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PART I - COURSE SELECTION AND GRADUATION PLANNING

Part of the mission of Lake Region Union High School is to ensure that students have the maximum range of opportunities available to them upon graduation. To achieve this goal students are empowered to take charge of their education. This is a seven-step process:

1. **Develop your Personalized Learning Plan (PLP)** that reflects your interests, abilities, passions and talents, preparing you to take the next steps toward meeting your goals over the next four years at Lake Region. Your LRfolio will guide you as you move toward fulfilling the Lake Region Graduation Requirements.
2. **Know yourself!** Discover your interests, abilities, passions and talents through discussions with family, counselors, teachers, mentors, etc., and through various interest and career decision making tools that you will be exposed to at Lake Region.
3. **Select your Path** for a post-graduation plan, eventually leading to a career and the required education or training.
4. **Set your Goals** while exploring career opportunities and developing your post-graduation plan.
5. **Create your Plan!** The steps you will take towards meeting your goals to accomplish your post-graduation plan.
6. **Know all the courses and programs available** to you at Lake Region Union High School. This includes all the core courses and electives shown in Part III, as well as the programs offered at the North Country Career Center (NCCC) shown in Part IV.
7. **Carry out your plan!** This plan should be revisited and refined at least once a year with your school counselor.

Graduation Requirements

Students must earn a minimum of 23 credits to receive a Lake Region diploma. Students must successfully complete:

- | | | |
|-----|-------------------------------|---|
| 4 | Credits of English | Includes 1 credit of English 9 and 1 credit of English 10 |
| 3.5 | Credits of Social Studies | Includes 1 credit of World History and 1 credit of US History |
| 3 | Credits of Science | Includes 1 credit of Earth Science and 1 credit of Biology |
| 3 | Credits of Mathematics | |
| 1 | Credit either Math or Science | |

- 1 Credit of Fine Arts
- 1.5 Credits of Physical Education
- .5 Credit of Health Education
- .5 Credit Technology Applications Includes .25 credit for Senior LRfolio presentation
- 4.5 Credits of approved elective courses
- .5 Credit of Community Service-40 hours (students can earn up to 1 additional credit)

LRfolio

As part of the Lake Region Union High School (LR) experience, students will create an LRfolio as a final graduation requirement, in addition to passing courses. Receiving a Lake Region diploma is contingent upon preparation, submission, presentation and approval of an LRfolio. This is a four-year journey of self-discovery and celebration of a student's progress in achieving the LR Learning Expectations. The faculty and staff of Lake Region Union High School are very excited to see students grow as a student and a person. We hope that a student's four years here will be marked by achievement and a personal discovery of a student's life's passions through our curriculum, our extra-curricular offerings, and approved opportunities provided in the larger community.

Personalized Learning Plans (PLPs)

Exploration and Growth Through Discovery, Collaboration and Reflection

At Lake Region we are committed to personalized learning opportunities for all students. Students draft Personalized Learning Plans (PLPs) with their advisors, who guide them through the process. We hope to empower students to follow their interests and create their own learning opportunities as they meet the graduation requirements and prepare for life after high school. Our objective is to help students learn to set goals and reflect on their learning while making choices based on their plans for the future.

Academic and Personal Growth and Career Exploration

Academic Success:

- Build awareness of graduation requirements
- Advertise expanded learning opportunities
- Raise student aspirations
- Coordinate student supports
- Make learning relevant
- Engage students in planning to learn
- Provide opportunities for student reflection on learning
- Support LRfolio development and achievement of Learning Expectations

Career/College Exploration:

- Encourage students to explore careers
- Connect students to career opportunities and internships
- Encourage students to explore colleges and scholarship opportunities
- Assist in post-secondary transitions

Personal Development:

- Promote engagement and motivation
- Support reflection/life-long learning
- Strengthen decision-making and problem-solving skills
- Foster self-awareness and goal setting

Everyone has a role to play:

- Advisors: Support students in designing PLP's and provide opportunities for reflection
- Students: Connect interests and aspirations to learning opportunities and commit to personal development
- Parents: Collaborate with the team to help students engage in the PLP process at school, at home and in the community
- School Counselors: Provide oversight and support in the PLP process and connect students to expanded learning opportunities
- Community: Provide resources and support for expanded learning opportunities

Flexible Pathways -Opportunities for Personalized Learning at Lake Region

- ☐ Dual Enrollment College classes
- ☐ Early College
- ☐ Career and Technical Education
- ☐ Independent Learning Opportunities

- Virtual Learning (VTVLC)

How to Register for Courses

1. **Begin with this booklet.** Read all of parts 1 and 2. Part 3 contains descriptions of all the courses offered at the Lake Region Union High School. Part 4 contains all the courses and programs offered at the North Country Career Center in Newport.
2. **Long Range Plan.** Use the worksheet for a Four-Year Plan to show the courses you plan to take and when. Also keep track of the credits you have earned. If you would like a copy of your transcript to make sure of the credits you have actually earned, request one from your school counselor.
3. **Obtain recommendations from your current teachers for sequential courses.**
4. This is especially important for math and science, all AP courses, and any course which does not follow a normal sequence, such as taking two math or science classes at the same time. Discuss Social Studies elective courses with your current teacher. English elective sign-ups will be done with your English teacher.
5. **Complete course sign-up sheet.** Counselors will visit English and Social Studies classes to distribute course sign-up information. See your current teachers to get their signatures.
6. **Submit the completed and signed Course Sign-up form to the School Counseling Office.**
7. The sooner this step is completed, the sooner you will meet with your counselor, and the greater the likelihood you will get the courses you want.
8. **Students will receive their schedules in the spring to review with their counselor.** This will be your only opportunity to make changes. Schedules should be finalized before leaving for summer vacation.
9. **Counselors will meet with any student and/or parent who has questions.** Parents are encouraged to call the School Counseling Office if they want to have a meeting. Students with questions and/or concerns need to schedule an appointment to meet with their counselor. Schedule requests are entered into the master scheduling program, with course offerings being subject to sufficient enrollment numbers.
10. **When students return to school in the fall, schedule changes will only be made for the most valid reason and only with the expressed approval of the high school principal.**
11. **Driver Education Sign-up Deadline:**
 - The **deadline** to register for **Fall** Driver Education is the last day of the 3rd quarter/term of the preceding school year.
 - The **deadline** to register for **Spring** Driver Education is the last day of the 1st quarter/term.
 - The **deadline** to register for **Summer** Driver Education is the last day of the 2nd quarter/term.

Sample High School Educational Plans for Various College & Career Programs

The following examples of post-high school requirements are only samples. A student who is interested in attending a college, university, or technical school should read the catalogue of that school to find the particular requirements needed to be accepted. The student should also make an appointment with his/her counselor **very early in the process** so that questions and concerns can be worked out. The vast majority of colleges strongly recommend the knowledge and use of computers and internet research skills.

COLLEGE PREP I

(Service Academies, Ivy League Schools and other highly competitive schools)

English	<i>4 years (including AP English)</i>
Social Studies	<i>4 years (including AP US History and/or AP Psychology)</i>
Mathematics	<i>4 to 5 years (Algebra I, Geometry, Algebra II, Pre-Calculus and AP Calculus)</i>
Science	<i>4 years recommended (Biology , Chemistry, Physics and/or AP Biology)</i>
World Language	<i>3 years minimum, 4 years recommended of the same language</i>
Options	<i>Art, Music, involvement in extracurricular activities. Advanced Placement courses required.</i>

COLLEGE PREP II

(Competitive Colleges and State Universities)

English	<i>4 years</i>
Social Studies	<i>3 to 4 years</i>
Mathematics	<i>3 years minimum, 4 years recommended (Algebra I, Geometry, Algebra II, Pre-Calculus and AP Calculus for some majors)</i>
Science	<i>3 to 4 years (Biology, Chemistry, Physics and/or AP Biology)</i>
World Language	<i>2 years minimum, 3 years recommended of the same language</i>
Options	<i>Art, Music, involvement in extracurricular activities. Advanced Placement courses desirable and beneficial.</i>

The following is an example of the MINIMUM requirements for the University of Vermont

4 years of English 3 years of Social Studies
3 years of Mathematics 2 years of the same foreign language
3 years of Science (1 laboratory)
*Additional mathematics and/or science required in some programs (e.g. engineering, business, and allied health).

COLLEGE PREP III **(4 year colleges and Business Schools)**

English	<i>4 years</i>
Social Studies	<i>3 years</i>
Mathematics	<i>3 years (Algebra I, Geometry, Algebra II)</i>
Science	<i>3 years (including Biology, Chemistry, Physics)</i>
World Language	<i>2 years recommended of the same language</i>
Business Courses	<i>Marketing, Accounting, Advanced Office Systems, Desktop Publishing</i>
Options	<i>Music, Art, involvement in extracurricular activities.</i>

COLLEGE PREP IV **(2 year Colleges, Technical and Trade Schools)**

English	<i>4 years</i>
Social Studies	<i>3 years</i>
Mathematics	<i>3 years (Algebra I, Geometry, Algebra II)</i>
Science	<i>3 years (including Biology, Chemistry, Physics)</i>
World Language	<i>Optional, however 1 or 2 years recommended of the same language</i>
Technology Courses	<i>Technical/Vocational Course Offerings</i>

The following is an example of the MINIMUM requirements for Vermont Technical College

<i>4 years of English</i>	<i>3 years of Social Studies</i>
<i>3-4 years of Mathematics</i>	<i>3 years of Science (1-2 laboratory)</i>

Course Summary for 2026-2027

Course Number	Department and Course Title	For Grades	Credit Per Sem./Yr.	Prerequisites and Comments
BUSINESS/COMPUTER				
60103	Technology Applications	9-12	.5	
60105	Tech Skills & Leadership 21st	9-12	.5	60103
60110	Microsoft Word	9-12	.5	60103
60111	Microsoft Excel	9-12	.5	60103
60112	Microsoft Access	9-12	.5	60103
60113	Microsoft PowerPoint	9-12	.5	60103
60115	Computer Applications	11-12	.5	60103
60114	Advanced Office System	12	1	60103 and 60115
60122	Accounting I		1	
60123	Accounting II		1	60122
60129	Programming in HTML	9-12	.5	
60130	Programming in CSS	9-12	.5	60129
60132	Programming in JavaScript	9-12	.5	60129
60133	Programming in PHP	9-12	.5	60129
60127	3-D Modeling & Animation	9-12	.5	
70158	C++ Programming for Robotics	9-12	.5	

DRIVER EDUCATION

07001	Driver Education S1	10-12	.5	Must be full-time student,
07002	Driver Education S2	10-12	.5	also offered in the summer.

Course Number	Department and Course Title	For Grades	Credit Per Sem./Yr.	Prerequisites and Comments
ENGLISH				
10111	Honors English 9	9	1	9 th grade English courses will
10112	English 9	9	1	be approved collaboratively
10106	Humanities 9	9	1	by school counselor
10105	Humanities Learning Skills (elective)	9	1	& teacher of record (8 th)
10114	Honors English 10	10	1	
10115	English 10	10	1	
10116	General English 10	10	1	
10142	Survival Stories	11-12	.5	
10145	War Stories	11-12	.5	
10158	Song Lyrics	11-12	.5	
10107	Graphic Novels	11-12	.5	
10149	Horror and Apocalypse	11-12	.5	
10120	Basic Composition	11-12	.5	
10124	Composition	11-12	.5	
10133	Creative Writing	11-12	.5	
10132	Literature of Vermont	11-12	.5	
10130	Popular Fiction	11-12	.5	
10131	Mythology	11-12	.5	
10122	Science Fiction	11-12	.5	
10143	Public Speaking	11-12	.5	
10134	Reading Movies	11-12	.5	
10139	AP English Language & Comp.	11	1	10114
10136	AP English Literature & Comp.	12	1	
70173	Senior Writing Workshop	12	.5	

Course Number	Department and Course Title	For Grades	Credit Per Sem./Yr.	Prerequisites and Comments
FINE ARTS				
MUSIC				
95111	Beginning Music Composition	9-12	.5	
95112	Advanced Music Composition	9-12	.5	
95103	Chorus	9-12	.25	
95104	Jazz Band	9-12	1	permission
95105	Select Chorus	9-12	.25	95103 & permission
95116	Classical & World Music Exploration	9-12	.5	
95106	Music Theory for Singers	9-12	.5	
	Solo & Ensemble Singing	9-12	.5	
95114	AP Music Theory	11-12	1	
95115	American Popular Music	9-12	.5	
91131	Piano Lab	9-12	.5	
THEATER				
70172	Theater (Fall)	9-12	.25	
70175	Theater (Spring)	9-12	.25	
VISUAL ARTS				
90100	2-Dimen. Art - Fall	9-12	.5	
90101	2-Dimen. Art - Spring	9-12	.5	
90102	3-Dimen. Art - Fall	9-12	.5	
90103	3-Dimen. Art - Spring	9-12	.5	
90104	Advanced Art - Indep. Study	11-12	1	2 credits of Intro to Art
90105	Digital Photography	11-12	.5	90100 and 90102
1 credit total				

Course Number	Department and Course Title	For Grades	Credit Per Sem./Yr.	Prerequisites and Comments
MATHEMATICS				
40110	Essentials Math I	9-10	1	
40111	Essentials Math II	9-10	1	40110
40100	Pre-Algebra	9-10	1	
40113	Consumer Mathematics	10-11	1	40110 and 40111
40101	Algebra I	9-11	1	
40103	Honors Algebra I	9-10	1	Permission
40105	Geometry	9-11	1	40101
40127	Summer Geometry	10	1	Sophomore standing
40106	Honors Geometry	9-10	1	40103 w/B or > or perm.
40102	Algebra II	10-12	1	40105
40104	Honors Algebra II	10-11	1	40106 w/B or > or perm.
40108	Pre-Calculus	11-12	1	40102
40112	Business Mathematics	12	1	Senior Standing
40107	Honors Pre-Calculus	11-12	1	40104 or 40102 w/B or >
40114	AP Statistics	11-12	1	40104 or 40108
40109	AP Calculus	12	1	40107 and permission

PHYSICAL EDUCATION/HEALTH

00001	Entry Physical Education	9	.5	
00012	Health Education	9	.5	
00005	Fitness/Weightlifting	10-12	.5	00001
00006	Team Sports	10-12	.5	00001
00008	Individual/Net Sports	10-12	.5	00001
80113	Personal Wellness	10-12	.5	

Course Number	Department and Course Title	For Grades	Credit Per Sem./Yr.	Prerequisites and Comments
SCIENCE				
50101	Honors Earth & Space Science	9	1	
50103	Earth & Space Science	9	1	
50105	Applied Earth & Space Science	9	1	
50112	Honors Biology	10	1	50101
50127	Biology	10	1	50103
50129	Applied Biology	10	1	50105
50117	Honors Chemistry	11-12	1	50101 & 50112
50116	Chemistry	11-12	1	50103 & 50127
50111	Anatomy & Physiology	11-12	1	50116
50121	AP Physics I	11-12	1	40102 & permission
50107	Physics	11-12	1	40102
50122	AP Biology	11-12	1	50112, 50117, enrolled in 40102 & permission
50134	Jr/Sr Integrated Science	11-12	1	50103, 50127 & permission
50133	Locavore Science	11-12	.5	50127 & 40101
xxxxx	Forensic Science	11-12	.5	
50124	Climate Science	11-12	.5	50127 & 40101

SOCIAL STUDIES

20104	Honors World History	9	1	
20106	World History	9	1	
20108	World History Humanities	9	1	
20110	Honors US History	10	1	20104
20112	US History	10	1	20106
20114	US Humanities	10	1	20108
20122	Global Citizenship	11-12	1	
20119	Street Law	11-12	.5	20112, 20113
20124	Vermont & Local Studies	11-12	.5	20112, 20113
21120	Psychology	11-12	.5	
xxxxx	History and Film	11-12	.5	
xxxxx	Comparative Religions & Cultures	11-12	.5	
20133	History of War and Warfare I	11-12	.5	
21121	Holocaust and Genocide	11-12	.5	
20123	Spycraft	11-12	.5	
20109	AP US Government & Politics	11-12	1	20110/11 w/B or > or 3 S.S. credits
20120	AP Psychology	11-12	1	20110/11 w/B or > or 3 S.S. Credits
91181	AP Human Geography	11-12	1	

Course Number	Department and Course Title	For Grades	Credit Per Sem./Yr.	Prerequisites and Comments
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TECHNICAL/VOCATIONAL

60134	2-D CAD	9-12	.5	60134
60135	3-D CAD	9-12	.5	
70143	Art of Welding	9-12	.5	
70171	Alternative Energy & Sustainability	9-12	1	
70108	Horticulture/Greenhouse Mgmt.	9-12	1	
70109	Natural Resources	11-12	1	
70105	Creative Woodworking	9-12	.5	

WORLD LANGUAGES

30100	French I	9-12	1	Course 30100 or permission Course 30102 or permission Course 30103 or permission
30102	French II	9-12	1	
30103	French III	10-12	1	
30104	French IV	10-12	1	
30110	Spanish I	9-12	1	30110 or permission 30111 or permission 30112 or permission
30111	Spanish II	10-12	1	
30112	Spanish III	10-12	1	
30113	Spanish IV	10-12	1	

OTHER

80110	Intro. To Helping Careers	10-12	.5	06101
06100	Yearbook Class	10-12	1	
06101	Television Media I	9-12	.5	
06102	Television Media II	9-12	.5	

EXPANDED LEARNING OPPORTUNITIES

91175	Dual Enrollment and VTVLC	11-12		See Mr. Chamberlin Determined based on Learning Agreement
91184	Independent Learning Opportunities	11-12		

Equivalent Credits

Successful completion of the courses listed below may fulfill graduation requirements in the following areas:

***FINE ARTS**

2-D CAD - 1/2 credit

3-D CAD - 1/2 credit

Computer Programming (HTML and CSS) – 1/2 credit

3-D Modeling/Animation w/Blender – 1/2 credit

TV Media I – 1/2 credit

TV Media II – 1/2 credit

Yearbook Class- 1 credit (must complete full year)

Creative Woodworking – 1/2 credit

Art of Welding – 1/2 credit

***MATH**

Accounting I - 1 credit

***SCIENCE**

Alternative Energy & Sustainability-1 credit

Horticulture/Greenhouse Management – 1 credit

Natural Resources-1 credit

***SOCIAL STUDIES**

Classical & World Music Exploration – 1/4 credit

American Popular Music – 1/4 credit

North Country Career Center - Refer to Page 70 for a list of course offerings.

PART II - PROCEDURES AND PROGRAMS

Minimum Course Enrollment/ Grade Level Classification

Students in grades 9 to 12 are required to carry a minimum of 2 classes per term to be eligible for participation in extracurricular activities.

Students are assigned grade levels based on total accumulated credits during the previous years as follows:

Sophomores - 10th Grade.....At least 5 3/4 credits earned

Juniors - 11th Grade.....At least 11 1/2 credits earned

Seniors - 12th Grade.....At least 17 1/4 credits earned

Any student who falls below enrollment in minimum units of credit may be subject to their schedule being condensed or changed by the administration. All requests to enroll in fewer than the minimum units of study must be made through the School Counseling Office and approved by the Principal. Students carrying less than a full course of study and not in compliance with a plan established by the administration may face dismissal from school. **Only students who have fulfilled all requirements for receiving a diploma will be allowed to participate in the graduation ceremony.**

Adding and Dropping Courses

Students' schedules should be finalized before leaving for the summer vacation. When students return to school in the fall, schedule changes will only be made for a valid reason and only with the express approval of the high school Principal or Director of School Counseling.

Requests for schedule changes must be initiated through the school counseling office where an add/drop form may be picked up. Students are required to have signatures from those teachers involved in adding and dropping a course. Written permission from a parent or guardian will be required and a parent conference may be scheduled to discuss the request for a course change.

Courses dropped after school begins: Students may withdraw and will receive a "W" or "WF" depending on their current grade. **Advanced Placement (AP) course enrollment:** Students may withdraw from the course during the first semester without penalty. The course will be removed from the student's schedule/report card. In some AP classes, students will be eligible to earn 1/2 credit -- if

they complete the first semester with a passing grade. During the second semester students enrolled in AP courses may withdraw with a “W” if passing or a “WF” if failing.

Awarding Credit

To be credited with a grade, a student must complete course requirements in a satisfactory manner. **The minimum passing grade is 65.** A student who does not do so will receive a failing grade and no credit for the course.

Any courses or programs outside of the school that a student wishes to be given credit in must have prior approval by the Director of School Counseling and the Principal. The process for awarding credit will align with flexible pathways requirements. If a student takes a course as an independent study for credit, their grade will be included in the determination of eligibility for extracurricular activities. Excessive absences, academic dishonesty, or disruptive behavior, may result in loss of credit (See Absence Policy, and Academic Dishonesty and Plagiarism in the Student Handbook).

Home Schooling: The student must be enrolled in a home study program registered with the Vermont Department of Education. A copy of the Vermont State Department of Education enrollment letter for the student's home study program must be presented to the Principal. The school is not obligated to accept a student's home study records in the event that the parent/guardian decides to enroll his/her child in a public or independent school in the future. Credit towards a Lake Region diploma will be determined after a review of the home study program and/or completed course work. The student's grade placement will be at the school's discretion. Students enrolled in a home study program registered with the Vermont Department of Education may enroll in up to 2 credits or its equivalent per semester. Students who desire to take more than 2 credits must enroll as a full time LRUHS student.

Graduation Requirements: 23 credits are required to receive a Lake Region diploma.

Class Cuts: The second cut will result in the student being withdrawn from class and assigned to a study hall. The student may appeal to the Principal for permission to remain in the class while receiving no credit. The student's report card and transcript will reflect a "WF" regardless of the student's number grade in the course at the time of the cut. The WF will impact eligibility for the quarter in which it was issued. However, it is the administration's discretion to extend the impact in situations where the withdrawal was the result of a behavior issue.

Progress Reports

Monitoring a student's progress is the shared responsibility of parents, teachers and students. Progress reports are mailed out to parents at mid-term. However, a possibility exists that a student might be passing at mid-term and yet still fail the term. Therefore, a conference is strongly advised between student, parent and teacher if at any time a parent or student feels that the student's grade is in jeopardy. Progress reports are never a precondition for a failing grade.

Parents are strongly encouraged to consult the Program of Studies or teacher about the specifics of individual course requirements, to attend parent/teacher conferences as part of this **shared responsibility, and to review student's corrected work.**

Report Cards

Report cards are issued at the end of each term. Letter grades are used to designate a student's progress on report cards and/or transcripts.

Grading System			
A+	(97 - 100)	C-	(70 - 72)
A	(93 - 96)	D+	(67 - 69)
A-	(90 - 92)	D	(65 - 66)
B+	(87 - 89)	F	(0 - 64)
B	(83 - 86)	P	(Pass)
B-	(80 - 82)	I	(Incomplete)
C+	(77 - 79)	W	(Withdrawal)
C	(73 - 76)	WF	(Withdrawal Failing)
		IP	(In Progress)

AP students receive one extra GPA point towards their cumulative grade point average.

Testing/Assessment Programs

Many new and valuable tests/assessments will be available to you throughout your four years in high school. The purpose of these tests/assessments is to help your teachers, counselors, and Principal to better understand your personal needs, and to assist in your post high school preparation. Following is a list of some of the tests/assessments:

Personalized Learning Plan (PLP)	Grade 9, 10, 11,12
PSAT.....	Grade 11
SAT I & II	Grades 11, 12
Pre-ACT	Grade 10
ACT.....	Grades 11, 12
Advanced Placement (AP).....	Grades 11, 12
ASVAB	Grades 11, 12
VTCAP Reading/Writing/Math.....	Grade 9
Star 360 – Reading/Mathematics.....	Grades 9, 10
DESSA.....	Grades 9, 10, 11, 12
VTCAP Science Assessment	Grade 11

Educational Support Team (EST)

The Educational Support Team (EST) is one component of a school's Multi-Tiered System of Support (MTSS). The EST acts as a "think tank," reviewing student performance data and identifying students who need additional support in order to succeed, organizing varied supports for individual students, and monitoring student progress over time. Members of a school's EST include a building administrator, teachers, a school counselor, student support services staff, a school psychologist or social worker as appropriate, a student, the student's family, and other experts as needed. Together these participants collaborate in developing and reviewing plans designed to support teachers, students, and their families in partnering effectively to meet students' needs. This communication helps to keep students from "falling through the cracks." The goal is to organize targeted interventions that support students in making progress in the curriculum. The EST may also refer students for additional assessment as necessary.

Academic Support

Academic Support is open to all students who need assistance improving their study skills or extra help with their schoolwork. Students may receive help with their research and writing skills or support organizing their assignments and managing their time. Academic Support is a component of the Title 1 school-wide program and serves students during their scheduled study halls. Two teaching professionals currently serve students in grades 9 through 12.

Ensuring 504 Civil Rights

The goal of Section 504 of the Rehabilitation Act of 1973 is to eliminate discrimination on the basis of disabilities in programs or activities that receive federal money. Disabilities include, but are not limited to, long-term medical conditions, learning disabilities, and mental health diagnoses. If an impairment "substantially limits one or more major life activities", the individual is eligible for accommodations so that he/she may access that activity. For example, if a student has a learning disability but is not eligible for special education, he/she may still be eligible for accommodations that would allow him/her to access learning in the classroom. The goal is to support students in participating fully in their education and in benefiting fully from the curriculum.

Student Support Services Program

The Student Services Program provides high quality academic, social-emotional, and behavior support for all students. Students within this program have been identified as being in need special education services and require specialized instruction, modified curricula or accommodations designed to meet their individual needs to show success in school.

Services, ranging from specialized instruction and academic support to behavioral, social and emotional support, are provided by special educators and paraprofessionals through Lake Region's multi-tiered system of support and detailed Individualized Education Plans (IEPs). Specialized instruction is based on data gathered from comprehensive student assessments and ongoing progress monitoring which helps to inform staff of students' unique strength, weaknesses and specific needs related to their disability. It can be provided through push-in services in general education classrooms, small groups, or 1:1 targeted instruction.

Students are also provided transition services beginning the year they turn 16 to help them transition from high school to adult life. These services focus on interests, skills, and future goals for post-secondary education, employment and independent living skills and can include instruction, community experiences and the development of employment and other post-school adult living skills.

Students are serviced in the least restrictive environment, and the majority access the general education curriculum for their core content classes. Case management is provided to all students along with consultation with regular education teachers. All students are provided with support during study hall for homework and organizational support.

Extra-Curricular Activities

The following is a list of Extra-Curricular Activities that you may participate in during your four years at Lake Region. All students are encouraged to participate in at least one activity each year. A student must meet the academic eligibility requirements in order to participate. Students will be nominated/recommended for enrichment opportunities and it is then their responsibility to apply.

ATHLETICS

Fall

- * Soccer
- * X-Country Running
- * Golf

Spring

- * Baseball
- * Softball
- * Track and Field

Winter

- * Basketball
- * Indoor Track & Field
- * Snowboarding

SCHOOL ACTIVITIES, CLUBS AND ENRICHMENT OPPORTUNITIES

- * Boys State/Girls State
- * National Honor Society

Activities

- * Theater Program
- * Student Council
- * Chorus
- * Select Chorus
- * Prom Committee

Enrichment Opportunities

- * Upward Bound
- * VSAC Gear-up
- * Governor's Institute
- * Hugh O'Brian Youth Leadership (HOBY)

Clubs

- * Future Business Leaders of America (FBLA)
- * Cooking Club
- * Newspaper Club
- * STEM Fair Club
- * Tag Team Environmental Club
- * GSA
- * Art Club
- * Spanish Club

PART III - COURSE DESCRIPTIONS

BUSINESS/COMPUTER

60103 Technology Applications

1/2 Credit

Technology Applications remains a .5 credit graduation requirement for all students. Beginning with the class of 2018, students will earn ¼ credit once completing 5 proficiency assessments: Keyboarding (30 gross words a minute without error OR 10 KP lessons), Basic Window Skills, Word Processing Skills, Presentations Skills, and Spreadsheet Skills. In addition, students will work in the MIMIC Personal Finance role-play simulation using decision-theory learning to explore important personal finance principles, learn more about themselves, and develop a personal approach to financial matters. *An additional ¼ credit will be earned after their LRfolio senior presentation.*

60105 Technology Skills & Leadership in the 21st Century

1/2 Credit

Students will learn both essential knowledge and applied skills to advance 21st Century Skills through authentic business projects, events, and conferences connected to involvement with the Future Business Leaders of America student organization. The curriculum will provide comprehensive strategies to prepare students with real life experiences and industry-specific technical skills before they attend college or enter the work force. Why do students need 21st Century Skills? “Every child in America needs to be ready for today’s and tomorrow’s world. A profound gap exists between the knowledge and skills most students learn in school and the knowledge and skills they need for success in their communities and workplaces. To successfully face rigorous higher education coursework, career challenges and a globally competitive workforce, U.S. schools must align classroom environments with real world environments by fusing the three Rs and four Cs (Critical thinking and problem solving, Communication, Collaboration, and Creativity and innovation skills).

Prerequisite: Technology Applications

FBLA

The Future Business Leaders of America (FBLA) mission is to bring business and education together in a positive working relationship through innovative leadership and career development programs. Available to all students. FBLA Goals: *Develop* competent, aggressive business leadership. *Strengthen* the confidence of students in themselves and their work. *Create* more interest in and understanding of the American business enterprise. *Encourage* members in the development of individual projects that contribute to the improvement of home, business, and community. *Develop* character, prepare for useful citizenship and foster patriotism. *Encourage and practice* efficient money management. *Encourage* scholarship and promote school loyalty. *Assist* students in

the establishment of occupational goals. *Facilitate* the transition from school to work.

60110 Microsoft Word**1/2 Credit**

This course is designed to cover all the major functions of word processing. Students will learn to create documents, edit saved documents and print all documents. Some features that will be covered are spell check, tables, merge/sort documents, forms, outlines, and graphics. FINAL EXAM will be a Microsoft Office Specialist (MOS) test simulation. Students will be given the opportunity to obtain MOS certification.

Prerequisite: Technology Applications

60111 Microsoft Excel**1/2 Credit**

This course is designed for the student to learn about spreadsheet software application. Spreadsheets are used for analyzing, managing and presenting information. All basic functions will be covered in this course including some database and graphic applications. FINAL EXAM will be a Microsoft Office Specialist (MOS) test simulation. Students will be given the opportunity to obtain MOS certification.

Prerequisite: Technology Applications

**60112 Microsoft Access
Credit****1/2**

This course is designed for the student to learn about database software application. Databases are collections of related information. Once you have created a database, a student will be able to sort it, search for particular items, and prepare reports that show particular aspects of the data. All basic functions will be covered in this course. FINAL EXAM will be a Microsoft Office Specialist (MOS) test simulation. Students will be given the opportunity to obtain MOS certification.

Prerequisite: Technology Applications

60113 Microsoft PowerPoint 1/2 Credit

This course will teach students how to create various presentations using slides, outlines, speaker's notes, and audience handouts. Presentations can include text, clip art, graphs, tables, charts, and even sound or video clips. FINAL EXAM will be a Microsoft Office Specialist (MOS) test simulation. Students will be given the opportunity to obtain MOS certification.

Prerequisite: Technology Applications

60115 Computer Applications

1/2 Credit

A hands-on introduction to information processing using operating system and application software designed for computers and mobile devices. Covers file management, presentation graphics, word processing, and spreadsheets. Basic algebra skills are recommended.

Prerequisite: Technology Applications. Must be in grade 11 or 12.

60114 Advanced Office Systems/Independent Study

1 Credit

This course is designed to give students an integrated hands-on experience with Microsoft Office software. Course work and unique business simulations will challenge students to develop appropriate problem-solving skills.

Prerequisite: Office Procedures I or permission from the instructor.

60122 Accounting I *

1 Credit

This course provides an understanding of basic principles of the Accounting Cycle as it applies to business and government practices. Students will acquire skills required for competency in beginning accounting and will serve as an introduction to the accounting field. The course includes the preparation and interpretation of financial statements and other business data. Students will have the option of using traditional or online text and will be using online working papers to provide instant feedback through automated assessments.* (Successful completion of this course may fulfill 1 credit of the mathematics graduation requirement.)

***Dual Enrollment Credit Option – students may be offered the opportunity to also receive 3 college credits for completion of this course.

60123 Accounting II

1 Credit

This course provides students who have successfully completed Accounting I an opportunity to gain knowledge and skills in departmental partnership and corporation accounting. Both accrual cash methods for maintaining the records are used. An introduction to Computerized Accounting Systems as they apply to the business world is explored along with several computerized accounting simulations. Students acquire skills that will allow them competency for introductory level accounting positions. Prerequisite: Accounting I

60129 Programming for the Web in HTML *

1/2 Credit

There is no prerequisite for this course. Students enrolled in this course will learn HyperText Markup Language (HTML), the universal code that structures and defines online content. Through hands-on coding projects, students will gain real-world skills for building the framework of websites, applications, emails, and more.

Leveraging HTML elements and attributes, students will learn how to format text, insert media, create forms, link pages, deploy sites, and use best practices.

Upon completion, students will have a portfolio of hand-coded web pages demonstrating mastery of clean, semantic HTML code. This course develops essential knowledge for anyone publishing content online or pursuing careers in web development.

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

60130 Programming for the Web in CSS *

1/2 Credit

Students enrolled in this course will learn Cascading Style Sheets (CSS) - the essential language for visually styling web pages and online content. Through hands-on coding projects, students will gain real-world skills for turning plain HTML sites into fully designed, professional web pages that grab attention.

Leveraging their knowledge of HTML, students will learn how to format text, customize colors and fonts, craft responsive page layouts, incorporate media like video/audio, animate page elements, and deploy across devices.

Upon completion, students will have a portfolio of stylish, modern web pages showcasing mastery over text, content, and overall presentation using CSS. This course develops essential skills for publishing any online content or launching web development careers.

Prerequisite: Programming for the Web in HTML

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

60132 Programming for the Web in JavaScript

1/2 Credit

In this course, students will immerse themselves in the art and science of JavaScript programming. JavaScript, the dynamic language that powers modern web applications, is at the heart of user interactivity and real-time content updates. Through a rigorous curriculum, students will not only master the syntax but also explore the deeper principles of problem-solving and creative design. The course objectives include understanding the transformative role of JavaScript in turning static web pages into dynamic, responsive interfaces. From form validation to interactive applications, students will harness JavaScript's power to create seamless user experiences. Additionally, students will move beyond surface-level coding, diving into event-driven programming, asynchronous operations, and best practices. Along the way, they'll craft small-scale applications, such as calculators and games, while honing their analytical skills.

For aspiring programmers and computer scientists, JavaScript proficiency is non-negotiable. This course lays the groundwork for future endeavors in web development, software engineering, and data science.

Prerequisite: Programming for the Web in HTML

60133 Programming for the Web in PHP

1/2 Credit

Students enrolled in this course will learn server-side web programming using PHP, the popular open-source language used by elite web developers. Through hands-on projects, students will build dynamic web applications like e-commerce sites, blogs, content management systems, and more. Leveraging their existing knowledge of HTML, CSS and JavaScript, students will learn how to integrate backend databases, process form data, manage sessions and cookies, implement login systems, and connect to APIs.

This course prepares students for web development careers or computer science majors.

Prerequisite: Programming for the Web in HTML

70158 C++ Programming for Robotics Credit

1/2

This course blends challenging C++ programming with intricate electronic wiring using Arduino microcontrollers and components like sensors, motors, and LEDs. Designed for students comfortable with iterating designs, it fuses creativity with technical precision as students meticulously build and program robots that push the boundaries of innovation. The course is geared for individuals who thrive when solving complex problems through diligent work and independent practice. It aims to hone programming skills and unlock the fascinating world of electronics integration.

60127 3-D Modeling and Animation with Blender * **Credit**

1/2

This course introduces Blender - the powerful open-source tool used by animators, game designers and 3D artists worldwide to bring imaginative worlds to life. Through hands-on modeling projects, students will learn the foundations of computer-generated 3D art, from manipulating 3D meshes to texturing, lighting, rigging animations, and rendering photoreal visuals.

Explore Blender's exceptional animation toolset while bringing characters, creatures, props, concepts and architectures to fruition. Portfolios of student projects will showcase talents to prospective colleges or future employers in arts, film, gaming, and more. For those with an inventive spark, unlock your 3D imagination with Blender!

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

DRIVER EDUCATION

07001, 07002 Driver Education

1/2 Credit

The Driver Education course is divided into two phases: classroom and in-car instruction. Concepts are introduced in the classroom and applied in the in-car phase. Each phase has its own special values. In the classroom, learning activities cover the entire scope of Traffic Safety Education, not only knowledge of physical control of the car but conditions that influence the driving task. In-car is an application of the driving practices, laws, visual techniques and skills needed to pass your state driving exam.

Requirements for Enrollment:

1. Must have a valid learner's permit. Students must be 15 years of age to be able to obtain their permit.
2. Signed permission slip and physical limitation sheet.
3. Students in grades 10-12 are eligible. ***see note below**
4. Enrollment is based first on grade level classification, defined in the student handbook, then by date of birth within each particular class. There are no exceptions!
5. Students who do not make the date of birth cut off can re-enroll the next semester.
6. Once the Driver's Education list has been posted, students will not be allowed to change class sections.
7. A written contract must be signed by a parent/guardian to enroll in the course.
8. It is **HIGHLY** recommended that a student has a minimum of 10 hours behind the wheel before starting Driver's Education Course.

Registration Process/Deadlines:

1. Driver Education sign-up is not a part of the spring course registration process.
2. Students must obtain a sign-up slip from the School Counseling Office and submit it with their permit.
3. The **deadline** to register for **Fall** Driver Education class is the last day of the 3rd quarter/term of the preceding school year.
4. The **deadline** to register for **Spring** Driver Education class is the last day of the 1st quarter/term.
5. The **deadline** to register for **Summer** Driver Education class is the last day of the 2nd quarter/term.

Ineligible to participate or removal from the program: Students must be enrolled in the program by the first day of the semester. The following conditions will make a student ineligible to participate, or lead to removal from the program:

1. Under the influence of alcohol and/or drugs during any of the instructional phases.
2. Insubordination toward the Driver Education instructor.
3. Violation of Driver Education attendance policy (3 absences) - must wait one semester to re-enroll.
4. Observed driving without supervision, or other motor vehicle violations--removed from program ineligible to participate.
5. Failures in classroom and/or withdrawal for any reason during the semester--must wait one semester then re-enroll.

6. Removed from class at the request of the administration or the instructor for DMV violations--ineligible for Driver's Education.
7. Incomplete driver--keeps driving through next semester.
8. Drop class--must wait one semester then re-enroll unless a slot is available after all other students that have signed up have been accommodated.

DRIVER EDUCATION (cont.)

Note: Students in grade 9 will be allowed to enroll in the Spring semester class (space available) after interested students in grades 10, 11 and 12 have registered.

Classroom Policy:

1. After a student has been assigned to a schedule, it is expected that he/she will attend all sessions as scheduled.
2. Three absences will result in failure to obtain a certificate.
3. All students must be prepared for classroom activities: textbook (covered), 3-ring binder, work-book, folder and pen or pencil.
4. There will be reading and writing assignments, weekly quizzes, workbook assignments and chapter exams.
5. The state requires 30 hours of classroom instruction. To reach this requirement, we will meet three times a week until you have your 30 hours.
6. All assignments have a due date. Assignments not handed in by due date will receive a zero unless previous arrangements have been made with instructor.
7. Final exam--given at end of each semester.
8. Drop class--must wait one semester then re-enroll unless a slot is available after all other students that have signed up have been accommodated.

Car Policy:

1. All students will be assigned as soon as possible, assignments being based according to birth date and free periods.
2. Each student will drive anywhere from once a week to 5 times a week, depending on schedules.
3. Students must physically have their Learner's Permit with them in order to be able to drive.
4. After two absences, student will be moved to the end of the waiting list. Also, student must find substitute if unable to attend scheduled drive time.
5. Students must log in 20 hours of driving time with adult over the age of 25.
6. Appropriate footwear that is attached to the foot is a requirement to drive. No flip-flops.

Grading Policy:

1. Students must pass the Final Exam for Driver's Education with a minimum grade of 80%. Grades will be reflected as P(Pass), F(Fail) or I (Incomplete). A passing grade for this class is a minimum grade of 80%.
2. You must pass both parts (driving and classroom) to pass the course.
3. All work assignments and tests must be completed before the final exam, in order for

students to pass the course.

ENGLISH

The following guide is provided to help students and their parents understand the sequence of courses through which students pass in Lake Region's English Department.

REQUIRED Courses for 9th and 10th Graders:

- English 9 (Humanities, English 9 or Honors English 9)
- English 10 (General English 10, English 10 or Honors English 10)

Completion of this sequence of courses provides students with foundational skills in English. Students will develop and then hone their skills in reading, writing, speaking, listening, and language acquisition. Students will have frequent opportunities to demonstrate proficiency in these areas.

Note: Placement decisions for English 9 and English 10 are based on assessment results.

Elective Program (Grades 11 and 12)

Following completion of English 9 and English 10, students enter the elective program in English. Provided that certain expectations have been met, students can personalize their education by choosing those courses that best prepare them for their own future plans. Students may be allowed to access junior/senior elective classes while still sophomores if they have completed English 10 with an 80% or higher.

Junior Year:

Students who do not take AP Language and Composition must complete one term of Composition and an additional elective class of their choice. Teachers will assist students in choosing appropriate courses.

Please note: the following classes are available only to seniors

- Senior Writing Workshop
- AP Literature and Composition

English Department Policy on Course Sequence

Policy on 9th – 10th Grade Sequence:

Lake Region's English Department treats English 9 and English 10 as sequential courses and requires successful completion of English 9 as a prerequisite for enrollment in English 10. In practice, this means the following:

- A student who fails English 9 must retake the course before taking English 10.
- A student who fails English 10 must retake English 10 prior to entry into the elective program.
- Students who wish to enroll in multiple English classes in a given term will do so only with the permission of the principal (or designee) and school counselor.

Reading Program

Lake Region offers a reading support program to help our students develop and integrate their reading skills. Students are selected for this program based on assessments and teacher recommendations and are typically scheduled for reading lessons during their study hall block. Reading lessons are designed to meet our students where they are in their literacy development. Our reading program focuses on revisiting foundational decoding and encoding skills, developing vocabulary, improving fluency, and using visualization and verbalization to support overall comprehension. We seek to help our students gain confidence and experience as readers. We utilize the following research-based programs: Seeing Stars® Program - Symbol Imagery for Phonological and Orthographic Processing in Reading and Spelling (SI) and The Nancibell® Visualizing and Verbalizing® Language Comprehension and Thinking (V/V).

10111 Honors English 9 1 Credit

Through careful study of classic and contemporary texts from around the world in multiple genres, students will explore how great authors have approached key thematic ideas that touch us all. Throughout history and across the globe, great writers have consistently been drawn to explore what it means to be human—the nature of friendship, the roots of identity, the grip of fear, the force of desire, the power of love and of hate. With a focus on close reading, academic writing, and literary analysis, this course will study how great writers use both similar and various techniques to communicate important truths about human nature and the human experience. Course materials are tied to units of study in the World History curriculum.

10112 English 9 1 Credit

Through careful study of classic and contemporary texts from around the world in multiple genres, students will explore how great authors have approached key thematic ideas that touch us all. Throughout history and across the globe, great writers have consistently been drawn to explore what it means to be human—the nature of friendship, the roots of identity, the grip of fear, the force of desire, the power of love and of hate. With a focus on close reading, academic writing, and literary analysis, this course will study how great writers use both similar and various techniques to communicate important truths about human nature and the human experience. Course materials are tied to units of study in the World History curriculum.

10106 Humanities 9 1 Credit

Humanities is an English class for ninth graders that offers instruction in reading, writing, speaking and listening, and language development (grammar study and vocabulary acquisition). The English curriculum runs parallel to the Social Studies curriculum in ninth grade; units address world history from the Renaissance to the present, and students read literature from across the globe. Reading instruction focuses on the development of fluency, comprehension, and vocabulary through the careful, close reading of both fiction and non-fiction sources. Students build vocabulary, learn reading and study strategies, and use the writing process to develop clear, thoughtful, multi-paragraph essays in response to their reading. Research is also a component of Humanities. Students have multiple opportunities to develop each of the school's Learning Expectations through a variety of Folio Tasks tied to the course content.

10114 Honors English 10 1 Credit

Activities include reading and responding to several fiction and non-fiction books, along with plays, short stories, poems, and essays; writing a variety of essays, a play, a story, and poems; conducting research and writing a research paper; revising and editing one's own writing and the writing of others; doing timed writing in class; studying grammar and vocabulary; and giving a variety of oral presentations, including a drama performance. All the literature in the course is American.

10115 English 10 1 Credit

In this course, students will build upon the skills acquired in English 9. This includes vocabulary acquisition, the development of reading comprehension, and further practice in reading literature critically and in articulating ideas in writing. Students will be expected to read several novels, plays, short stories and poems in the American literary canon; to write a variety of essays, stories and poems; to create artistic representations of thematic material; and to actively engage in class discussion of the course content. Students produce several formal essays, including a biography and synthesis writing, write short stories and poetry, and conduct research.

10116 General English 10 1 Credit

Students enrolled in this class will build upon the skills developed in English 9 by continuing to acquire vocabulary, develop reading fluency, build reading comprehension, analyze literature, listen to their peers, debate ideas and convey thoughts in writing. Careful, close, critical reading of American novels, plays, short stories, essays, and poems is the daily work of this course. Students also have opportunities to conduct both short and long research projects.

Required Composition Course

Lake Region students must complete a Composition course in order to graduate.

10124 Composition 1/2 Credit

Composition is an academic writing course focused on argument writing. In this course, students will research, discuss, analyze, and write persuasively about important and controversial societal issues. Students will work on understanding nuance and complexity, keeping an open mind, and acknowledging the validity of competing viewpoints. After looking closely at a wide range of evidence and perspectives from multiple sources, students will arrive at their own informed conclusions about a topic and construct argument essays that organize and synthesize evidence to support those conclusions. As this cycle gets repeated for different topics, students will strengthen skills relating to reading informational text, locating quality sources, citing evidence, analyzing and describing data, elaboration, writing with effective organization, and revision.

10120 Basic Composition 1/2 Credit

Students in this writing workshop course will build essential writing skills through several styles and purposes of writing. In personal writing, students will develop descriptive and reflective skills to share the story of a meaningful experience. In informative and argumentative writing, students will organize ideas and information to clearly communicate their knowledge of and support their opinions on multiple topics. We will also spend a fair amount of time mastering the kind of writing that often accompanies college and job applications (resumes, cover letters, statements of purpose etc.). Study of grammar, usage, and the mechanics of writing will be embedded throughout the semester as needed. Students will grow as writers through the sometimes messy and frustrating but also rewarding stages of the writing process: reading, thinking, discussing, drafting, receiving feedback, reconsidering, revising, editing, and publishing.

Elective Program

The elective program for juniors and seniors consists of one-term, half-credit classes. The goal of this program is to allow LR's older students a greater degree of choice and flexibility while providing a wide range of dynamic, high-interest, and rigorous course offerings. Some classes may not be offered every year.

10142 Survival Stories

1/2 Credit

What does it take to survive in a hostile environment? What are the physical and emotional resources that promote survival in difficult circumstances? These are just two of the questions students will explore in Survival Stories, a course that examines what it takes to thrive in trying times (in history) or in challenging environments (the natural world). Note: The particular focus of this class will depend on student interest, and students will have opportunities to choose their own survival stories to read.

10145 War Stories

1/2 Credit

Students will read war stories through the lens of the American experience of armed conflict. They will read accounts of war from a variety of perspectives, including those of combatants and those of noncombatants affected by the conflict. Reading materials for this course will include fiction and

non-fiction texts as well as recent films. The goal is to engage students in a thoughtful consideration of conflict and its impact on the people involved.

10158 Song Lyrics

1/2 Credit

Students will read, listen to, discuss, and write about popular songs. The songs studied will be primarily favorite songs selected by the students. There are lessons to help students explore the songs. The purpose of the course is to develop students' reading, writing, and discussion skills.

10132 Literature of Vermont 1/2 Credit

This one-term course will survey the writing of Vermonters with a special focus on the literature of the Northeast Kingdom. It will illuminate the history and heritage of the state, sampling literature from the turn of the century to the present day. Representative authors include James Hayford, Robert Frost, E. Annie Proulx, David Budbill, and Howard Frank Mosher, among others. Student participation in class discussion and individual projects is required; reading assignments will be many and various.

10130 Popular Fiction 1/2 Credit

This course explores the craft of fiction in some favorite types of modern literature. Genres that may be examined include horror, fantasy, science fiction, satire, regional literature, mystery, memoir and humor in short story or book length. Films and outside readings will supplement this review of the genres, as will both formal and informal writing activities.

10131 Mythology 1/2 Credit

In this course we will explore the role of storytelling in civilization and humanity's quest for knowledge of self. We will explore ancient Creation Myths that have endured for centuries, shaping cultures around the world and students will have the opportunity to write their own Creation Myths. We will dive into The "Hero's Journey" formula and focus will be on the Gods and Goddesses and Creatures of Greek Mythology. We will read a novel that weaves in many of the Greek Myths in a contemporary storyline and students will try their hand at writing their own "Hero's Journey" story.

10107 Graphic Novels

1/2 Credit

Graphic novels are finally being recognized as great literature. Graphic novels explore the complex themes that touch us all—violence, fear, love, mental health, addiction, friendship, betrayal, and more. This class will explore how authors and artists tell stories using a new and exciting form—the graphic novel—while still relying heavily on traditional storytelling techniques. Along the way, we will read some of the most respected and exciting works in the genre, such as *Watchmen*, *I Kill Giants*, *V for Vendetta*, *American Born Chinese*, and more. Specific texts subject to change.

10149 Horror and Apocalypse

1/2 Credit

Some people fall apart when faced with horrible things. Others rise above and fight back. In this class, we will study how authors explore human nature through stories of horror and apocalypse (the end of the world as we know it). Horror can be realistic or wildly imaginative; it can focus on human madness or inhuman monsters; it can tell the story of a single lost child or a massive global catastrophe. In any case, ‘horrible’ stories force us to take a hard look at ourselves and those around us. This is because authors often explore the darker side of humans and the terrible things we are capable of. At the same time, these same stories expose the resilience and kindness of characters determined to survive, reminding us of the strength we all have within us.

10122 Science Fiction

1/2 Credit

From the farthest reaches of space to the aliens in our own backyards, science fiction stories ask us to stretch the boundaries of what is possible. In this course, students will be asked to examine how science fiction authors create fantastical stories that ask the question our everyday world can’t: “what if?” While creative, stories of the science fiction genre get to the harsh truths of reality around us, asking us to think critically about our own lives and society itself. In this course, students will analyze a variety of sci-fi stories from some of the greats – (Ray Bradbury, Roald Dahl, Kurt Vonnegut, Aldous Huxley) before creating a short story of their own. With each story, students will also research and analyze how parts of their own life connect directly to the elaborate worlds of science fiction.

10133 Creative Writing

1/2 Credit

Written words are everywhere. In addition to old trusty books, words show up on road signs, food labels, twitter feeds, news articles, text messages, internet memes, magazines, and blogs. In all situations, someone put those words there to communicate ideas, information, emotions, opinions, and perspectives. In this course, students will carefully and creatively examine and experience the astounding variety of ways that words tell stories. We will conduct this exploration by reading examples of high quality fiction, non-fiction, and poetry to serve as models for writing. Students will

develop the skills of perception and description through language – skills that make for great writing and help us live more thoughtfully and perceptively. Much of the writing done in the course will be shared during class workshops and published to the wider school.

Note: Creative Writing does not fulfill the English Department’s Composition requirement.

10143 Public Speaking 1/2 Credit

This course helps students develop their confidence and skills as speakers. Activities include story-telling, a “pet peeve” speech, a “how-to” speech, an “I believe” speech, debates, drama, and a tribute speech, as well as communication games and exercises.

10134 Reading Movies 1/2 Credit

In this course, students watch, discuss, and write about movies. With fiction movies, the focus is on how the filmmaker has created an interesting work of art. With nonfiction movies, it is on how the filmmaker has communicated a viewpoint. Movies studied in recent years include: *Rocky*, *The Sting*, *Murderball*, *Restrepo*, *Undeclared*, *Gleason*, *Heart of the Game*, and *For Sam*. Note: Some of the movies in the course are rated “R” or are unrated, and parental permission will be required for students to watch them.

70173 Senior Writing Workshop

1/2 Credit

This course provides students with an opportunity to develop their writing skills further while exploring college and career plans. Students will write formal compositions and timed writing pieces. Critical readings of complex texts are included, as are research projects and oral presentations. The expectations that apply to traditional LR writing classes apply to this class as well.

Prerequisite: senior standing

Advanced Placement Courses

10139 Advanced Placement (AP) English Language & Composition* 1 Credit

In AP Language & Composition, students read and respond to many short pieces of writing, mostly non-fiction, such as magazine articles, editorial columns, speeches, letters, and excerpts from books. The reading is challenging, college-level material. Students also write numerous essays, mostly of two types: (1) argumentative essays, and (2) essays that attempt to explain how a piece of writing is effective. Students also prepare for the national AP Language & Composition exam, which consists of both essay writing and multiple-choice reading questions.

Prerequisite: An 80 or above in Honors English 10 and teacher of record approval.

10136 Advanced Placement (AP) English Literature & Composition* 1 Credit

In the AP English Literature course, students are involved in a college-level study of writing and literature. Through speaking, listening, and discussing, but chiefly through the experience of reading and writing, students will develop an awareness of author's craft. Writing assignments will respond to works of recognized literary merit. Upon successful completion of an Advanced Placement College Board exam, a student may receive college credit and appropriate placement in participating colleges.

Prerequisite: senior standing

***Note:** All students who enroll in AP Language & Composition and/or AP Literature & Composition in the spring will be required to complete at least the first semester of this course. Students who wish to withdraw from AP English in January will be allowed to receive 1/2 credit, reflecting their grade at the end of the first semester.

FINE ARTS

Successful completion of Music or Visual Arts courses will fulfill graduation requirements in the Fine Arts. Theater students may fulfill up to ½ Fine Arts credit by successful completion of both Fall and Spring productions.

Music

95111/95112 Music Composition - Beginning/Advanced

1/2 Credit

This class is offered as an independent study or group class at the Beginning or Advanced level. Students will create original music projects using notation software and receive mentoring through the Music-Comp Online Mentoring program. This is a hands-on class utilizing multiple modalities for independent projects, including playing instruments and improvising to create original ideas. Students will also have the opportunity to create electronic or electro-acoustic compositions using Soundtrap or Abelton (for more advanced students). No experience necessary for Beginning Composition.

Prerequisite for Advanced Composition: demonstrate proficiency in one notation software and evidence of independent composition projects.

91131 Piano Lab

1/2 Credit

Are you a student who has never learned to play a musical instrument or read music? If so, this course is for you! This course is offered for one quarter and provides hands-on instruction in playing the piano and reading music notation. You do not have to have a piano at home to take this class! All practice will be done every day during class time. Limit of the class is 8 students. No prerequisite.

95103 Chorus

1/4 Credit

This ensemble is designed for students who enjoy singing and would like to learn more about music and vocal techniques. In this course students will perform songs in three-and four-part harmony and will learn basic music notation related to interpreting choral music. Concert selections will include music from a wide variety of cultural and historical genres. Participation in school concerts is mandatory. Chorus members are eligible to participate in the Northeast VT District II Music Festival.

Prerequisite: This performing ensemble is open to all LR students; no prerequisite necessary.

95104 Jazz Band 1 Credit

Students in band will rehearse and perform instrumental and vocal music in a variety of styles. The focus of the class is Jazz, but students will also work on classical repertoire and modern band (contemporary commercial music such as blues, rock, pop, etc.). Singers are welcome to take this class but will need to play an instrument as well as sing. The program is dynamic and flexible, with a focus on live performance and festivals. In addition to required concerts, students will receive opportunities for community service through performances. Content covered includes instrumental techniques, tuning and intonation, scales, rhythmic studies, note identification, arranging, composition and written music theory. Playing more than one instrument is encouraged. Rhythm section players and all levels, including beginners, are welcome.

95105 Select Chorus 1/4 Credit

A group of 12-15 singers who wish to advance their singing technique through participation in a smaller ensemble. Students will be challenged with acapella singing, solos and different languages including but not limited to Latin, Spanish, French and several languages from Africa. Chorus members are also eligible to participate in area music festivals including the Northeast VT District II Music Festival, the Vermont All-State Music Festival, and the New England Music Festival. Prerequisite: Membership in Chorus. Participation in this class is by audition with the director.

95116 Classical & World Music Exploration* 1/2 Credit

Students will examine the framework of Western classical music along with world folk music traditions. Students will learn to identify and describe music from diverse cultures; at the same time, they will consider common features of music as a universal language. Students will view the development of music through multiple lenses. Course work is a combination of reading, active listening and hands-on folio projects.

* (Successful completion of this course may fulfill ¼ credit of the social studies graduation requirement)

95115 American Popular Music* 1/2 Credit

This class will trace the history of rock music from the blues to the present day. Genres include blues and folk, rock, rockabilly, country, rock and roll, the British invasion, alternative, metal and punk. Students will reflect and critique these musical styles using discipline specific vocabulary, read articles about the various genres, and learn to identify these genres aurally. Students will study how rock music has been associated with political activism as well as changes in social attitudes, and is often seen as an expression of youth revolt against adult conformity.

* (Successful completion of this course may fulfill ¼ credit of the social studies graduation requirement)

Solo & Ensemble Singing

1/2 Credit

This course is for students who love to sing. The primary focus of the class is to build a healthy and free singing voice. Students will select a classical, popular or jazz solo and participate in several a capella projects, either classical, folk or world music. Music theory concepts will be taught as they apply to specific examples of song literature, including solfege, key signatures, rhythmic studies and the elements of music (music terminology). Students will be prepared for auditions and performances. (District 2 Jazz, Northeast Rotary Festival, All-State Music Festival and New England Music Festivals). If you are in chorus or want to strengthen your singing voice for the school musical, this is the perfect class for you. Can be repeated for credit. No prerequisite.

95106, 95108, 95109 Music Theory for Singers

1/2 Credit

This course is for singers who wish to enhance their ability to read printed music and to sing in parts. The curriculum includes keyboard skills, written theory, solfege and rhythmic sight reading and analysis. Students will choose solo and ensemble projects from the classical, jazz, folk and world music genres. Students will be prepared for auditions and performances. (District 2 Jazz, Northeast Rotary Festival, All-State Music Festival and New England Music Festivals). If you are interested in being fluent in conventional music notation, developing keyboard skills and analyzing music, this class is for you. Music Theory for Singers is also an excellent preparatory class for AP Music Theory or if you are considering a music major or minor in college. There are four levels in the class, so this can be repeated for credit and there is no prerequisite.

Prerequisite: None, although this course is most effective when taken concurrently with Chorus. This course is highly recommended for singers who wish to audition for the Northeast, All-State, and All-New England Music Festivals, and for singers not in band who are considering a career in music.

95114 Advanced Placement (AP) Music Theory

1 Credit

A major component of any college preparatory curriculum in music is a course introducing the first-year student to music theory, a subject that comprises the musical materials and procedures of the Common Practice period. AP Music Theory integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Musicianship skills such as dictation, sight-singing, and keyboard harmony are also a part of this course. The student's ability to read and write musical notation is fundamental. It is also assumed that the student has acquired (or is acquiring) at least basic performance skills in voice or on an instrument.

Possibility for college credit upon successful completion of AP Music Theory Exam.

Prerequisite: Approval of the Director and completion of summer assignment

Theater

70172 Theater (Fall) 1/4 Credit

Students may earn 1/4 credit for the LR Fall Musical production (minimum of 50 hours). Students will complete a log of rehearsal hours as well as a self-evaluation based on Common Core Standards, 21st Century Learning Skills and Theater GE's, both of which must be approved by the Director. Credit will be awarded on a pass/fail basis.

70174 Theater (Spring) 1/4 Credit

Students may earn 1/4 credit for the LR Spring Dinner Theater/One Act Production (a minimum of 50 hours). Students will complete a log of rehearsal hours as well as a self-evaluation based on Common Core Standards, 21st Century Learning Skills and Theater GE's, both of which must be approved by the Director. Credit will be awarded on a pass/fail basis.

Visual Arts

90100, 90101 Two Dimensional Art - Fall/Spring

1/2 Credit

This course is aimed towards students who desire a strong foundation in drawing, painting, collage and other two-dimensional mediums. Students will learn how to apply the elements and principles of design when creating and critiquing works of art. No prerequisite skills are needed, as we will start where each student is at and will build on skill level and confidence as we go. Media will include: pencil, charcoal, pen and ink, colored pencils, pastels, watercolor, acrylic paint and more.

90102, 90103 Three Dimensional Art - Fall/Spring

1/2 Credit

This course is aimed towards students who desire a strong foundation in sculpture and ceramics. Students will discover the techniques and skills needed when working with various three dimensional mediums. No prerequisite skills required. Media will include: plaster, clay, wood, paper mache, wire, fabric and more.

90105 Digital Photography

1/2 Credit

This course is an introduction to the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will learn how to use camera functions and settings, as well as photographic manipulation techniques in Adobe Photoshop to produce successful photographs.

90104 Advanced Art - Independent Study

1 Credit

By permission from the instructor only. This course is designed for highly motivated art students who are able to work independently. Students who enter this course must have taken a semester of both two-dimensional art and three-dimensional art. With this art foundation, we are able to explore techniques and ideas beyond what is covered in the introductory classes. Students will also prepare

a portfolio of their work for college entrance.

Prerequisite: Intro. To 2-Dimensional Art and Intro. To 3-Dimensional Art--1 semester each.

MATHEMATICS

All students must take a mathematics course their freshman, sophomore, and junior year.. Because of state requirements for testing and portfolios, all 9th and 10th grade students must take a core mathematics class. These include Pre-Algebra, Algebra I (honors or regular), Geometry (honors or regular), Algebra II (honors or regular), and Essentials of Math I or II.

Math Course Flow Chart

FRESHMAN Year 1	SOPHOMORE Year 2	JUNIOR Year 3	SENIOR Year 4
Essentials I	Essentials II	Pre-Algebra	Algebra I or Consumer Math
Essentials I	Essentials II	Consumer Math	Pre-Algebra
Essentials I	Pre-Algebra* *teacher rec.required	Consumer Math	Algebra I
Essentials I	Pre-Algebra* *teacher recommendation required	Algebra I	Geometry or Consumer Math
Pre-Algebra	Algebra I	Geometry	Algebra II or Business Math
Algebra I	Geometry and Algebra II (same year, either order)	Pre-Calculus (& AP Stats if requested)	Honors Pre-Calculus &/or AP Stats
Algebra I	Geometry	Algebra II	Pre-Calculus &/or AP Stats &/or Business Math
Honors Algebra I	Honors Geometry and Hon. Algebra II (same year, either order)	Honors Pre-Calculus &/or AP Stats	AP Calculus &/or AP Stats

Honors Algebra I	Honors Geometry	Hon. Algebra II (& AP Stats if requested)	Honors Pre-Calculus &/or AP Stats
Geometry	Algebra II	Pre-Calculus	Honors Pre-Calculus &/or AP Stats
Honors Geometry	Honors Algebra II (& AP Stats if requested)	Honors Pre-Calculus &/or AP Stats	AP Calculus &/or AP Stats
Honors Algebra II	Hon. Pre-Calculus (& AP Stats if requested)	AP Calculus &/or AP Stats	AP Calculus &/or AP Stats

40110 Essentials of Mathematics I**1 Credit**

This course is a review of the operations on whole numbers, fractions, decimals, and percentages and related problems. Geometry, measurement, and probability are also covered.

40111 Essentials of Mathematics II**1 Credit**

This course is a continuation of Essentials of Mathematics I. Essentials II emphasizes life skills such as banking, budget planning, insurance, taxes, and personal planning.

Prerequisite: Essentials of Math I

40100 Pre-Algebra**1 Credit**

Pre-Algebra gives a preliminary introduction to the concepts of algebra while providing the student with the opportunity to improve his/her skills in core mathematical areas.

Topics covered in this course include fractions, decimals and percentages as well as patterns, operations with integers, graphs, probability, introduction to variables and algebraic concepts.

40113 Consumer Mathematics**1 Credit**

Consumer Mathematics is designed as a third year offering for those completing Essentials of Mathematics II. The fundamental operations of whole numbers, fractions, decimals, and percentages are used to solve problems which are intrinsic to everyday life. These problems may include sales, computing interest, and budgeting.

Prerequisite: Essentials of Math I & II

40101 Algebra I**1 Credit**

Algebra 1 introduces students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. In this class, students will develop the ability to explore and solve real-world application problems, demonstrate the appropriate use of graphing calculators, and communicate mathematical ideas clearly. Time permitting, quadratic equations will be introduced and solved using both the factoring and quadratic formula methods. This course lays the foundation for mathematical literacy that will help students be successful in every subsequent course in mathematics.

40103 Honors Algebra I 1 Credit

This course is designed for the student who has excelled in junior high mathematics. It is a faster paced course which covers more ground and delves more deeply into some of the algebra concepts than does the regular course. Graphing calculators will be used more extensively than in the regular Algebra I course.

Prerequisite: Teacher recommendation and permission from the teacher of record.

40105 Geometry 1 Credit

Students in this course will explore such concepts of geometry as symmetry, congruence, and similarity as well as receive an introduction to logic. Students will use both inductive and deductive reasoning to prove statements about congruent and similar triangles, parallel lines, polygons, and circles. Properties of right triangles including the Pythagorean Theorem are studied. Area and volumes of planar and solid figures are calculated. Transformations of figures are studied. Problem solving is integrated throughout the course.

Prerequisite: Algebra I

40127 Summer Geometry 1 Credit

This course will cover the same concepts and content as Geometry 40105. The course will be offered in the summer and will also require extensive independent work completion, as well as work with the instructor during Semester One for credit. This course will only be run if a minimum of 15 students enroll. See your guidance counselor for specific dates and times.

Prerequisite: Sophomores given priority

40106 Honors Geometry 1 Credit

This course is designed for the student who has excelled in Algebra I and is intending to continue through four years of mathematics. It is a faster paced course which covers more ground and delves more deeply into some of the geometry concepts than the regular course does.

Prerequisite: Honors Algebra I with a grade of B or above, or permission.

40102 Algebra II 1 Credit

This course is a continuation of the concepts developed in Algebra I and Geometry. Topics covered include: Linear equations, functions, solving systems of linear equations and inequalities, matrices and determinants, quadratic functions, polynomials, factoring, radicals, exponential and logarithmic functions, and possibly trigonometric functions, sequences and series as time permits.

Prerequisite: Geometry, or permission

40104 Honors Algebra II 1 Credit

This course is designed for the student who excels in mathematics and sees a possible career in the field of mathematics or science. It is a faster paced course than Algebra II, and graphing calculators are used more extensively.

Prerequisite: Honors Geometry with a grade of B or above, or permission.

40108 Pre-Calculus 1 Credit

This course is designed to review and enhance Algebra and Geometry skills through a variety of real life applications and problem-solving. This course also covers general Pre-Calculus topics

Prerequisite: Algebra II

40112 Business Mathematics 1 Credit

This course's fundamental units of study are centered on managing one's money, spending wisely, making money grow and basic business mathematics analysis. Within these units, students will study about checking and savings accounts and budgeting. Income taxes, insurance options, credit card management, and basic investment options are also covered. The use of Excel spreadsheet with formulas is emphasized.

Prerequisite: Senior Standing (See flow chart prerequisite)

40107 Honors Pre-Calculus 1 Credit

Honors Pre-Calculus is a rigorous course involving a thorough investigation of numerous and varied mathematical concepts to fully prepare students for the study of calculus. Beginning with a review of functions (linear, quadratic, polynomial, rational, logarithmic, exponential, inverse), the course concludes with a study of trigonometry including the unit circle and graphs of trigonometric functions, trigonometric equations, and double and half angles.

Prerequisite: Honors Algebra II with a grade of B or above, or grade of an A in Algebra II and teacher recommendation.

Advanced Placement Courses

40114 Advanced Placement (AP) Statistics

1 Credit

This college level course will explore such topics as experiments, data collection, data analysis, averages & variation, probability, normal distributions, sampling distributions, estimation, hypothesis testing, regression, correlation, and chi-square distributions. Upon successful completion of this course, students who have completed the two semester statistics sequence may opt to take the AP Statistics exam to earn college credit.

Prerequisite: Honors Algebra II or Pre-Calculus

40109 Advanced Placement (AP) Calculus

1 Credit

Calculus is an advanced placement course in which the student may receive college credit upon successful completion of an examination. The course begins with a quick review of elementary functions. This includes the properties and graphs of algebraic, exponential, logarithmic, & trigonometric functions. Limits and continuity of functions are discussed and related to derivatives of functions; applications of the derivatives such as curve sketching and extreme value problems are taught. Techniques of integration and applications of the integral, which include area between curves and volumes of solids, are also presented. Graphing calculators are used extensively in this course.

Prerequisite: Pre-Calculus and permission from the teacher of record.

PHYSICAL EDUCATION/HEALTH

00001 Freshman Entry Physical Education

1/2 Credit

Freshman PE will cover a wide variety of activities including fitness, team sports, and individual/net sports. This class will act as an introduction to each of the class offerings that students will have the choice to take later on as upper classmen at Lake Region. Each unit covered will provide students with multiple opportunities to become proficient in the core skills and techniques to be successful in later PE classes.

00012 Health Education

1/2 Credit

This is a required semester course that will be completed in the freshman year. Students will engage in activities and assignments that assess and analyze their own personal habits in nutrition, fitness, and mental health. They will choose health-related topics to research, learn some basic first aid skills, practice effective communication skills, and discuss stress management. Students will practice problem-solving and conflict resolution techniques, identify body organs and functions, and understand the aging process. They will learn about disease prevention through lifestyle choices and identify factors that can contribute to poor health, including those related to sexual health and substances. The focus is on developing and maintaining healthy lifestyles through personal skills and responsibility.

00005 Fitness/Weightlifting

1/2 Credit

Fitness/weightlifting will offer students the opportunity to create and implement a term long fitness plan based on goals created in the beginning week of the class. Students with no weightlifting experience are encouraged to take this class and learn a lifestyle to promote health and fitness. This class will be mostly centered around the LR weightlifting and cardio facility, but at times may use other spaces (gym, outside) in order to offer students a wide variety of fitness activities. Lastly, this class will act as an introduction to exercise science and cover how physical activity affects our bodies; students will learn the basics of anatomy and physiology as well.

00006 Team Sports

1/2 Credit

Team sports will offer students the opportunity to participate in a wide variety of team sports with

their fellow classmates. This class requires teamwork and communication skills to be successful. Some of the units covered include but are not limited to ultimate frisbee, flag football, floor hockey, handball/speedball, lacrosse, softball/wiffle ball, and basketball.

00008 Individual/Net Sports

1/2 Credit

Individual/net sports will offer students a wide variety of activities to participate in individually, or in small groups. This class will help students explore lifelong sporting activities they can participate in without a team. Some of the units covered include but are not limited to orienteering, golf, disc golf, pickle ball, badminton, cross country skiing, snowshoeing, tennis, and archery.

80113 Personal Wellness 1/2 Credit

Personal Wellness is an elective semester course that combines wellness with independent living skills. It is a project based class that includes financial literacy, professionalism, life skills, emotional and social health, mindfulness, nutrition and meal planning, self-care, complementary therapies, hobbies, environmentally healthy living, with fitness activities one day a week. Students develop resumes and cover letters, research and analyze car and home expenses, plan healthy meals and shopping lists, create budgets, and practice interview skills. They also learn a breadth of healthy lifestyle habits that promote physical and mental well-being.

***** PLEASE NOTE: All students are required to wear appropriate athletic clothing for PE activities.**

OTHER - Elective

80110 Introduction to Helping Careers

1/2 Credit

This elective is for students who may be interested in a career in healthcare, education, or social services and want to learn more about human growth and development and nutrition. Students will research and compare public service careers. They will study the physical, emotional, social, and cognitive changes throughout the various stages of human development. Students will analyze factors that influence food choices and understand how nutrition impacts various areas of health. Each student will choose a specific population or age group to focus on, research local and global needs and develop strategies to address those concerns.

Prerequisite: Health, grades 10-12

SCIENCE

Science Department - Core Courses

As a graduation requirement, all students are required to earn 3 or 4 Science credits and are encouraged to earn more. The first two courses, Earth & Space Science and Biology, are required of all students.

Grade 9 - Earth Science

50101 Honors Earth and Space Science

1 Credit

This rigorous Next Generation Science Standards (NGSS)-based course delves into the frameworks of Space Systems, History of Earth, Earth's Dynamic Systems, Weather & Climate, and Human Sustainability. Educational practices will include questioning and problem solving, modeling, investigations requiring data collection and computation, independent technical research, and communication of critical issues facing the planet.

50103 Earth and Space Science

1 Credit

This demanding NGSS aligned course investigates a broad spectrum of Earth and Space Systems and Cycles. Earth's place in the Universe, Weather and Climate, Earth's Interior, Energy and Matter, and Human Impacts are some of the topics explored through a variety of classroom and take-home work experiences.

50105 Applied Earth and Space Science

1 Credit

This challenging NGSS course emphasizes questioning and problem-solving, Modeling Systems and Cycles of Matter and Energy. Land, Air, Water and Space will be investigated with both global and local perspectives. Learning experiences will require communication and collaboration, while emphasizing independent skill building.

Prerequisite: Guidance or Department recommendation

Grade 10 - Biology

Note: Grade 10 Biology must be completed before progressing to third science.

50112 Honors Biology

1 Credit

This rigorous course is guided by the Next Generation Science Standards and is an in-depth exploration of the living world. The course is divided into four major units: Ecology, Cellular Biology, Genetics and Evolution. Life will be explored at different scales of complexity from molecules to ecosystems. Students will come to understand the patterns of interactions at these different scales and will investigate the interconnectedness of the living and nonliving world. Students will be challenged by individual and collaborative projects and labs which will build skills in organization, observation, data collection and analysis.

Prerequisite: Honors Earth Science or department approval

50127 Biology

1 Credit

Guided by the Next Generation Science Standards, this of Biology investigates the topics of Ecology and Cellular Biology, and will feature units in Genetics and Evolution. Building skills in organization, observation, data collection, analysis and conclusions is an essential part of making this course relative to real life experience and current scientific issues. Group work and individual projects are devised to challenge and engage students in a higher level of understanding of the cell, bacteria, protists, viruses, and classification. Students are evaluated on their notebooks, test scores, lab write-ups, homework and projects.

Prerequisite: Earth Science

50129 Applied Biology

1 Credit

Guided by the Next Generation Science Standards, this course will address Ecology, Cellular Biology, Genetics and Evolution. The living world will be explored at different scales of complexity from molecules to ecosystems. Students will come to understand the patterns of interactions at these different scales and will be challenged to explore the interconnectedness of the living and nonliving world. Students will build skills in organization, observation, data collection and analysis. This course will be tailored to meet the needs of all students.

Prerequisite: Applied Earth Science, Guidance Department recommendation

Grade 11 & 12

50134 Junior/Senior Integrated Science

1 Credit

This is a general science course that delves into the applications of Physical, Life and Earth Science. Throughout the year, students will explore current science events and engage in learning opportunities that develop skills and depth of knowledge through a variety of projects and problem-solving activities.

Prerequisite: Earth Science, Biology, and department approval

50117 Honors Chemistry

1 Credit

Choose This Course If... your future plans include any type of college-level science or engineering coursework OR if you are just interested in science and enjoy a challenge!

Overview: This is a rigorous science course designed to prepare students for introductory college science courses. There will be a strong emphasis on exploring topics both mathematically and conceptually, with hands-on labs accompanying most topics. Labs range from short guided activities to longer student-designed experiments and/or projects requiring lab reports and/or presentations. Students are expected to come into the course with strong study skills, fluency with basic algebra, and an eagerness to learn challenging content both within a supportive classroom community during class time and through regular homework. Students will work primarily in small permanent teams and are expected to develop their collaboration and leadership skills throughout the course.

Topics Covered: 1) *Basics of Matter & the Nature of Science*, 2) *Atoms & Quantum Theory*, 3) *the Periodic Table, Periodicity, & Chemical Bonding*, 4) *Chemical Reactions & Stoichiometry*, 5) *Thermochemistry & Gas Laws*, and 6) *Solutions, Kinetics, & Equilibrium*. If time permits, additional topics, such as *Nuclear Chemistry, Acids & Bases, Organic Chemistry*, and/or *Materials Science* may be covered as well.

Prerequisite: A strong grasp of Algebra and Honors Biology or department approval

50116 Chemistry

1 Credit

Choose This Course If... you are interested in learning more about science and the world but are *not* necessarily planning to study science or engineering in college (or go to college at all).

Overview: Unlike Honors Chemistry, this course is primarily designed to help students develop a deeper understanding of the physical world around them and the ability to apply scientific thinking to current real world problems, rather than focusing on preparation for college science. There is focus on conceptual understanding as well as making connections between scientific concepts, real world phenomena, and ethics, culture, and public policy. Frequent hands-on activities will accompany most topics, ranging from guided activities to student-designed labs and/or projects involving debates and/or presentations. Students will work in permanent teams and are expected to develop their collaboration and leadership skills throughout the course. Lessons are largely discussion and lab-based, so attendance and engagement during class are both critical for success.

Topics Covered: 1) *Searching for Life in Space* (matter, atoms, quantum theory, bonding, light, the periodic table), 2) *Fuels & CO₂* (chemical reactions, moles, thermochemistry, gases), and 3) *Ocean Acidification & Shellfish* (acids & bases, reaction rates, equilibrium, solutions). If time permits, additional topics including *Nuclear Chemistry*, *Polar Ice & Sea-Level Rise*, *Organic Chemistry*, and/or *Materials Science* may be covered as well.

Prerequisite: Algebra I, Earth Science and Biology

50111 Anatomy & Physiology 1 Credit

This course is a study of the structure and function of the human body. This class addresses the inner workings of the human body through the study of body systems. There will be an emphasis on how the structure of cells, tissues, organs and organ systems relates to their respective functions. Throughout the course, a number of body systems will be addressed which will include many of the following: Integumentary, Skeletal, Muscular, Digestive, Circulatory, Respiratory, Nervous, Endocrine, Lymphatic, Immune and Reproductive Systems. This is an important course for anyone considering a career in health sciences.

Prerequisite: Chemistry or Honors Chemistry

50107 Physics

1 Credit

Physics is the study of the rules and laws of the physical world. Much of the course is dedicated to using logic to understand physical systems. Topics may vary but will include basic mechanics. Science and math will intersect in laboratory experiments and group projects and will help to support an understanding of the physical world. This course is designed for curious juniors and seniors who have a strong mathematical background.

Prerequisite: Successful completion, or current enrollment in Algebra II

50133 Locavore Science: Cheese, Bread, and Fermentation

1/2 Credit

This course will study the biological foundations of the making and production of these three specific local food products: cheese, bread, and fermented items. Students will investigate the process with hands-on labs in the class regarding each food item. The follow-up to the science of making these products may include a visit to a local processing center that focuses on these products. Students will be quizzed and graded on the science of these products and given Portfolio tasks for the research, development, and communication involved in the future of these products as businesses in the Northeast Kingdom.

Prerequisite: Successful completion of Biology and Algebra I

50124 Climate Science

1/2 Credit

This interdisciplinary course is designed for motivated Juniors and Seniors looking to learn more about *the most pressing and urgent issue facing humankind, Climate Change*, for which today's youth will be forced to find global and local solutions. Students will be challenged to learn how Chemistry, Physics, Earth Science, and Biology all intersect. The course will explore the basic science behind climate, as well as the role technology plays in both the problems and possible solutions to the Climate Crisis. Students will participate in hands-on labs, analyze data, model complex systems, and learn how they can be part of local, state, national, and global solutions to this crisis beyond just recycling and turning the heat down!

Prerequisite: Successful completion of Biology and Algebra I

Forensics Science

1/2 Credit

This science class explores the application of scientific principles, primarily from Biology and Chemistry, to analyze and interpret evidence found at crime scenes. These could include the use of techniques like fingerprint analysis, DNA profiling, blood typing, fiber analysis, ballistics, and trace evidence collecting while emphasizing proper crime scene investigative procedures. Also included are critical thinking skills to solve simulated criminal cases. Students will engage in hands-on laboratory activities to practice these techniques and develop an understanding of the legal system's role in forensics science.

***** Also see VOAG courses listed on pages 62-63 for courses with embedded science credit.**

Advanced Placement Courses

50121 Advanced Placement (AP) Physics I

1 Credit

AP Physics I is a rigorous, college-level, algebra-based course that covers mechanics. Students will learn how to apply algebra and trigonometry to physical systems in order to understand how the universe works on a fundamental level. Students will be expected to engage with difficult classwork, complete frequent inquiry-based lab activities, and handle a consistent homework load. Students should enjoy challenges and bring strong study, math, collaboration, and computer skills to their work. Students should plan on taking the AP Physics I (Algebra-Based) exam in May.

Prerequisite: Success in Honors Algebra II (completion of Pre-Calculus and concurrent enrollment in Calculus recommended) or department approval

50122 Advanced Placement (AP) Biology

1 Credit

Advanced Placement Biology is a college-level course introducing students to principles and processes of biology on a molecular level. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: biochemistry, cellular biology, energetics, communication, genetics, evolution, and ecology.

The class focuses on laboratory experiences and hands-on experiences to provide students with the opportunity to apply the science practices. Students will be prepared for and may choose to take the AP Biology exam in May.

Prerequisite: Successful completion of, or current enrollment in Algebra II, completion of Honors Biology and Honors Chemistry, or department approval

SOCIAL STUDIES

Grade 9 - 11 – Core Courses

Notes: As a graduation requirement, all students are required to earn 3 ½ Social Studies credits. The first three years, World History for 9th graders, US History for 10th graders and Global Citizenship for 11th graders, are core courses required for all students. Students who choose to take two Advanced Placement courses may opt out of the Global Citizenship requirement. All courses are structured around content, performance based standards, as required by VT Educational Quality Standards, and may be used to fulfill the requirements of the LRfolio for graduation. The remaining ½ credit may be elected and fulfilled both at Lake Region, via VTVLC, or through the dual enrollment program.

All courses will integrate the four performance standards areas of focus: inquiry, examination of evidence (through the interdisciplinary lenses of history, economics, civics, and cultural geography), analysis and communication as democratic action. These standards have been developed and supported by the National Council of Social Studies and the Vermont Performance Based Graduation Requirements. Students will be expected to be proficient in these skills in response to essential questions, and to rework non-negotiable assessments until proficiency is met. Students' Habits of Work in pursuing these standards will also be assessed. Students who do not meet proficiency by the end of grade 11 will need to engage in a plan approved by the teacher of record for meeting standards. Entrance to the elective program will depend upon completion of this plan. Adjustments may be made to accommodate students' personalized learning plans.

Grade 9 – World History

20104 Honors World History

1 Credit

The Honors World History curriculum is college and career preparatory, focusing on both historical content and proficiency-based inquiry standards. The Renaissance to the present will be explored in addition to the inquiry methodology of the social scientist, i.e. the social studies. This course will provide an in-depth look at historical perspectives, requiring collaborative work and independent study and research, providing multiple pathways for students to demonstrate proficiency. Reading comprehension and writing above grade level are essential for success, as well as self-reliance and perseverance.

20106 World History

1 Credit

The World History curriculum is college and career preparatory, focusing on both historical content and proficiency-based inquiry standards. The Renaissance to the present will be explored in addition to the inquiry methodology of the social scientist, i.e. the social studies. This course will provide an in-depth look at historical perspectives, requiring collaborative work and independent study and

research, providing multiple pathways for students to demonstrate proficiency. Reading comprehension and writing at or near grade level are essential for success, as well as perseverance. Students will develop reading, writing and note-taking skills.

20108 Humanities World History

1 Credit

Humanities offers direct instruction in reading, writing and study skills in order to develop grade level fluency, comprehension and vocabulary. Students will work to ensure mastery of these goals via social studies content of the Renaissance to the present, while also covering the basic principles of civic, cultural, and economic content. Students taking Humanities are required to engage the curriculum with the Humanities English class.

Grade 10 – US History

20110 Honors US History

1 Credit

The Honors US History curriculum is college preparatory, focusing on both historical content and proficiency-based inquiry standards. The Era of Reconstruction through the Vietnam Era (1865 to the present) will be explored in addition to the inquiry methodology of the social scientist, i.e. the social studies. This course will provide an in-depth look at historical perspectives, requiring collaborative work and independent study and research, providing multiple pathways for students to demonstrate proficiency. Reading comprehension and writing above grade level are essential for success, as well as self-reliance and perseverance.

20112 US History

1 Credit

The US History curriculum is college and career preparatory, focusing on both historical content and proficiency-based inquiry standards. The Era of Reconstruction to the present will be explored in addition to the inquiry methodology of the social scientist, i.e. the social studies. This course will provide an in-depth look at historical perspectives, requiring collaborative work and independent study and research, providing multiple pathways for students to demonstrate proficiency. Reading comprehension and writing at or near grade level are essential for success, as well as perseverance. Students will develop reading, writing and note-taking skills.

20114 US History Humanities

1 Credit

Humanities offers direct instruction in reading, writing and study skills in order to develop grade level fluency, comprehension and vocabulary. Students will engage these goals via social studies content of the Era of Reconstruction to the Vietnam Era while also covering the basic principles of civic, cultural, and economic content.

Grade 11 - Global Citizenship

20122 Global Citizenship

1 Credit

Global Citizenship is structured upon the Inquiry process learned in the 9th and 10 grades, providing students the opportunity to engage in independent research on social issues of their own choosing.

Students will experience a structured curriculum regarding citizenship, including the following topics: Recent History of the '70s to Today, Social Science Methodology, Identity & Culture, Social Institutions & Organization, Social Inequality, Economic Inequality, Sustainability and Citizenship & Social Change.

Grade 11 & 12 Advanced Placement Program

Notes: Students must take two APs to meet the Global Citizenship graduation requirements. The AP program requires a strong independent work ethic and Habits of Work. To assure success, students should be leaving the grade 9/10 Honors program with an 80% average. Past data shows that students who fall below this threshold and/or struggle with Habits of Work, tend to not be successful in the AP environment. Seniors who did not participate in the Honors/AP program in grades 9 - 11 but have successfully completed the required courses, may elect to take an AP with teacher of record permission.

AP students receive one extra GPA point towards their cumulative grade point average. This gives students a considerable advantage when applying for college and scholarships. For students seriously considering social studies as a major in college, taking all three APs is highly recommended. Universities respect the rigor and consistency of AP courses, and at many, AP students are allowed to opt out of 100 level freshman course requirements.

20120 Advanced Placement (AP) Psychology

1 Credit

This course will familiarize students with important psychological concepts, research findings and the basic principles of human behavior, replicating a typical university-level Intro to Psych course. Scientific analysis of each student's own field of research will be emphasized. Outside reading and

study are essential requirements of this course. An emphasis will be placed on preparing students to be successful on both the AP Psychology exam as well as in college course.

91181 Advanced Placement (AP) Human Geography

1 Credit

The course curriculum encompasses the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The units in the course focus on topics including thinking geographically, population and migration, culture, political geography, agriculture, urban geography, and development and industrialization. Students will have multiple opportunities to apply the information addressed in each unit in activities including note-taking, current events, projects, and formative and summative assessments. If students have not taken AP US Government and Politics, to fulfill the US Citizenship portion of Global Citizenship graduation standards, students must engage in an additional unit of study after the AP exam that is not part of the College Board curriculum.

20109 Advanced Placement (AP) US Government and Politics

1 Credit

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments (College Board, 2020).

The course is developed by the College Board, and has been endorsed by the National Constitution Center, a non-partisan, private foundation whose mission is to “disseminate information about the US Constitution (College Board, 2020).”

Grade 12 – Standard Electives

Notes: These courses are open to any Grade 12 student who has completed the 9th - 11th grade program or are actively engaged in a completion plan as approved by the school counselor. Which electives are offered each year, and the number of sections, is determined by student sign-ups and teacher availability.

20119 Street Law

1/2 Credit

This course will examine the criminal justice system, individual rights and responsibilities under the law, and juvenile justice. Community resources and speakers will supplement the curriculum. Students are expected to complete a research project.

20123 Spycraft

1/2 Credit

This course will examine the history and methods of intelligence collection and spying activity throughout history. From ancient times to the modern era, students will investigate the methods, practices, and tradecraft associated with espionage. Students will determine various means of intelligence collection methods and will use these skills to examine current issues such as extremism, global conflict, and cyber security threats.

20124 Vermont and Local Studies

1/2 Credit

This interdisciplinary course will make a wide-ranging inquiry into the history, government, geology, geography, economy and future of the State of Vermont and the Northeast Kingdom. Since there is no textbook, attendance is extremely important for success in this course. Note: This course does not teach skills necessary for college preparation.

20133 History of War and Warfare (Part 1- Ancient - Medieval)

1/2 Credit

Students will examine the developments and revolutions in military affairs from Prehistory through Medieval Warfare; including examining the nature and philosophy of war, development of weapons and tools, chivalry/warrior codes/rules of war, and the intersection of war and nation/state building.

21120 Psychology

1/2 Credit

This course will introduce psychology, the scientific study of the mind and behavior - how we think, feel and behave. Each of the six psychological perspectives will be presented, preparing the student for a typical college-level Intro to Psych course. This course would be particularly useful to college-bound students planning to major in education, human services or social work.

21121 Holocaust and Genocide

1/2 Credit

Students will critically examine the steps towards and resistance to genocide. Starting with our own identities, we will explore what allows humans to turn on one another. We will end with a focus on international organizations today who fight all forms of genocide.

History and Film

1/2 Credit

Students will select a variety of historic films to analyze for historic accuracy. Film and historian reviews along with primary document research will make up the reading for the class. Students will have a variety of LRFolio task options to present their critical thinking.

Comparative Religions and Cultures

1/2 Credit

Religions and spiritual beliefs provide meaning and inspiration for many people around the globe; so understanding the major religions is important to be an informed and responsible citizen. Students will compare and contrast the world's religions, and explore how various belief systems interact with one another. Include Abrahamic, East-Asian, Indian, primal-indigenous, modern/neopagan religion groups.

TECHNICAL/VOCATIONAL

Technical

60134 2-D Computer Aided Design (CAD)*

1/2 Credit

This introductory CAD course teaches students professional 2D drawing techniques for drafting precise technical sketches. Through hands-on projects using industry-standard CAD software, students will develop skills to visualize, layout, dimension, and annotate technical drawings. Leveraging math skills including fractions, decimals and geometry, students will learn orthographic projection, isometric views and design conventions needed to draft accurate diagrams, blueprints, and schematics.

The 2D CAD skills honed in this course build an essential foundation for professional engineering and design careers spanning manufacturing, construction, robotics and beyond
*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

60135 3-D Computer Aided Design (CAD) *

1/2 Credit

In this course, students will elevate their 2D CAD drafting skills to the next level by mastering 3D modeling. Using industry-leading CAD software, participants will learn to transform technical drawings into intricate 3D models. From mechanical designs to architectural structures, attention to detail is paramount. Mathematical concepts, including fractions, decimals, and geometry, will be leveraged to create and manipulate realistic 3D forms. Additionally, students will explore the entire workflow, including model preparation and 3D printing techniques.

By acquiring real-world 3D modeling expertise, students gain a competitive edge in STEM and technical fields, from robotics to manufacturing.

Prerequisite: 2D Computer Aided Design (CAD)

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

Vocational Agriculture

The Lake Region Union High School Vocational Agriculture Program serves Lake Region students with hands on career-based courses, as well as offering a wide variety of specialty courses that allow students to explore their personal interests. Instructional areas include welding and metal fabrication, greenhouse operation, natural resources, woodworking, landscape design, aquatic ecosystems (fish farming), alternative energy, and much more. All of these courses are offered on the campus of Lake Region Union High School.

70171 Alternative Energy and Sustainability*

1 Credit

This hands-on course explores alternative energy, conservation of resources and green building practices. Students will gain experience in these areas by researching, building, creating and evaluating projects they create. They will explore Electricity, Photovoltaic Solar panel design, Passive solar oven design, Hot water solar design, Biofuels, Hydroelectric Power, Wind turbine design, Green building construction practices, Hydrogen fuel cells and electric powered vehicles. As time will allow, we will visit a wind farm, solar field, hydroelectric power station, and a methane digester.

Prerequisite: Earth Science and Biology

*(Successful completion of this course may fulfill 1 credit of the science graduation requirement).

70105 Creative Woodworking*

1/2 Credit

This course is designed to give students experience in the creative art of woodworking and cabinetmaking. Students will explore all aspects of woodworking, from reading blueprints and measuring with accuracy, to creating wooden joints and inlays. They will learn how to safely use hand and power tools commonly used in the woodshop. They will learn about different types of wood and how they can be used in the woodworking process. Students will create a variety of wood projects, each building on the experience gained from the previous project. Students will also learn state of the art CNC or computer controlled woodworking.

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

70108 Horticulture/Greenhouse Management*

1 Credit

Students will explore many aspects of plant science. Horticulture is the study of plants. Students will explore plant identification, plant nutrition, soil composition, fertilizers and plant diseases. Students will create floral arrangements, terrariums, hydroponics systems, Bonsai trees, and more.

Greenhouse operation is applying horticultural practices into an artificial environment. Students will explore types of greenhouses, setting up a greenhouse, artificial lighting, temperature control, proper water application, and fertilization in preparation for their annual plant sale. Students will be learning and doing different types of tree grafting. Students will start and grow seeds and plants in the Lake Region greenhouse environment. If time allows, students will visit commercial nurseries and the Montreal Botanical gardens.

Prerequisite: Earth Science and Biology

*(Successful completion of this course may fulfill 1 credit of the science graduation requirement).

70143 Art of Welding*

1/2 Credit

This course is designed to give students basic beginning welding knowledge and experience.

Students will learn welding on state-of-the-art equipment in our welding department. Students will look at the different types of metals we can weld, different types of welds and different methods of welding. We will discuss safety and the proper clothing used in the industry. We will explore four main types of welding: mig, stick, tig, and aluminum.

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

70109 Natural Resources*

1 Credit

Students will explore a variety of different agriculture-related topics such as soil, water, and forests and how they interact within the earth's systems. Students will focus on propagating, growing, and caring of outdoor plants and how to utilize the different resources sustainably. Students will study tree identification, fruit tree care, pruning, grafting, and air layering techniques. Students will explore soil composition, soil components, fertilizers, and soil amendments (composting). All the topics will be tied to exploring careers that rely on utilization and care of our natural resources.

Prerequisite: Earth Science and Biology

*(Successful completion of this course may fulfill 1 credit of the science graduation requirement).

WORLD LANGUAGES

French

30100 French I 1 Credit

This course is an introduction to the French language as it is currently used in Europe, the Americas and throughout the world. Students can expect to listen, speak, read and write within a broad cultural context. The student should also expect to engage in daily conversation in the target language. Awareness, understanding and respect of other cultures and their diversity are an integral part of this course.

Skills to be acquired include: conjugate a verb in the present tense; understand adjective agreement, syntax of basic declarative sentences and interrogative sentences; recognize the phonics of the language; respond to basic questions; make comparisons.

Vocabulary: numbers; family; politeness; time qualifiers; travel vocabulary; food and shopping vocabulary; prepositions.

Students taking French I will read short novels and write short compositions.

30102 French II 1 Credit

This course is a continuation of French I. Students can expect to listen, speak, read and write within a broad cultural context. The student should also expect to engage in daily conversation in the target language. Awareness, understanding and respect of other cultures and their diversity are an integral part of this course.

Skills to be acquired include: understand syntax of present and past tenses; use object pronouns; understand syntax of imperative sentences; express frequency; sequence.

Vocabulary: health; sports; hobbies; technology; prepositions.

Students taking French II will read short novels and write compositions.

30103 French III 1 Credit

This course is a continuation of French I and II, with further opportunities for individual expression and cultural study. Students can expect to listen, speak, read and write within a broad cultural context, almost exclusively in the target language. The student should also expect to engage in daily conversation in the target language. Awareness, understanding and respect of other cultures and their diversity are an integral part of this course.

Skills to be acquired include: adverb formation; understand and produce future and conditional tenses.

Vocabulary: environment; professions and careers; celebrations.

Students taking French III will read authentic French literature, write more complex compositions and travel abroad to Quebec.

30104 French IV 1 Credit

This course is a further expansion and application of language skills learned in prior years, with additional emphasis on literature as well as cultural study and individual expression. Students can expect to listen, speak, read and write within a broad cultural context, almost exclusively in the target language. The student should also expect to engage in daily conversation in the target language. Awareness, understanding and respect of other cultures and their diversity are an integral part of this course.

Skills to be acquired include: idiomatic expressions; understand and produce subjunctive tense as well as complex past tenses; grammar review and integration. Vocabulary: the fine arts; linguistics.

Students taking French IV will read authentic French literature, write more complex compositions and travel abroad to Quebec.

Spanish

30110 Spanish I 1 Credit

This semester-long course is an introduction to the Spanish language as it is currently used in the Americas and throughout the world. Students will learn to speak, listen, read, write and present in Spanish. We use a variety of source material including Spanish language news, articles, movies and television shows. Awareness, understanding and respect of other cultures and their diversity are important parts of this course. Students will also learn the basic customs, traditions and culture of Mexico. Projects will include designing comic strips, slide shows, infographics and movies. Students will have the option to take the National Spanish exam, Level 1 in the spring.

Skills in Spanish 1: how to conjugate verbs in the present tense; understand adjective agreement, write grammatically correct simple and compound sentences, how to respond to basic questions; make comparisons, and do short presentations for classmates.

Using the *Descubre I* textbook, students will learn: introductions; greetings; basic courtesies; classroom and school words; classes; family words; pastimes and hobbies; numbers; all aspects of student and family life including sports, activities.

Students taking Spanish have the opportunity to participate in cultural projects and holidays, learn traditional songs, create cultural art pieces, and cook Hispanic food.

30111 Spanish II 1 Credit

This semester-long course is a continuation of Spanish I, and completes a full complement of Advanced Novice language learning. Students can expect to listen, speak, read, write and present with more complexity than Spanish 1. Students will engage in daily conversations in Spanish. Students will continue to use authentic, primary source materials including more complex sources online. We continue to add to our knowledge of traditions, customs and cultural aspects of Mexico. Projects include designing infographics, slideshows, movies and stories in Spanish. Students will have the option to take the National Spanish exam, Level 2.

Skills in Spanish 2: Continuing in the *Descubre I* book, students will learn: pastimes and hobbies; months, weather and seasons; making plans; household routines; personal routines; and traveling. Students will learn the full range of present tense verbs, as well as using multiple verbs and adjectives.

Students taking Spanish 2 have the opportunity to participate in cultural art projects and holidays, learn traditional songs, prepare a meal for the community, and create cultural art projects. Students in Spanish 2 have the opportunity for international travel.

30112 Spanish III 1 Credit

Students who continue in Spanish 3, a semester-long class, are making a commitment to the next level of language study. Assignments and projects become more complex, and the level of engagement and pacing also increases. Students will attempt to engage with Spanish at least half of the time. We continue to use multiple sources. Students will read a novella in Spanish for the final project. Projects Students will have the option to take the National Spanish exam, Level 3.

Skills in Spanish 3: We finish the *Descubre 1* textbook; we focus on understanding the simple past tense, the lazy future and obligations tenses, vocabulary about food and celebrations as well as personal care and describing their daily routines.

Students taking Spanish have the opportunity to participate in cultural art projects, travel to the Dartmouth Hood Museum for a guided tour of Jose Orozco's mural, learn traditional songs and travel abroad.

30113 Spanish IV 1 Credit

This course is a further expansion and application of language skills learned in prior years, with additional emphasis on literature as well as cultural study and individual expression. Students can expect to listen, speak, read and write within a broad cultural context, almost exclusively in the target language. The student should also expect to engage in daily conversation in the target language. Students will continue to use authentic, primary source materials in the target language including short stories, newspaper articles, podcasts, online resources, and films. Students will read two short novels in both Spanish and English over the course of the semester. Awareness, understanding and respect of other cultures and their diversity are integral parts of this course. Students will have the option to take the National Spanish exam, Level 3.

Skills in Spanish 4: We move into the next level of textbook *Descubre 2* learning about technology, health and well-being as well as more complicated tenses like the Imperative and the Subjunctive.

Students taking Spanish have the opportunity to participate in cultural art projects, learn traditional songs, travel to the Dartmouth Hood Museum for a guided tour of Jose Orozco's mural, and travel abroad.

OTHER

06100 Yearbook Class*

1 Credit

The yearbook class is multifaceted. Students use desktop publishing and computer graphics, develop skills in photojournalism, writing and editing, and apply business and management techniques. The creative skills include brainstorming ideas for design, layout and presentation from both the overall design to the individual pages; copywriting and digital photography. The business skills include planning, budgeting, project management, selling advertising and marketing.

*(Successful completion of this course may fulfill 1 credit of the art graduation requirement).

06101 Television/Media Production I *

1/2 Credit

This dynamic, hands-on course offers students an inside look at the world of media production as they collaboratively plan, film, star in, and edit LRTV every day. Students will gain firsthand experience with studio equipment while tackling both creative and technical roles - developing story ideas, drafting scripts and shot lists, acting, directing, camera operation, lighting, sound, editing and more!

The course emphasizes real-world skills like improvisation, problem-solving, teamwork, and learning through experience. Students should expect frequent on-camera roles requiring strong reading, memory and presentation abilities. Course projects ranging from commercials to short films will populate portfolios aimed to impress prospective colleges and employers seeking the next generation of artistic yet technically-savvy video producers.

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

06102 Television/Media Production II *

1/2 Credit

This course propels students to new heights of creative vision and technical mastery in digital video production, and may also require production of the daily LRTV broadcast depending on enrollment numbers. Through intensive pre-production development, students will write treatments and scripts, storyboard complex camera work and scene sequencing, and explore lighting techniques. Students will work with sophisticated camera and lighting gear as well as personal cell phones to shoot inventive short films, dynamic music videos, compelling documentaries or eye-catching motion graphic projects.

For those seeking to elevate their creative perspectives and technical video production prowess, this course unlocks a new world of possibility.

Prerequisite: Television/Media Production I

*(Successful completion of this course may fulfill 1/2 credit of the fine arts graduation requirement).

EXPANDED LEARNING OPPORTUNITIES

Expanded Learning Opportunities (ELOs) are aligned with LRfolio expectations and the student's Personalized Learning Plan (PLP). Students are guided in aligning their ELO with LRfolio expectations and their Personalized Learning Plan (PLP), which allows students to pursue their personal interests in an atmosphere of "supported independence." ELOs feature an ongoing personalized learning planning process that offers students other high-quality educational experiences, creating opportunities for students to pursue flexible pathways to graduation, documented through evidence aligned with LRfolio Graduation Proficiencies. In all ELOs, growth mindset, self-motivation, and time-management skills are key to student success. These opportunities are currently available to all Juniors and Seniors.

91184, 91186 Independent Learning Opportunity *

Independent Learning Opportunities (ILOs) are a way for students to personalize their proficiency-based learning. Working alongside teachers, school counselors, and other supportive adults, students assume increased responsibility for their education, designing their own pathways to learning and identifying the strategies for learning and evidence of growth.

*(Credit earned will be determined based on the Independent Learning Opportunity Agreement)

91175 Dual Enrollment College and VTVLC Online Learning Opportunities *

Students need to meet with Mr. Chamberlin to discuss these opportunities. There are specific registration requirements for both Dual Enrollment college courses and Vermont Virtual Learning Cooperative (VTVLC) online courses. Mr. Chamberlin will explain the requirements and support students in the registration process, however it is the student's responsibility to complete each step and meet subsequent deadlines.

*(Parent acknowledgement of their student's participation is required through a signed "Agreement of Understanding.")

PART IV - NORTH COUNTRY CAREER CENTER

The North Country Career Center offers all students the opportunity to participate in quality technical education programs, whether they are planning to move directly into the workplace or continue their education post high school. All NCCC instruction includes classroom and applied learning experiences using state-of-the-art industry-based equipment. The programs cover a broad range of industries with dual enrollment, articulation to post high school opportunities and Industry Recognized Credentialing. Programs are open to Juniors and Seniors. Students leave NCCC with a career portfolio, entry level work place skills, and foundation skills to further their education in a specific career path.

Below is a list of course offerings at the North Country Career Center. For NC Career Center course descriptions, stop by the Lake Region School Counseling Office or go to the LR website at www.lruhs.org

Program Offerings

- o Animal & Environmental Systems Science
- o Building Trades
- o Business Leadership & Marketing
- o Computer Programming & Game Design
- o Cosmetology
- o Culinary Arts
- o Engineering & Digital Fabrication (formerly STEM)
- o Health Sciences
- o Heavy Equipment Operation & Maintenance
- o Human Services
- o Natural Resources
- o Transportation Science Technology
- o Welding & Metal Fabrication

LAKE REGION UNION HIGH SCHOOL

ADMINISTRATIVE PROCEDURE

2026-2027 School Year

BUS DISCIPLINE – TRANSPORTATION

NORTH COUNTRY CAREER CENTER – TRANSPORTATION PROCEDURE

Parents: Please read and discuss with your child the following procedure for students attending classes at the North Country Career Center. Students will be bussed to the Career Center. Students will only be allowed to drive if they have been given prior approval from the Administration.

Students: You must be on time for bus departure. If a student misses the bus, she/he must report to the LRUHS Office. Students who miss the bus will remain at Lake Region.

If a student drives to the Career Center or rides with another student without permission from the Administration, they will:

1st Time: Receive a “warning”, and a letter acknowledging the consequence of a second violation. Communication will be made with the parent(s) and a meeting may be scheduled.

2nd Time: Be required to meet with parent(s)/guardian(s) and Mr. Chamberlin.
May be removed from their program.

Student’s Signature

Parent’s Signature

Student’s Name (PRINTED)

Date of Agreement

Assistant Principal