastery of appropriate skills.*

- **Grades 10-12**

5 credits

MODERN WORLD HISTORY – ADVANCED PLACEMENT (AP) - In this course students investigate significant events, individuals, developments, and processes in six historical periods from approximately 1250 C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

- **Grades 9-12**

5 credits

US GOVERNMENT AND POLITICS – ADVANCED PLACEMENT (AP) – This premium level course is designed to represent the equivalent of an introductory college course on American government and politics. Students are prepared to successfully perform on the applicable Advanced Placement examination. Enrollment is limited to our most capable and conscientious students. Students develop a critical perspective on American government and politics while gaining familiarity with the institutions, groups, beliefs, and ideas that make up the American political reality. *Prerequisite: "A" in Social Studies and English course or a demonstrated mastery of appropriate skills.*

- **Grades 11-12**

5 credits

PSYCHOLOGY – ADVANCED PLACEMENT (AP) – This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering psychologists and studies that have shaped the field, students will explore and apply psychological theories, key concepts, and phenomena associated with biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology. Throughout the course students employ psychological research methods, including ethical considerations, as they use the scientific method to analyze bias, evaluate claim and evidence, and effectively communicate ideas. *Prerequisite: "B" or better in World History Honors or "A" in World History College Prep-Advanced*

- **Grades 10-12**

5 credits

TECHNOLOGY EDUCATION DEPARTMENT

The Technology Program has as its primary purpose the preparation of students to live and work in a technological society. The courses within the program are designed to educate all students with regard to career opportunities, living and working with current and future technologies, and the changing workplace in the 21st century.

To compete in a global, information based economy, the students we prepare must be able to solve real problems, reason effectively, and make logical connections. The work world they will enter will feature products and factories that are designed by mathematical models and computer simulations, computers that control production processes and plants, and robots. We need to develop people with the skills to develop and manage these new technologies.

The New Jersey Student Learning Standards in Visual & Performing Arts mandate that students will be able to develop original thoughts and ideas, think creatively, develop habits of inquiry, and take intellectual and performance risks. Students are expected to recognize problems, devise ways to solve these problems, analyze the potential advantages and disadvantages of each alternative, and evaluate the effectiveness of the method ultimately selected. This is the basis of technology education.

The various program areas provide practical experiences and a broad range of studies in the areas of communications, transportation and energy, manufacturing and construction. Each course will afford the student valuable experience and insight into the technologies that will affect their adult lives. Students will have an opportunity to explore a variety of areas within the technology realm and they will have the opportunity to work with the following high tech equipment: robots, laser and fiber optics, digital electronics, computer technology, satellite communications, alternate energy, mass production, and desktop publishing. Academic students, students planning to go on for further training, or students planning to enter the workforce upon graduation can all benefit from the various courses in our program.

INTRODUCTION TO TECHNOLOGY – This course will emphasize the design and problem solving process, the evolution of technology, and a systems approach to understanding technology. The areas of communications, manufacturing, and technical drawing will be explored through the application of problem solving activities (Technology Learning Activities) which will engage students in the first hand experiences with technology. Students will learn the impacts of technology on the individual and society.

- **Grades 9-12**

5 credits

INTRODUCTION TO ELECTRONICS – This is an introduction to electricity and electronics. The theories of voltage, current, and resistance are explored through videos, class discussion, and student projects. Students will learn about and use components ranging from basic resistors, AC and DC currents, reading blueprints, residential electrical wiring, lighting and receptacle circuits, and the National Electric Code. Safety practices are stressed throughout the course.

- **Grades 10-12**

5 credits

ELECTRONICS 2 – This course is a continuation of study in electronics that builds on previous study, explores topics in depth and covers many exciting new topics. It delves into explanations of why devices and systems respond the way they do. This course aims to help students understand the use and importance of electronics to society, industry, and technology, particularly with products ranging from toys to household appliances and robots. By exploring this extended information, students can build career awareness for pursuing occupations as technicians, electricians, and engineers. The course focuses on the design and use of electronics including semiconductors and linear electronic circuits. General topics will include a review of series parallel circuits, linear and semiconductor devices, microcontrollers and the use of virtual software. A hands-on approach is used by incorporating laboratory experiments using electronics kits and ancillary devices along with basic wiring skills. This experience coupled with the theory of electronics will help students realize personal interest and aptitude in this field. *Prerequisites: "B-" or better in Introduction to Electronics*

● **Grades 11-12**

5 credits

ROBOTICS ENGINEERING 1 – This course offers the student an opportunity to design and manufacture useful devices or materials whose purpose is to increase effectiveness. Using a robotics based curriculum students will use scientific knowledge, mathematics, imagination, persistence, and ingenuity in solving specific practical problems concerning the environment, structures, telecommunications, energy, aerodynamics, and other forms of technology. Individual and group experimentation will result in the design and modification of solutions. *Prerequisite: Introduction to Technology*

● **Grades 10-12**

5 credits

ROBOTICS ENGINEERING 2 – This course is an upper level course built on the platform of the Intro to Technology and Pre-Engineering & Robotics curriculum. Students will utilize Vex Robotics kits to design, build and create robots in efforts to explore various different elements and themes of engineering. Some themes include: electronics and control systems; statics, kinetics and forces; machine design; safety and construction technique; and computer programming. *Recommendation: Robotics Engineering 1*

● **Grades 10-12**

5 credits

TECHNOLOGY ENGINEERING AND DESIGN 1 – This course is a standards-based, engineering related curricula designed for students interested in exploring technological concepts. During this course, students will acquire and use technological knowledge to solve problems using the engineering design process. This course will prepare students to become a technological thinker and innovator through practical application of math, science, engineering and technological principles. It provides students with essential core strategies for acquiring technological knowledge. *Prerequisite: "C" or better in Introduction to Technology*

● **Grades 10-12**

5 credits

TECHNOLOGY ENGINEERING AND DESIGN 2 – The units of instruction will build on the four previously mastered concepts from Tech Design 1; manufacturing, power, construction, and transportation technologies. Four new units, including information and communications, agriculture and related biotechnologies, entertainment and recreation and medical technologies. Each learning unit begins with a primary design challenge or problem that is then supported in subsequent learning cycles. *Prerequisite: "C" or better in Technology Engineering and Design 1*

● **Grades 11-12**

5 credits

DRAFTING AND DESIGN TECHNOLOGY 1 – This is an introduction to drafting and design. If you are interested in design, engineering, science, illustration or any field that requires you to be able to plan and communicate your ideas graphically then this is the course for you. Students will learn to draw plans for items to be manufactured or constructed and how to read machine drawings and blueprints and use computer assisted drafting systems. Problem solving activities involving the application of conventional sketching. Mechanical, and CADD drawing will also be included.

- **Grades 9-12**

5 credits

DRAFTING AND DESIGN TECHNOLOGY 2 – This course offers the student an opportunity to explore various computer assisted drawing programs and techniques used for design. Computer generated drawings will be created in the areas of design, interior design, architecture, three dimensional modeling, structural animation, and engineering. Problem solving activities involving design through the use of computer assisted drafting will be stressed. *Recommendation: Drafting and Design Technology 1*

- **Grades 10-12**

5 credits

ARCHITECTURAL DESIGN – Future architects, technicians, engineers, and homeowners will benefit from this course. Students study the history of architecture and its relationships to materials and construction techniques. Students will have an opportunity to design rooms, homes, gardens, and then create a model of their work. Students learn about zoning, planning, construction principles, ecology, energy, and careers in the architectural field.

- **Grades 10-12**

5 credits

VIDEO PRODUCTION/MEDIA COMMUNICATIONS 1 - This course deals with the fundamentals of video and media communications. The course will cover such areas as digital video & audio editing, scripting, storyboarding, video equipment use, and basic studio production. Students will utilize the TV studio, green screen, and iMac lab to create video production projects.

- **Grades 9-12**

5 credits

VIDEO PRODUCTION/MEDIA COMMUNICATIONS 2 - This advanced course deals with all phases of video production and media communications. Topics include advanced studio production, lighting, video & audio editing, storytelling, and news show creation. Students will have the opportunity to practice creating segments for the Lakeland Morning Show, as well as the creation of a Morning Show later in the school year. *Prerequisite: "C" or better in Video 1*

- **Grades 10-12**

5 credits

VIDEO PRODUCTION/MEDIA COMMUNICATIONS 3 - This advanced course is designed for students with career aspirations in communications. Students will have the opportunity to write, film, and edit a daily news show that will be broadcast to the Lakeland and local community via YouTube. Students will also create a bi-weekly Lakeland Morning Show with long-form segments and storytelling. The creation of a music video or short film will also be accomplished during the school year. *Prerequisite: "C" or better in Video 2*

- **Grades 11-12**

5 credits

VIDEO PRODUCTION/MEDIA COMMUNICATIONS 4 - This advanced course is designed for students with career aspirations in any communications field. Students will continue working on the daily news show that will be broadcast to the Lakeland and local community via YouTube. Students will also aid in the creation of a bi-weekly Lakeland Morning Show with long-form segments and storytelling. Other long-form storytelling projects will be completed throughout the school year. *Prerequisite: "C" or better in Video 3*

- **Grade 12**

5 credits

PODCASTING & BROADCAST MEDIA - This is a novice media course designed to introduce students to podcasting and different forms of broadcast journalism. The course will focus on podcasting, with projects based on student interests and Lakeland-specific topics. TV and radio broadcasting will also be covered in the course, giving students a comprehensive introduction to the function of broadcast journalism. The course will discuss the role of media in society and how society has impacted news media.

- **Grades 9-12**

5 credits

STUDYING FILM: COBF 2212 (PROJECT ACCELERATION) – This course will explore the progression of films from the early days of silent films through the glory days of major Hollywood productions and into the current era of independent filmmaking. Each film unit will conclude with students writing and in depth essay report on one of four topics: Film Technique, Conflict, Character Growth, or Film Genre. College credit may be earned. See Project Acceleration details. *Prerequisite: "C" or better in prior English course*

- **Grades 11-12**

5 credits

FILMMAKING – This course will discuss film genres and explore filmmaking techniques. Students will study the methodology of film production through the practical applications of brainstorming script ideas, creating proposals, scripting, shot planning and storyboarding, shooting, and digitally editing short films. Similarly related projects such as music videos and public service announcements will also be produced. A goal of the class will be to create projects that can be submitted to the Passaic County Film Festival. *Prerequisite: "C" or better in Video Productions 1 OR Studying Film.*

- **Grade 11-12**

5 credits

WORLD LANGUAGES DEPARTMENT

To support the growth of New Jersey's economy as we move through the 21st century, our state needs educated citizens whose multilingual abilities and multicultural sensitivities prepare them to work in a pluralistic society and a global economy. In order to meet this challenge and broaden the personal and professional opportunities of Lakeland students, the World Language Department seeks to prepare our students to communicate in other languages and to develop the understanding needed to operate in differing cultural contexts.

World languages are an essential part of the education of all students. The primary goal of a world language program is effective communication. Culture is also a part of world language learning. All students are required to complete 5 credits of a World Language. Any level will satisfy this requirement and the course must be taken in sequence.

ITALIAN 1 – This course is designed to have students use the interpersonal, presentational and interpretive modes of communication at the novice mid/high proficiency level. Students will use dialogue, games, written and oral projects, readings, grammar drills and repetition to communicate and aid in the acquisition of the Italian language. Students will use the present and past tenses of Italian to talk about topics such as themselves, family, school and community. Students will be introduced to the culture, customs and geography of Italy.

- **Grades 9-12**

5 credits

ITALIAN 2 – This course focuses on increased conversation and writing at the novice high proficiency level. Students will communicate using the present, past and future tenses. Level two will increase the students' knowledge of vocabulary and grammar used to communicate on topics such as travel, shopping, jobs, homes and health. Italian culture, customs and geography are studied in greater depth. *Prerequisite: Passing grade in Italian 1*

- **Grades 10-12**

5 credits

SPANISH 1 FOUNDATIONS – This modified level program is for those students who have not yet developed the skills and abilities necessary to perform successfully in a standard level World Language class. Students will focus on vocabulary development, spoken language practice, listening comprehension, and cultural studies. Although it does not count as a college preparatory class, this class will satisfy the graduation requirement of one year of a world language. Students who wish to continue the study of Spanish and this must enroll in the standard level Spanish 1.

- **Grades 9-12**

5 credits

SPANISH 1 – Fundamental skills are developed through emphasis on correct pronunciation and introduction of basic vocabulary. Subject matter is presented in units affording the student the ability to understand, read, write, and speak in Spanish. Skills are practiced through individual and group participation and use of audio-visual materials and interactive software applications.

- **Grades 9-12**

5 credits

SPANISH 2 - The second year builds on the four basic language skills; listening, speaking, reading, and writing. Students will continue to expand their competency in grammar and will further develop their vocabulary. Readings, audio tapes, and video tapes provide opportunities to learn about the life and customs of Spanish speaking people. *Prerequisite: Passing grade in standard Spanish 1*

- **Grades 9-12**

5 credits

SPANISH 3 – This third year course is designed to stress language as a means of communication. The aims are to increase competence in understanding Spanish when spoken, to develop an increasing ability to speak Spanish correctly with clarity, and to refine grammar skills applicable to reading and writing. Literary excerpts and contemporary short stories increase the ability to read new materials with direct comprehension and appreciation. *Prerequisite: "B" or better in Spanish 2*

- **Grades 10-12**

5 credits

SPANISH 4 HONORS (H) – This course aims to integrate and extend the linguistic skills developed in the previous years of study. Selected readings, audio and visual resources, and internet projects expand and refine grammar skills and deepen knowledge of the target language cultures. Discussions of literature and advanced reading materials provide students with an opportunity for self-expression and improvement in communication skills. *Prerequisite: "B" or better in Spanish 3*

- **Grades 11-12**

5 credits

SPANISH ADVANCED PLACEMENT (AP) – This course stresses oral skills, grammar, for emphasizing the use of Spanish for active communication. Students considering this course must have a strong background in listening comprehension, speaking, reading, and writing. Students will be required to speak in Spanish as much as possible in the classroom and will be expected to read and write essays in Spanish on a weekly basis. Upon completion of this course the student may take the Spanish Language Advanced Placement assessment. *Prerequisite: "B" or better in Spanish 4 Honors and teacher recommendation*

- **Grade 12**

5 credits

SPECIAL EDUCATION PROGRAMS

LRHS offers a variety of specialized course models for students who are determined eligible for special education and related services and require specialized instruction. Emphasis is placed on education for each student within the general education setting when appropriate.

RELATED SERVICES – school based counseling, occupational therapy, physical therapy, speech/language therapy.

Each eligible student is assigned a case manager who will monitor a student's overall performance and shall coordinate the development of and monitor and evaluate the effectiveness of the student's IEP. The case manager and the student's school counselor take an active role in the development of a student's program and with the transition planning to facilitate post high school and vocational outcomes.

The following is a list of special education programs that are currently being offered around a single subject and are provided to students with disabilities by an appropriately certified teacher of students with disabilities and/or general education teacher. Modified electives run on a rotating basis.

IN-CLASS RESOURCE – The student shall be provided modifications to be the instructional strategies or testing procedures or other specialized instruction to access the general education curriculum in accordance with a student's IEP. (ICR)

OUT OF CLASS REPLACEMENT/RESOURCE – The general education curriculum and the instructional strategies may be modified based on the student's IEP. The remediation of skills will also be addressed in the program. (OCR)

MULTIPLE DISABILITIES (MD) – A program developed to address the needs of students who are in need of assistance with functional academic skill development and daily living skills training. These objectives are met through community based instruction and work-based learning experiences outside of the classroom so that transition to post high school employment goals and objectives can be addressed.

LAKELAND EDUCATIONAL AUTISM RESOURCE NETWORK (LEARN) – A program created to accommodate the needs of students who may have a diagnosis that falls within the Autistic Spectrum. The program provides functional academic skill development. Daily living skills preparation, and social skills training through a variety of least restrictive educational options such as self-contained and in class support resource programs. In addition to the instruction provided on site at LRHS learning objectives are also met through community based instruction and structured learning experiences, within the local community.

C.O.R.E. (CAREER ORIENTATION RESOURCE EDUCATION) - CORE is a school-to-work program designed to help students achieve workplace readiness and provide actual work experience in the classroom. Through the use of discussion, role playing, field trips, technology and work experiences in the school and community, students will learn the skills needed to become actively employed.

S.T.E.P. (SCHOOL TO EMPLOYMENT PROGRAM) – LRHS' STEP program is a job training/transition program for high school students and young adults with special needs. STEP provides students with vocational education and social skill development as part of their Individualized Education Program (IEP). The focus is improving future opportunities for competitive employment, post-secondary education, and independent living. STEP offers real world, hands-on training through job sampling, career readiness, and life-skill preparation.

ENGLISH 1 OCR – The English 1 general education curriculum and the instructional strategies are modified based in this course. The remediation of skills will also be addressed in this program. Units of study address the New Jersey Student Learning Standards in Language Arts including grammar, vocabulary, listening, reading, writing, and state testing assessment preparation. Small group and individualized instruction are provided.

- **Grade 9**

5 credits

ENGLISH 2 OCR - The English 2 general education curriculum and the instructional strategies are modified based in this course. The remediation of skills will also be addressed in this program. Units of study address the New Jersey Student Learning Standards in Language Arts including grammar, vocabulary, listening, reading, writing, and state testing assessment preparation. Small group and individualized instruction are provided.

- **Grade 10**

5 credits

ENGLISH 3 OCR - The English 3 general education curriculum and the instructional strategies are modified based in this course. The remediation of skills will also be addressed in this program. Units of study address the New Jersey Student Learning Standards in Language Arts including grammar, vocabulary, listening, reading, writing, and state testing assessment preparation. Small group and individualized instruction are provided.

- **Grades 11-12**

5 credits

ENGLISH 4 OCR - The English 4 general education curriculum and the instructional strategies are modified based in this course. The remediation of skills will also be addressed in this program. Units of study address the New Jersey Student Learning Standards in Language Arts including grammar, vocabulary, listening, reading, writing, and state testing assessment preparation. Small group and individualized instruction are provided.

- **Grades 11-12**

5 credits

ALGEBRA 1 OCR – The Algebra 1 general education curriculum and the instructional strategies are modified based in this course. The course focuses on traditional Algebra 1 concepts but at a modified pacing schedule. In the preliminary unit the concentration is on developing stronger mathematical foundations before progressing into the traditional algebra course of study.

- **Grade 9**

5 credits

Geometry OCR – The Geometry general education curriculum and the instructional strategies are modified based in this course. The course is designed to place an emphasis on the discovery and applications of geometric theorems, such as parallel and perpendicular lines, angles, and their measures, congruency, perimeter, area, volume, and a review of algebraic concepts. Students will also review for state standardized assessments.

- **Grade 10**

5 credits

ALGEBRA 2 OCR - The Algebra 2 general education curriculum and the instructional strategies are modified based in this course. The course reviews the basic structure of Algebra and the real number system. Emphasis is on the relations and functions and their graphs, including inequalities, linear equations, and quadratic functions. Students will study matrix operations and solving linear equations. This course extends the number system to include complex numbers.

- **Grade 11-12**

5 credits

ENVIRONMENTAL SCIENCE OCR (Lab) – This modified course combines remediation of basic science skills with the required content in Environmental Science. The focus of this course is the study of the environment and the impact of human activity on environmental quality. Because environmental issues are broad in scope, knowledge and understanding from different perspectives in biological and physical science, as well as social sciences, are developed. Individual laboratory work and projects are designed to develop observational and problem solving skills, critical thinking, and promote sound environmental practices. The curriculum is modified to meet the needs of the students and is based on the student’s IEP. Small group and individualized instruction are provided.

- **Grades 9**

5 credits

BIOLOGY 1 OCR (Lab) – This modified course combines remediation of basic science skills with required content in Biology. The course of study in Biology 1 involves the study of origin and evolution of life, its molecular and cellular structure, its inheritance, and its relationship to the environment. Many areas presented are supported by individual laboratory work that is designed to develop observational skills, problem solving skills, and lab techniques. The curriculum is modified to meet the needs of the students and are based on the student’s IEP. Small group and individualized instruction are provided.

- **Grade 10**

5 credits

CONCEPTUAL PHYSICS OCR (Lab) – This modified course combines remediation of basic science skills with required content in Conceptual Physics. In this course the physical world of lifeless matter involving no chemical changes is studied. The central concepts of motion of objects, forces, heat, light, sound, electricity, and other concepts of modern physics are studied. Problem solving, application of concepts and laboratory activities are also components of this course. The curriculum is modified to meet the needs of the students and is based on the student’s IEP. Small group and individualized instruction are provided.

- **Grades 11-12**

5 credits

WORLD HISTORY OCR – The world history general education curriculum and the instructional strategies are modified based in this course to address New Jersey studies, United States Geography, and select topics in the area of World History and World Cultures.

- **Grade 9**

5 credits

U. S. HISTORY 1 & 2 OCR - U.S. History 1 follows the development of the United States from the Revolutionary period to the end of the nineteenth century. Topics include the American Revolution, the Constitution, national growth, the Civil War and its aftermath, and the rise of industrial and urban America.

U.S. History 2 follows the development of America as a world power, the Progressive Era, World War I, the Great Depression, World War II, and the Cold War, the struggle for civil rights and progressing to present day. Current events will be used to keep students abreast of present day occurrences.

- **Grades 10-11**

5 credits

STUDY SKILLS - This course is designed to assist students in increasing their skills in the mechanics of study and guides them toward self-direction in their mainstream subject areas. The emphasis is on the development of outlining, note taking and summarizing skills and the development of efficient study patterns.

- **Grade 9**

5 credits

MULTISENSORY READING 1-4 - This course is specifically designed to provide individualized reading instruction for special needs students. Individual diagnostic instruments will be utilized to determine specific weaknesses. Emphasis will be on the correction and improvement of reading difficulties. Instructional materials will include computer software programs to increase vocabulary and comprehension and reading selections from the content areas.

- **Grades 9-12**

5 credits

C.O.R.E. (CAREER ORIENTATION RESOURCE EDUCATION) - CORE is a school-to-work program designed to help exceptional students achieve workplace readiness and provide actual work experience in the classroom. Through the use of discussion, role playing, field trips, technology and work experiences in the school and community, students will learn the skills needed to become actively employed.

- **Grades 9-12**

5 credits

S.T.E.P. (SCHOOL TO EMPLOYMENT PROGRAM) – LRHS' STEP program is a job training/transition program for high school students and young adults with special needs. STEP provides students with vocational education and social skill development as part of their Individualized Education Program (IEP), improving future opportunities for competitive employment, post-secondary education, and independent living. STEP offers real world, hands-on training through job sampling, career readiness, and life-skill preparation.

- **5 Credits**

PERSONAL FINANCIAL LITERACY MODIFIED - This fundamental course of study aims to teach and reinforce the very basic concepts of money and consumerism. As consumers in a local and world economy, students must understand the role of money in their lives, specifically, how money/ income is earned, how money is saved, and how money is spent. Core subject content for this course includes: hourly pay rates, calculating gross wages, savings accounts, checking accounts, interest rates, balancing a checkbook, payment and making change, taxable and non-taxable items, calculating tax, calculating tips, and time-permitting loans. This course satisfies the state requirement for personal financial literacy.

- **Grades 9-12**

2.5 credits

ART 1-4 MODIFIED - This beginning course is designed for the exceptional student who needs a replacement resource center environment. This hands-on course introduces the students to a variety of tools, materials and methods used in creative artwork. The elements of design are taught as students explore contemporary and traditional artists and how their work has impacted our lives and culture. The course may be taught by a teacher certified in Art or a teacher of the handicapped.

- **Grades 9-12**

5 credits

EXPLORING MUSIC 1-4 MODIFIED - This beginning course is designed for the exceptional student who needs a replacement resource center environment. This course will explore such topics as what makes sound, how sounds are produced, types of musical instruments, styles of music, including rock, jazz, and symphonic, and music in films and musicals. Students will have the opportunity for hands-on experience with percussion instruments and keyboards.

- **Grades 9-12**

5 credits

SPANISH 1 MODIFIED - This is the beginning course in Spanish language and culture for the exceptional student who requires a replacement resource center environment. This course is taught by a teacher certified in Spanish and fulfills the local multicultural awareness requirement and the New Jersey Department of Education World Language requirement.

- **Grades 9-12**

5 credits

PERSONAL FITNESS & WELLNESS 1-4 MODIFIED – The purpose of this course is to enable students to develop an understanding of fitness concepts and design a modified personal fitness program while developing an individualized level of health related activities. In this course students will be introduced to a broad array of topics within the exercise science and fitness fields while participating in a hands-on interactive environment.

- **Grades 9-12**

5 credits

NEW JERSEY AND CITIZENSHIP – Allowing 21st learners to transcend the limits of time and place and experience historical New Jersey events through a variety of methods including project and web based learning. LRHS students will develop an increased depth of understanding of our society. At the same time increasing their understanding of the fundamental principles and values of American democracy and citizenship which provides the conceptual framework to make informed decisions about local issues and challenges.

- **Grades 9-12**

5 credits

TECHNOLOGY IN THE 21ST CENTURY – The purpose of this course is to enable students to prepare for the future with technical knowledge and digital literacy. Students will gain practical experience with electronic and online skills necessary to fulfill their roles as digital citizens. Internet safety, digital responsibilities, and identity theft will also be addressed. Each student will create an internally hosted website to showcase their work.

- **Grades 9-12**

5 credits

FOODS & NUTRITION 1-4 MODIFIED – This course will provide students with the skills necessary to prepare healthy and nutritious meals and snacks while maintaining kitchen safety and sanitation standards. Basic cooking techniques, food science principles and nutrition are emphasized. Creativity, healthy choices, and personal nutrition are encouraged in this hands-on lab course.

- **Grades 9-12**

5 credits

HEALTH 1-4 MODIFIED – This modified course is provided to students participating Adaptive PE. It introduces the foundations within health – mental and emotional well-being, relationships, peer and family communication, substance abuse, and decision making skills. The course helps students work independently and cooperatively to achieve their highest level of performance and become lifelong learners.

- **Grade 9**

1.25 credits

ENGLISH LANGUAGE LEARNING (ELL) PROGRAM

The goal of the English Language Services program is to prepare our students for success in their English-speaking content area classrooms and for life in the United States. Additionally, students are assisted in preparing for high stakes high school tests. A student may transition out of the English Language Services from any of the following ELS classes when they pass the exit requirements.

ESL 1 - This class aims to provide students with the skills in speaking, listening, reading, and writing to successfully participate and learn in an English-speaking classroom. The ESL class delivers direct English language instruction as well as provides support for the materials and curriculum taught in the content area classes. If a student passes the exit requirements, which include reading, writing, speaking and listening components, they are transitioned into the regular schedule with minimal support.

- **Grades 9-12**

5 credits

ESL 2 - This course builds on ESL 1 with a focus on facilitating success in the content-area classes. Areas of focus include development of content area vocabulary, reading strategies and critical writing. In addition, students will begin work on skills and activities to prepare them to successfully perform on the state testing assessment. If a student passes the exit requirements, which include reading, writing, speaking and listening components, they are transitioned into the regular schedule with minimal support.

- **Grades 10-12**

5 credits

ESL 3 - This course continues to develop all the skills addressed in ESL 2, with particular emphasis on more advanced vocabulary, writing skills, and fluency in all communication. Continued support for content area material is provided along with preparation for high stakes testing. If a student passes the exit requirements, which include reading, writing, speaking and listening components, they are transitioned into the regular schedule with minimal support.

- **Grades 11-12**

5 credits

ESL 4 - This course continues to develop all the skills addressed in ESL 3, with particular emphasis on more advanced vocabulary, writing skills, and fluency in all communication. Continued support for content area material is provided along with preparation for high stakes testing. If a student passes the exit requirements, which include reading, writing, speaking and listening components, they are transitioned into the regular schedule with minimal support.

- **Grades 11-12**

5 credits

LAKELAND REGIONAL HIGH SCHOOL-EXTRACURRICULAR ACTIVITIES

All School Production	Lakeland Service Club
Art Club	LASO (Latin American Student Organization)
Band	LEAP (Leaders Encouraging Adolescent Progress)
Business Honor Society	Math League
Cake Decorating Club	National Honor Society
Chess Club	Nature/Hiking Club
Chorale and Chamber Singers	Philosophy Club
Co-ed Coders Club	Phoenix Literary Magazine
Culinary Cooking Club	Ping Pong Club
DECA	Robotics Team
DEM Club (Dedicated Education to Medicine)	SADD (Students Against Destructive Decisions)
Drama Club	Safe Space
Dungeons and Dragons Club	Senior Class Council
ERASE (End Racism and Sexism Everywhere)	Sophomore Class Council
Federal Challenge	Spanish Honor Society
Fishing Club	Student Advocacy Club
French Club/French Honor Society	SWAP (Speak With A Peer)
Freshman Class Council	Student Council
FBLA	Tri-M Music Honor Society
Journalism Club	Yearbook
Junior Class Council	Yoga

LAKELAND REGIONAL HIGH SCHOOL-ATHLETIC PROGRAMS

FALL SEASON

BOYS	GIRLS
Freshman Football	Junior Varsity Field Hockey
Junior Varsity Football	Varsity Field Hockey
Varsity Football	Varsity & JV Cheerleading
Freshman Soccer	Freshman Soccer
Junior Varsity Soccer	Junior Varsity Soccer
Varsity Soccer	Varsity Soccer
Freshman Cross Country	Freshman Cross Country
Junior Varsity Cross Country	Junior Varsity Cross Country
Varsity Cross Country	Varsity Cross Country
	Freshman Volleyball
	Junior Varsity Volleyball
	Varsity Volleyball
	Junior Varsity Tennis
	Varsity Tennis

WINTER SEASON

BOYS	GIRLS
Freshman Basketball	Freshman Basketball
Junior Varsity Basketball	Junior Varsity Basketball
Varsity Basketball	Varsity Basketball
Varsity & JV Bowling CoEd	Varsity & JV Bowling CoEd
Junior Varsity Ice Hockey	Junior Varsity Cheerleading
Varsity Ice Hockey	Varsity Cheerleading
	Varsity Dance
Indoor Track	Indoor Track
Junior Varsity Wrestling	Junior Varsity Fencing
Varsity Wrestling	Varsity Fencing
Junior Varsity Swimming	Junior Varsity Swimming
Varsity Swimming	Varsity Swimming

SPRING SEASON

BOYS	GIRLS
Freshman Baseball	Freshman Softball
Junior Varsity Baseball	Junior Varsity Softball
Varsity Baseball	Varsity Softball
Varsity & JV Golf CoEd	Varsity & JV Golf CoEd
Freshman Track	Freshman Track
Junior Varsity Track	Junior Varsity Track
Varsity Track	Varsity Track
Junior Varsity Volleyball	Junior Varsity Lacrosse
Varsity Volleyball	Varsity Lacrosse
Junior Varsity Tennis	
Varsity Tennis	
Junior Varsity Lacrosse	
Varsity Lacrosse	

ATHLETIC ELIGIBILITY

ELIGIBILITY RULES APPLY TO ALL FRESHMAN, SOPHOMORE, JUNIOR VARSITY, AND VARSITY teams representing 9th grade or High School (Girls and Boys).

- ELIGIBLE if a student has not reached the age of 19 prior to September 1st.
- ELIGIBLE during the first semester (September 1st to January 31st) if a student is passing 25% of the credits required by the State of New Jersey for graduation during the immediate preceding academic year (i.e. 30 credits). ELIGIBLE for second semester (February 1st to June 30th) a pupil must be passing the equivalent of 25% of the credits required by the State of New Jersey for graduation at the close of the preceding semester (January 31st) i.e. 30 credits.
- ELIGIBLE immediately if transferring because of a change of residence to another public secondary school district by parents or as approved by the Executive Committee.
- ELIGIBLE after thirty (30) days from entrance onto present school if they have played in a varsity contest and if transferring from one school to another when parents have not moved from one public school district to another public school district and only after Transfer Waiver Form has been completed and processed by both schools.
- ELIGIBLE if no influence has been used to retain or to recruit the student.
- ELIGIBLE to represent his/her present school, if a student's parents move to another public school district maintaining a secondary school of equal grade or higher provided they remain properly subject to the transfer provisions.
- NOT ELIGIBLE after the completion of 8 semesters following a student's entrance into the 9th grade.
- NOT ELIGIBLE after the class in which a student originally enrolled graduates, regardless of transfer from any school during the 3 or 4 year period.
- NOT Eligible for thirty (30) days from entrance into present school if they have played in a varsity contest and if transferring from one school to another when parents have not moved from one public school district to another regardless of the reason. Not eligible until the "Transfer Waiver Form" has been processed.

SUMMER WORKOUTS

The weight room (fitness center) is open 3 days per week during the summer for any LRHS student to use. Many athletic teams will have non-mandatory workouts during late June, July and early August. The summer weight room workout schedule will be posted on the LRHS website under Athletics. There will be a 9 day no contact, blackout period (usually the last week of July) where no workouts, practices, and activities are allowed. Athletes and coaches are encouraged to vacation during this time as all facilities will be closed during the blackout period.

FALL SPORTS

All fall sports begin practice at various dates in August, with most teams beginning by August 15th. Please plan vacations prior to this date. Start dates will be posted on the LRHS website under Athletics.

WINTER SPORTS

Hockey and Bowling will begin on November 15th. All other winter sports practices do not start until the Monday after Thanksgiving. No player may be involved in an interscholastic scrimmage or game until that player has had 6 (six) days of practice in that sport.

SPRING SPORTS

Spring sports begin the first Friday in March.

The season for each school ends with the last regularly scheduled game or state tournament game for that school. No interscholastic games other than the state tournament may be played after the Saturday preceding the start of the tournament.

Competition in Adult League or any Non-School Competition: Any member of an NJSIAA team who completes in any adult league or non-school competition (at any time of the year), and accepts prize money or merchandise as a prize at the end of the season, or at the completion of the event, or who participates in any event, exhibition, or program for pay or accepts cash or merchandise from any party for a display of his/her athletic ability on a gratis, discount basis or loan in any sport, shall immediately become ineligible for one year for further participation on any interscholastic sports activity conducted by the NJSIAA, and any games in any sport in which they have competed are forfeited.

NCAA Eligibility:

Students interested in being eligible for NCAA college sports should register with the NCAA Clearinghouse at www.ncaaclearinghouse.net and should consult their website for eligibility requirements pertaining to GPA, standardized testing scores, number of core course, as well as other eligibility requirements. Students and parents should consult NCAA website as early as freshman year to ensure that all requirements are met.

EXAMPLE OF 9th GRADE SCHEDULE

LRHS operates a scheduling format consisting of five eighty minute blocks on an A Day/B Day model. On an A Day a student is scheduled for four eighty minute courses, a forty minute lunch, and a forty minute study hall. The B Day schedule follows the same format, but with a different set of courses.

	A-DAY	B - DAY
BLOCK 1	Italian I	Journalism
BLOCK 2	Geometry CP ADV	World History CP ADV
BLOCK 3	Lunch/ Study Hall	Lunch/ Study Hall
BLOCK 4	English 1 CP –ADV	Physical Education/Health
BLOCK 5	Ceramics & Sculpture	Science