

Academic and Career Planning Guide



**Laconia High School
301 W Division Street
Rosendale, WI 54974**

2025-2026

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The Rosendale-Brandon School District, in accordance with state and federal law, does not discriminate on the basis of sex, race, color, religion, gender, sexual orientation, age, national origin, ancestry, creed, disability, military or veteran status, political affiliation, pregnancy, marital or parental status, physical, mental, emotional or learning disability or hardship, or other basis prohibited under state and federal law, in its educational and employment policies and practices. Career and Technical Education courses are available without discrimination.

Rosendale Brandon School District Academic and Career Planning (ACP)

Planning for a student's future is an important task of all schools, school personnel, and families. For this reason, our staff educate about and encourage Academic and Career planning throughout a student's four years at Laconia. ACP is a student-driven, adult-supported process in which students create and cultivate their own unique and information-based visions for post secondary success.

CAREER READINESS TEAM

Dawn Barber, Laconia School Counselor

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Jerod Felix, Laconia Technology Teacher

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Linda Sattler, Laconia Agriculture Teacher

Leanne Greff, Curriculum Director

Diane Raue, Laconia Principal

Beth Kwakkel, Youth Apprenticeship Coordinator, CESA 6

HOW DOES PLANNING HELP A STUDENT?

Increases student motivation, engagement, and school connection

Increases awareness of individual strengths and weaknesses

Improves their understanding of post secondary options

Connects educational coursework and extra curricular activities to short-term goals and long-term planning for life after high school graduation.

HOW IS ACP RELATED TO COLLEGE & CAREER READINESS?

Identifying student skills, interests, abilities bridges connections to future career choices

Understanding the Career Clusters and Pathways to Work in a preferred industry someday

Identifying the value of specific careers in the projected economy

Understanding expectations to find and sustain employment

Demonstrating academic knowledge and skills gained from core and elective coursework

Effectively evaluate post-secondary options

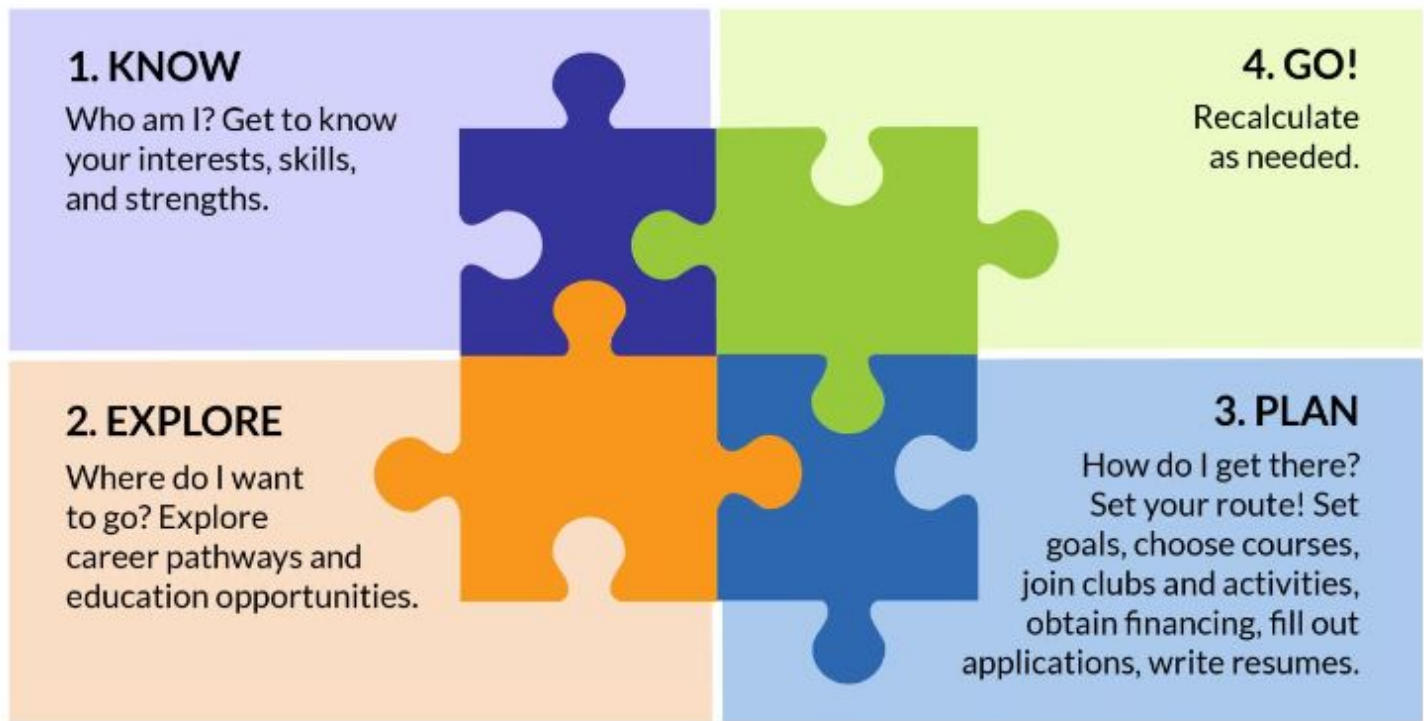
Four Stages to Successful Academic and Career Planning (ACP)

WHAT IS INCLUDED IN AN ACADEMIC AND CAREER PLAN?

- Career and Education Exploration
- Interest, Skills, and Learning Style Inventories
- Post Secondary Exploration
- Long term and short term goal setting for Career and Life Goals
- Co-curricular Activities
- Assessment Results
- Volunteer experiences
- Work Based Learning Experiences
- Awards and Honors

WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION

Why ACP Matters: <https://dpi.wi.gov/acp>



The Rosendale-Brandon School District recognizes the need to continue to grow and develop opportunities to prepare all students for a wide-variety of pathways upon graduation. Further dual credit opportunities, as well as an emphasis on attainment of industry credentials for students will continue to be priority areas in the future.

Sixteen Career Clusters & Their Pathways

Agriculture, Food and Natural Resources

Agribusiness Systems
Animal Systems
Environmental Service Systems
Food Products and Processing Systems
Natural Resources Systems Plant Systems
Power, Structural and Technical Systems

Architecture and Construction

Construction
Design/Pre-Construction
Maintenance/Operations

Arts, Audio/Video Technology, Communications

Audio and Video Technology and Film
Journalism and Broadcasting
Performing Arts
Printing Technology
Telecommunications
Visual Arts

Business Management and Administration

Administrative Support
Business Information Management
General Management
Human Resources Management
Operations Management

Education and Training

Administration and Administrative Support
Professional Support Services
Teaching/Training

Finance

Accounting
Banking Services
Business Finance
Insurance
Securities and Investments

Government and Public Administration

Foreign Service
Governance
National Security
Planning
Public Management and Administration
Regulation
Revenue and Taxation

Health Science

Biotechnology
Research and Development
Diagnostic Services
Health Informatics
Support Services
Therapeutic Services

Hospitality and Tourism

Lodging
Recreation, Amusements and Attractions
Restaurants and Food/Beverage Services
Travel and Tourism

Human Services

Consumer Services
Counseling and Mental Health Services
Early Childhood Development and Services
Family and Community Services
Personal Care Services

Information Technology

Information Support and Services
Network Systems
Programming and Software Development
Web and Digital Communications

Note: Remaining Career Clusters listed on the following page

Information obtained from: <https://dpi.wi.gov/cte/career-clusters>

Sixteen Career Clusters & Their Pathways

Law, Public Safety, Corrections and Security

- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Services

Manufacturing

- Health, Safety and Environmental Assurance
- Logistics and Inventory Control
- Maintenance, Installation and Repair
- Manufacturing Production Process Development Production
- Quality Assurance

Marketing

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

Science, Technology, Engineering and Mathematics (STEM)

- Engineering and Technology
- Science and Math

Transportation, Distribution and Logistics

- Facility and Mobile Equipment Maintenance
- Health, Safety and Environmental Management
- Logistics Planning and Management Services
- Sales and Service
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management, and Regulation
- Warehousing and Distribution Center Operations

Information obtained from: <https://dpi.wi.gov/cte/career-clusters>

Academic and Career Planning

Scope & Sequence

Month	Grade 9	Grade 10	Grade 11	Grade 12
September	Navigating PowerSchool, Study Skills	Understand GPA, Time Management, Study Skills	Start College Now, Early College Credit Planning	Introduction to scholarship timeline, College Applications, Start College Now, Early College Credit Planning
October	Xello "About Me" Completion	Xello "About Me" Completion	Review transcript, Explore Post-Secondary Options	Receive FAFSA information, College Applications, Senior Brag Sheets, Job Site Tours
November	Xello, Identify Interests and Potential Career Opportunities	Xello, Identify Skills Connected to Careers	Xello "About Me" Completion, ACT Prep	College Applications, Resume building, Job Site Tours, Job Shadows
December	Holiday Community Service and/or Volunteering	Holiday Community Service and/or Volunteering	Holiday Community Service and/or Volunteering, ACT Prep	Holiday Community Service and/or Volunteering, College Applications, Resume Building, Job Site Tour Opportunities, Job Shadows



Academic and Career Planning Scope & Sequence

Month	Grade 9	Grade 10	Grade 11	Grade 12
January	Xello, Explore Career Pathways	Develop and Practice Interview Skills	ACT Prep, Identify Personal Career Pathway	On track for graduation, Resume Building, Collect References, Job Site Tours, Xello, "About Me" Completion, Job Shadows
February	Create and plan Sophomore course selection based on their personal and academic goals	Create and plan Junior course selection based on their personal and academic goals	Create and plan Senior course selection based on their personal and academic goals, Consider ECCP/SCN Programs	Tasks to be completed for Post-Secondary Plan
March	Forward, Pre-ACT, ACT, ASVAB, Accuplacer	Forward, Pre-ACT, ACT, ASVAB, Accuplacer	ACT, Wisconsin Education Fair	Finalize Local Scholarship Application(s)
April	Balancing School, Co-Curriculars, Social Life	Explore post-secondary options	Spring Cleanup Community Service, College Application and Scholarship Information and Planning	Spring Cleanup Community Service, Review Post High School Plan, Finalize Resume
May	Review Grades, Create Plan for Summer School Volunteering	Review Grades, Create Plan for Summer School Volunteering	Consider Job Shadow Opportunities, Volunteering, College Campus Tours	Finalize Post-High School Plan, Thank Staff or Show Appreciation



Course Change Notice

The mission of the Rosendale-Brandon School District is to blend small school values with large school opportunities to inspire families, students, and staff to choose Rosendale-Brandon Schools. We recommend that students and parents give serious consideration to the process of course selection and registering for classes. The master schedule and faculty assignments to teach courses is based on the number of original student course registration requests. Therefore, the arbitrary dropping of classes by students may have an adverse effect on class size and may result in the inability to offer the class.

Our School Counselors educate about and encourage Academic and Career planning (ACP) throughout a student's four years at Laconia. ACP is a student-driven, adult-supported process in which students create and cultivate their own unique and information-based visions for post secondary success. This information is obtained through self-exploration, career exploration, and the development and practice of the student's career planning skills. Planning for a student's future is an important task of all schools, school personnel, and families. Together, with your support, our aim is to teach students to complete any task which they begin, regardless of the challenges they encounter.

This notice is created to give high school students and their parent(s) an opportunity to make timely, efficient, and informed decisions regarding course selection.

To accomplish this:

1. Students are provided with available course information including graduation requirements, post-secondary entrance requirements, and course descriptions in order to make an informed decision.
2. Parents give their approval to all courses before students enroll.
3. **Changes to course selections must be completed within 30 days of the original registration.**
4. Changes at the beginning of the school year and semester will be limited to **corrections for errors only.**
5. Non-error changes can be made at the beginning of the semester **for core classes** only. Examples include: A student needs to add an additional credit of Math or Science.
6. **Elective courses may not be changed unless they are affected by a core course change.**
7. Students who are given permission to drop a course after the first week of school, may receive a grade of "F" for each quarter and semester.
8. Individual circumstances will be reviewed on a case-by-case basis with appeals to the principal.

Four Year Course Plan

Subject Area	9th Grade	10th Grade	11th Grade	12th Grade
English 4 credits required	English	English	English (Course Varies)	English (Course Varies)
Social Studies 4 credits required	Contemporary Social Issues & Global Studies	World History	US History	American Government & Consumer Economics
Math 3 credits required	Algebra 1	Geometry	Math (Course Varies)	
Science 3 credits required	Biology	Science (Course Varies)	Science (Course Varies)	
Physical Education 1.5 credits required	Physical Education (Course Varies)	Physical Education (Course Varies)	Physical Education (Course Varies)	
	4.5 required credits plus electives	4.5 required credits plus electives	4.5 required credits plus electives	2 required credits plus electives

Students must earn a minimum of 24 credits during their four years of high school.

College Level Coursework Offerings

HOW DO STUDENTS CHOOSE WHAT CLASSES TO TAKE?

Classes should align with the student's academic and career plan. Students can take this opportunity to explore possible career interests. Some students choose these courses to challenge themselves if they have maxed out the offerings at Laconia. Many students choose to take a general education requirement from the college they are interested in attending after graduation. **Note: General education courses are different for each post secondary option, so students are encouraged to check with the school they will attend after graduation.*

ADVANCED PLACEMENT COURSES

Laconia High school currently offers the following weighted AP Courses:

AP Biology
AP Calculus AB
AP Chemistry
AP Computer Science Principles
AP Computer Science A (Java)
AP English Language & Composition
AP English Literature & Composition
AP European History
AP US Government & Politics
AP United States History

Students who take an AP course will be required to take the Advanced Placement Exam in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District. The AP Exam scores students based on 5 point grading scale. Students who score 2 points or higher may earn college credit.

DUAL CREDIT COURSES

Students who choose to enrol in the transcribed credit option may earn credit from Moraine Park Technical College or Lakeshore Technical College. Laconia High school currently offers the following dual credit courses:

Advanced Manufacturing
Algebra II
Animal Science (*When taken the same year as Livestock Production*)
Farm Business Management
General Anatomy & Physiology
Introduction to Business
Introduction to Electronics and Electricity
Introduction to Soil Science
Livestock Production (*When taken the same year as Animal Science*)
Microsoft Applications
Oral and Interpersonal Communication
Plant Science (*When taken in the same year as Vegetable & Crop Production*)
Vegetable & Crop Production (*When taken in the same year as Plant Science*)
Written Communication

College Level Coursework

CAPP (COOPERATIVE ACADEMIC PARTNERSHIP PROGRAM) FOR ART STUDIO (PAGE 44)

Students may earn dual credit at UW Oshkosh, providing they meet one of the following requirements:

- ★ Class rank in the top 25%
- ★ Cumulative GPA of at least 3.25
- ★ ACT Score of at least 24 and in the top 50% of class (or GPA of at least 2.75)

Taking Classes Offered Directly From A College

EARLY COLLEGE CREDIT PROGRAM (ECCP)

Offers the opportunity to take college courses while still in high school at 4-year colleges or universities (UW System or Private Schools). Tuition is paid for by Rosendale Brandon School District.

START COLLEGE NOW (SCN)

Offers the opportunity to take college courses while still in high school at 2-year technical colleges. Tuition is paid for by Rosendale Brandon School District.

HOW DO I APPLY?

Pick up an application form from your School Counselor. The applications for ECCP and SCN are not the same. You must know if you are going to take your course(s) from a 2 or 4-year college.

WHEN ARE THE APPLICATIONS DUE?

All applications (Public, Private, or Technical) are due to the School Counselor by:

FEBRUARY 1ST (ECCP Only - SUMMER TERM)
MARCH 1ST FOR FALL TERM
OCTOBER 1ST FOR SPRING TERM

HOW MUCH CREDIT WILL I EARN AT LACONIA?

Each ECCP/SCN college credit is worth .25 credit at Laconia.

ARE ECCP/SCN COURSES WEIGHTED?

Yes.

HOW DO ECCP/SCN COURSES FIT INTO MY SCHEDULE?

Initially, students will enroll in a full high school course schedule. Once students are enrolled into their ECCP/SCN course(s), students should work with their School Counselor to modify their schedule to accommodate class and travel time. If the class is online, students will be given a structured study hall period dedicated to working on the assignments for the online class.

***Note: Students who fail an ECCP or SCN course will need to reimburse Rosendale Brandon School District for the cost of tuition and textbooks.**

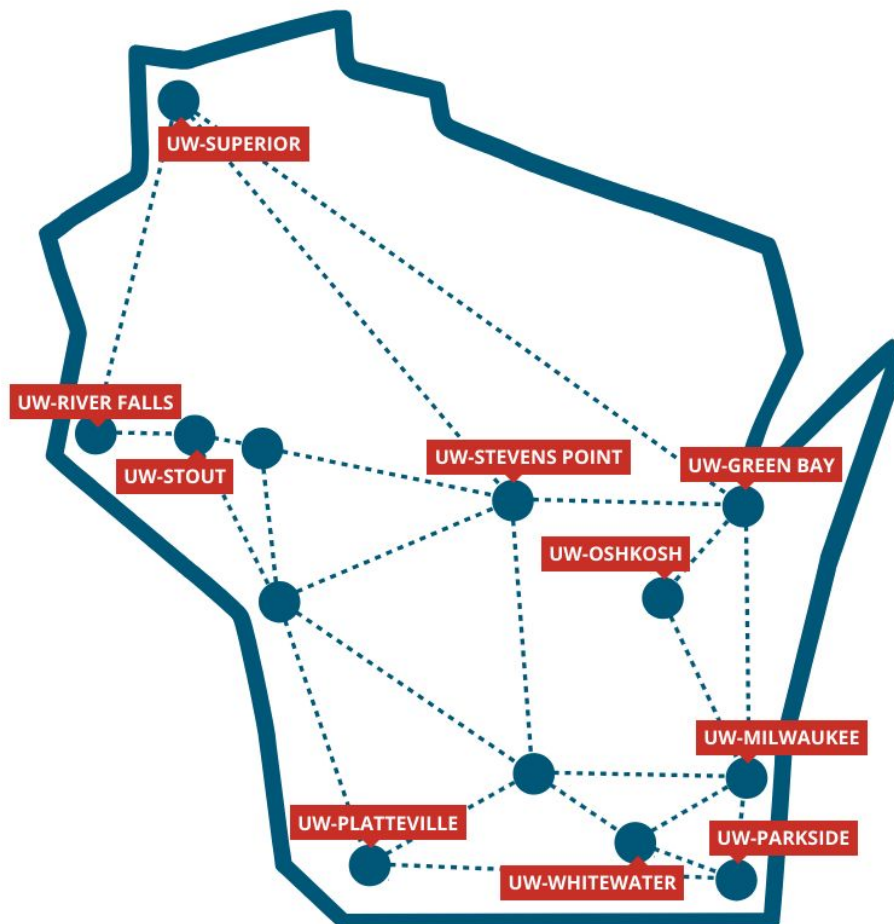
Direct Admit Wisconsin

Direct Admit Wisconsin is an initiative by the Universities of Wisconsin to proactively offer admission to qualifying high school students in between their Junior and Senior years of high school. Direct admission removes the traditional application process and instead uses data provided by the high school to admit students to universities.

Note: Students who are college-bound and wish to participate in the Direct Admit initiative should be aware that Financial Algebra is not considered "college-prep" math by the UW System Schools below.

For more information, please visit the following link: <https://www.wisconsin.edu/direct-admissions/>

PARTICIPATING UNIVERSITIES



Career and Work Based Learning

YOUTH APPRENTICESHIP

Youth Apprenticeship (YA) is a rigorous statewide elective program for juniors and seniors that combines academic and technical classroom instruction with mentored on-the-job training. It is an opportunity for students to experience a career while still in high school. YA students receive school credit and a grade for participating. Students who master the competencies and graduate from high school receive a state issued skills certificate. Students may be eligible for advanced standing at a technical college offering a similar program.

Interested students complete an online application: <https://www.yawisconsin.org/> in spring of the Sophomore or Junior year and apply for jobs that begin during the summer. All paperwork must be completed and approved *prior to the start of the school year* so that student's class schedule can be arranged to allow for learning on the job. Student must be at least 16 years of age, and on track for graduation. Students are responsible for their own transportation.

For more information about Youth Apprenticeship you may visit the Department of Workforce Development website: <https://dwd.wisconsin.gov/> or contact our YA Coordinator:

Beth Kwakkel
Consultant, College, and Career Readiness Center | CESA 6
920-651-1569
bkwakkel@cesa6.org

JOB SHADOW

Students are encouraged to participate in job shadow opportunities available to our community. Please contact your school counselor if you are interested in a job shadow.

WORK RELEASE PRIVILEGE

Work release is available to students who wish to work during the regular school day *without* earning high school credit. This privilege is offered to high school seniors who are enrolled in 6 classes per semester and who have a grade point average of at least 2.5. Students who wish to have one class period of work release must see the School Counselor for a form that must be signed by their employer and parents.

Graduation Guidelines

High school graduation ceremonies are significant events that celebrate students' academic achievements. While students are not required to participate in the graduation ceremony, they are encouraged to do so in order to celebrate their achievement.

In order to participate in the graduation ceremony, students must meet the following conditions:

- Complete all credit requirements to earn a diploma and successfully complete the state required Civics examination.
- Satisfy all obligations to the school, such as paying fees and/or fines, returning materials, and serving detention time.
- Attend the graduation ceremony rehearsal. In the rare instance that a student is not able to attend rehearsal, he/she must have prior permission from the school principal and an alternate plan must be in place.

The following dress code for the graduation ceremony will be enforced:

- Dress in clothing appropriate for a formal event.
Wear the prescribed cap and gown chosen by the school along with the following items earned which represent their achievements during high school: Magna Cum Laude gold cords and tassels; National Honor Society stoles; and state-certified Youth Apprenticeship stoles.
- Graduation caps may be decorated with school-appropriate content.
- No additional items may be added.

Ceremony Details:

- Class speakers will consist of the top three students in the class.
- Both the band and choir will each perform a selection during the ceremony.
- Celebration item chosen by the class commission will be provided by the class and confined to the graduates only.

Diane Raue
Laconia High School Principal
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Required Course Offerings



English Course Offerings

The English Department at Laconia High School is dedicated to helping students develop strong communication, critical thinking, and literary analysis skills that are essential for academic success and lifelong learning. Four credits of English are needed to meet graduation requirements. We offer a range of classes to suit different interests and needs to offer students opportunities to explore literature, improve their writing, and deepen their understanding of language and culture. Join us as we embark on a journey of discovery through the power of words!

FRESHMAN ENGLISH (1 CREDIT) **GRADE 9**

Freshman English provides students with the opportunity to identify and analyze key ideas, details, and structures of literature and informational texts. Students will conduct research using credible sources in addition to literature and informational texts to create paragraphs, essays, presentations, creative writing, and debates/discussions. The focus will be placed on using evidence to support ideas, formal writing structure (MELCon and MLA), originality, and academic language.

SOPHOMORE ENGLISH (1 CREDIT) **GRADE 10**

Sophomore English provides students with an introduction to the study of renowned literature including genres such as short stories, poetry, drama, novels, and nonfiction within thematic units. Through their exploration of these genres, students will continue to develop and strengthen their reading and critical thinking skills. Students will analyze the structure, argument, style, and evidence provided within various forms of writing. In addition, their composition skills will be enhanced by writing in a variety of different situations for a variety of purposes. Verbal communication skills will continue to be developed through discussions, speech projects, and Socratic seminars. Development of grammar and vocabulary skills will be integrated throughout the course.

JUNIOR ENGLISH (1 CREDIT) **GRADE 11**

Junior English provides students the opportunity to identify, analyze, and evaluate key ideas, details, and structures of American literature and informational texts related to American literature from the 1700s to present time. Students will use the literature and texts to create expository, persuasive, and narrative essays, speeches, and digital media presentations. Additionally, students will be asked to participate in group discussions, utilize the formal (MEL-Con) format, and present information effectively.

OR

AP ENGLISH LANGUAGE AND COMPOSITION (1 CREDIT) ***WEIGHTED GRADING COURSE** **GRADE 11** **(see next page for description)**

English Course Offerings

AP ENGLISH LANGUAGE AND COMPOSITION (1 CREDIT)

***WEIGHTED GRADING COURSE**

GRADE 11

This course is recommended for students who have earned a grade of "B" or higher in sophomore English.

AP Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way conventions and the resources of language contribute to effective writing. Students will write about a variety of subjects from a variety of disciplines to demonstrate an awareness of the audience and purpose. Also, students will learn to write effectively and confidently across the curriculum and in their professional and personal lives. Successful completion of this course prepares students to take the English Language and Composition Advanced Placement Examination in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District. *Students may be required to complete assignments over summer break before the first day of school.*

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Senior English Course Offerings

Seniors must select 1 credit of English courses to satisfy the English requirement.

ORAL & INTERPERSONAL COMMUNICATION (.5 CREDIT) GRADE 12

This one semester class is designed to help develop students' interpersonal and oral communication skills. Students will have the opportunity to develop necessary job-related skills such as working as a team, managing time effectively, thinking critically and problem-solving. They will develop and practice skills like creating outlines, citing sources, placing visuals, practicing nonverbal gestures and movement, and organizing speeches to achieve a certain goal and reach a specified audience. During the course, students will work on a variety of subjects with classmates as well as work on individual assignments. Students will give two individual presentations and one group presentation; one presentation will be persuasive and the others informative.

Seniors who choose to enroll in the dual credit option may receive credit for the class Oral and Interpersonal Communication (801-196) from Moraine Park Technical College if they receive an 80% or higher.

The following course is guaranteed to transfer to all UW System colleges but you may wish to contact your college admissions office to determine if it will fulfil the English requirement or if it will transfer as an elective.

WRITTEN COMMUNICATION (.5 CREDIT) GRADE 12

This one semester class teaches the writing process, which includes prewriting, drafting, and revising. Through writing assignments, students analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Class sessions and assignments involve giving oral presentations and using computers. Students will also read fiction and nonfiction texts independently and in groups. Major assignments include direct and indirect business letters, memos and emails, instructions, an oral presentation, visual support, a summary, short report, working collaboratively, and a 10-12 page research paper (eight sources cited APA, 5-6 pages of double-spaced body content).

Seniors may receive credit from Fox Valley Technical College for College Success (890-100).

OR

Seniors may receive credit from Moraine Park Technical College for College 101 (890-101) and English Composition I (801-136) if they receive an 70% or higher.

The following course is guaranteed to transfer to all UW System colleges but you may wish to contact your college admissions office to determine if it will fulfil the English requirement or if it will transfer as an elective.

Senior English Course Offerings

Seniors must select 1 credit of English courses to satisfy the English requirement.

SENIOR ENGLISH (.5 CREDIT or 1 CREDIT)

GRADE 12

Senior English provides students the opportunity to identify, analyze, and evaluate key ideas, details, and structures of British and World literature and informational texts related to literature from 750 to present time. Specifically, semester 1 will afford students the opportunity to explore works of literature written from 750 to 1600, with semester 2 coursework featuring works written from 1600 to present day. Students will use the literature and texts to create expository, persuasive, narrative, and creative essays, speeches, and digital media presentations. Additionally, students will be asked to participate in group discussions, utilize the formal (MEL-Con) format, and strive toward originality. Students may enroll in this course for a full year (1 credit), or enroll in this course for one semester (½ credit) and select another ½ credit option to fulfill the senior requirements.

AP LITERATURE AND COMPOSITION (1 CREDIT)

***WEIGHTED GRADING COURSE**

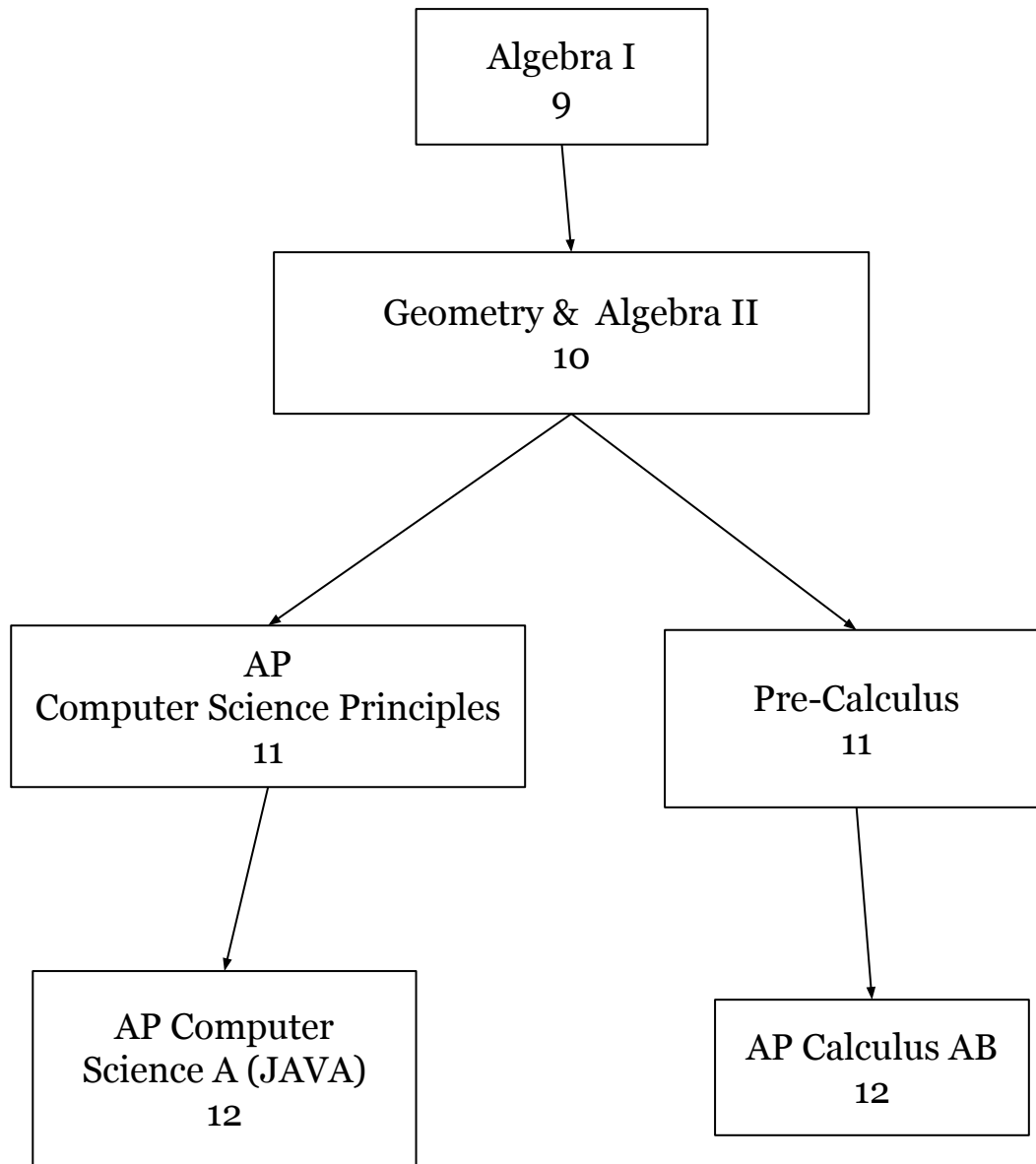
GRADE 12

This course is recommended for students who have earned a grade of "B" or higher in Junior English courses.

Advanced Placement Literature and Composition is a yearlong course that focuses on a wide range of genres that reflect the type and quality of works that will be seen at the collegiate level. Students will be required to read extensively and master a wide range of literary genres, read closely for detail as well as literary devices and structures, respond to reading with thoughtful inquiry, articulate responses in discussions conducted in various classroom settings, and write intelligent and insightful critical analyses of literary works in both impromptu and prepared writings. Students should be ready and able to function as a part of a learning community that allows for guessing, speculation, and interpretation in order to develop their ability to read closely, accurately report contents of text, and intelligently respond to readings, interpretations, and insights. Successful completion of this course prepares the student to take the English Literature and Composition Advanced Placement Examination in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District. *Students may be required to complete assignments over summer break before the first day of school.*

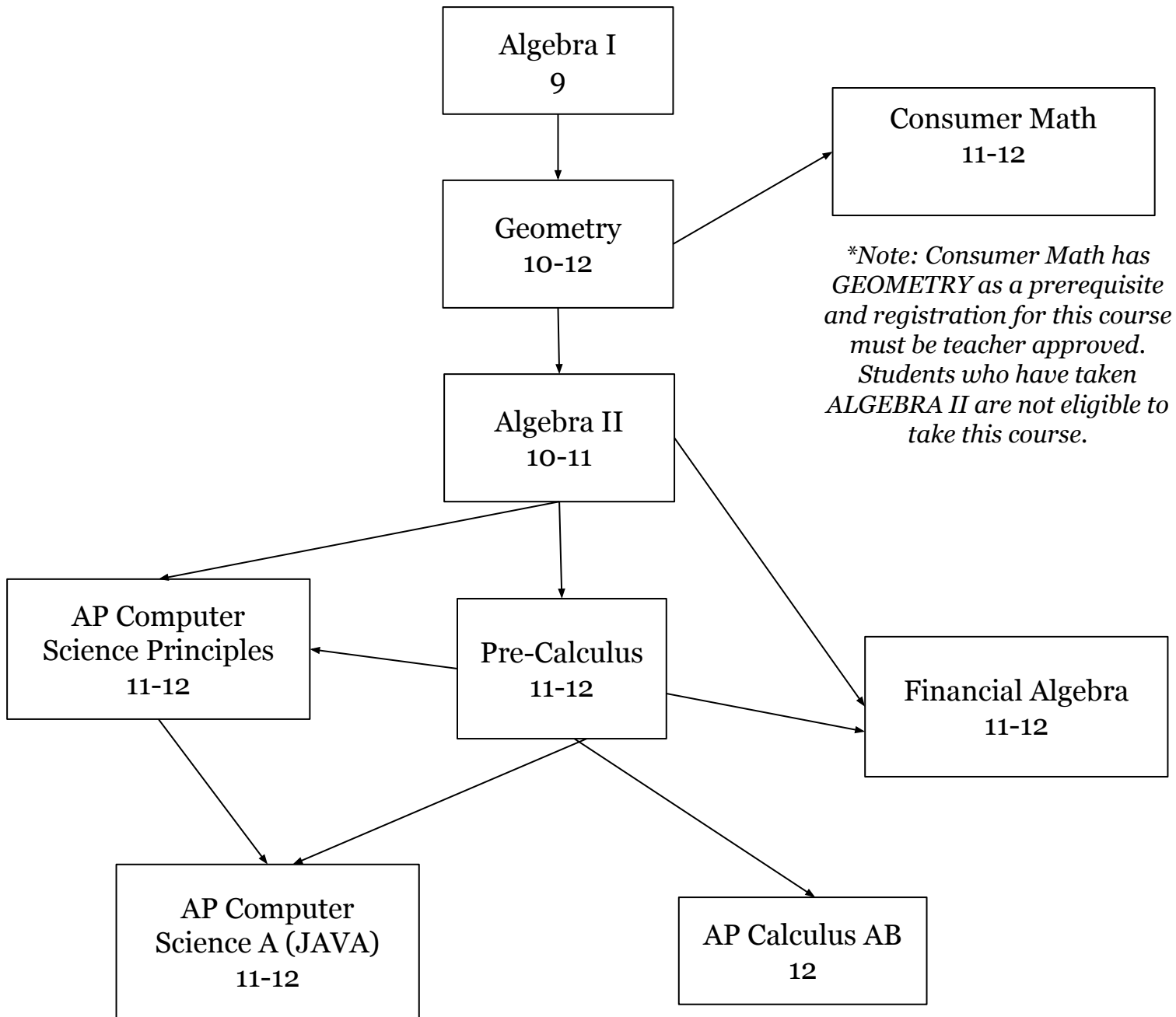
***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Accelerated Math Course Career Pathways



**Note: Not all colleges/universities will accept
AP Computer Science courses as math credits*

Math Course Career Pathways



**Note: Not all colleges/universities will accept AP Computer Science courses as math credits*

Math Course Offerings

The Math Department at Laconia High School is committed to empowering students with the problem-solving skills, logical reasoning, and mathematical knowledge needed for academic success and future opportunities. Our diverse range of courses ensures that every student can engage with mathematics at a level that challenges and excites them. Three credits of math are required to graduate from Laconia High School. Students seeking admission to a four year college need a minimum of three credits of math that include enrollment in the Algebra II course.

ALGEBRA I (1 CREDIT) **GRADE 9**

This course is designed to prepare students for vocational school, technical jobs, or college. It introduces the use of variables to solve problems that would be difficult or impossible to solve without the use of variables. The main essence of the course is analyzing problems, translating the given data into an equation, and solving the equation.

GEOMETRY (1 CREDIT) **GRADE 10-12** **PREREQUISITE: ALGEBRA I**

This course takes an intuitive approach where investigation, numerical calculations, measurements, and applied activities are emphasized. The areas of geometry covered are inductive reasoning, congruent triangles, right triangle trigonometry, Pythagorean Theorem, quadrilaterals, three-dimensional solids, and proofs. This course includes applications of probability and statistics. A scientific calculator is required.

ALGEBRA II (1 CREDIT) **GRADES 10-12** **PREREQUISITE: GEOMETRY or CONCURRENT ENROLLMENT IN GEOMETRY**

This course is a continuation of Algebra 1. Topics include properties of real numbers, order of operations, algebraic solution for linear equations and inequalities, operations with polynomial and rational expressions, operations with rational exponents and radicals, and algebra of inverse, logarithmic and exponential functions. *Students who earn 70% or higher in this class and choose to enroll in the transcribed credit option will earn 4 credits from Moraine Park Technical College for the course 804-118 Intermediate Algebra with Applications.*

PRE-CALCULUS (1 CREDIT) **GRADES 11-12** **PREREQUISITE: ALGEBRA II**

Pre-Calculus is an advanced course designed for college preparation. It contains work from Probability and Statistics and Trigonometry. This course reviews topics from Algebra II and prepares students for their first college math course. **A TI-83 or TI-84 graphing calculator is required for this course.**

Math Course Offerings

CONSUMER MATH (1 CREDIT)

GRADE 11-12

PREREQUISITE: GEOMETRY AND TEACHER RECOMMENDATION. Students who have taken ALGEBRA II are not eligible to take this course.

This course will cover many personal finance topics including checking, savings, types of credit, managing credit, budgeting, investing, financial pitfalls, career readiness, and insurance.

FINANCIAL ALGEBRA (1 CREDIT)

GRADES 11-12

PREREQUISITE: ALGEBRA II

Financial Algebra is a course that will use mathematics to give you the tools to become a financially responsible young adult. The course employs Algebra, Pre-Calculus, probability and statistics, Calculus, and Geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement are solved by applying the relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of the course. **A TI-83 or TI-84 graphing calculator is required for this course.** *Note: This course does not meet the UW System requirement for Direct Admit Wisconsin.*

AP COMPUTER SCIENCE PRINCIPLES (1 CREDIT)

***WEIGHTED GRADING COURSE**

GRADE 11-12

PREREQUISITE: EXPLORING COMPUTER SCIENCE or COMPLETION OF ALGEBRA II

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world. Successful completion of this course prepares the student to take the AP Computer Science Principles Exam in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District. **Note: While this course may earn math credit towards high school graduation, not all colleges or universities will accept it as math credit on your transcript.*

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Math Course Offerings

AP COMPUTER SCIENCE A (1 CREDIT)

***WEIGHTED GRADING COURSE**

GRADES 11-12

PREREQUISITE: AP COMPUTER SCIENCE PRINCIPLES

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem-solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction. This class is very programming-heavy and should be taken by students who plan on going into computer science and already have a background in coding. Successful completion of this course prepares the student to take the AP Computer Science A (JAVA) Exam in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District. **Note: While this course may earn math credit towards high school graduation, not all colleges or universities will accept it as math credit on your transcript.*

AP CALCULUS AB (1 CREDIT)

***WEIGHTED GRADING COURSE**

GRADE 12

PREREQUISITE: PRE-CALCULUS

This course is equivalent to one semester of college calculus. The main topics are integration and differentiation and their applications. Successful completion of this course prepares the student to take the Calculus AB Advanced Placement Examination in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District. **A TI-83 or TI-84 graphing calculator is required for this course.**

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Physical Education Course Offerings

The Physical Education Department and the Rosendale-Brandon School District, has made a commitment to prepare students to live healthy, productive, and physically active lives. Therefore, students who are required to take Physical Education credits will:

- Encounter a variety of challenges that will contribute to the development and maintenance of their physical, cognitive, and affective well-being.
- Be provided with the foundation for making informed decisions that will empower them to achieve and maintain a healthy lifestyle.
- Be encouraged to engage in physical education as a lifelong process, which is the primary responsibility of the student shared by home, district and community.

All classes can be taken as a required class or as an elective, but students can only take one Physical Education class per semester. Courses are offered based on student requests; therefore, if there are not enough student requests to run a course, students may have to choose an alternate class to satisfy their physical education requirement. Courses will be filled with students needing the course to fulfill a requirement first and elective choice requests second, where space when registering permits.

PERSONAL WELLNESS AND FITNESS (.5 CREDIT) GRADES 9-12

Students in this class will be part of a **non-competitive** class structure. Students will participate in a variety of group and individual workouts such as circuit training, aerobics, yoga, weight training, etc. They will also have the option to create and implement a self-designed workout program to follow on a daily basis. Through these activities, students will learn the knowledge and skills needed to develop and maintain a lifetime of optimal health and fitness. There will also be low-level/non-competitive games (Disc Golf, Badminton, Snowshoeing, Volleyball, Ping Pong, etc) played in this class one or two days per week for the students that do not create their own personal fitness/wellness program. The following components are included: physical fitness testing (pre/post), various fitness activities, non-competitive games that promote being active, personal habits, nutritional awareness, stress management, and environmental factors that influence one's health. The class will consist of 1-2 game days and 3-4 workout days per week. *Pre/Post Fitness and skill testing will be conducted. All students will also be required to complete any assignments in Google Classroom by the required due date.*

Physical Education Course Offerings

STRENGTH-SPEED-AGILITY (.5 CREDIT) GRADES 9-12

This course is designed to provide students with a basic-advanced understanding of weight training, speed training, and performance-based fitness as it applies to a healthy lifestyle and improved performance. Students will be taught how to design a personal fitness program that incorporates cardiovascular training and resistance training. There will also be nutritional information provided. This class is designed for male and female students and athletes who want to take their performance to the next level, or for student who wants to take their personal fitness to an optimal level. There will be NO games played during this class. The class will consist of 5 workout days per week. *Pre/Post Fitness and skill testing will be conducted. All students will be required to complete a Daily Fitness Log.*

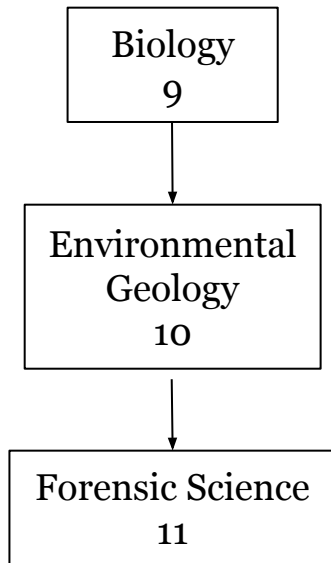
TEAM SPORTS/FITNESS (.5 CREDIT) GRADES 9-12

This class involves fitness/group training sessions, competitive ball-related sports, and net games where teamwork and sportsmanship will be emphasized. The weight room can be utilized for this class as an alternative to the game/activity for the day if they choose. A typical week will generally include two workout days and three game/sport-related days. However, the instructor can make modifications to this schedule as needed. Some activities include soccer, basketball, ultimate frisbee, volleyball, hockey, disc golf, and much more. *Pre/Post Fitness and skill testing will be conducted. All students will be required to complete any assignments in Google Classroom by the required due date.*

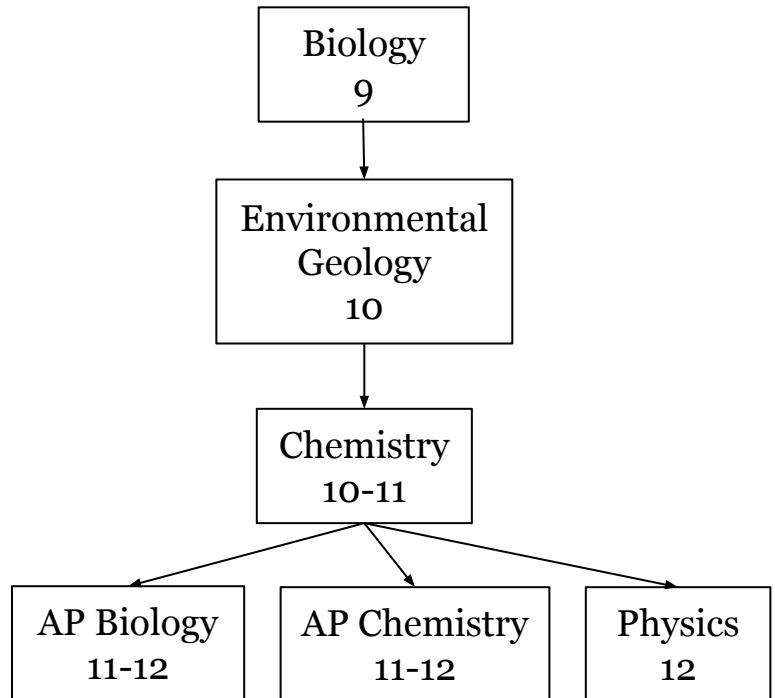
Science Course Career Pathways

A minimum of three years of Science is required to graduate. However, students planning post secondary pathways within science or technology fields are encouraged to take more than the minimum requirement. The following charts show some options to consider when planning course registration.

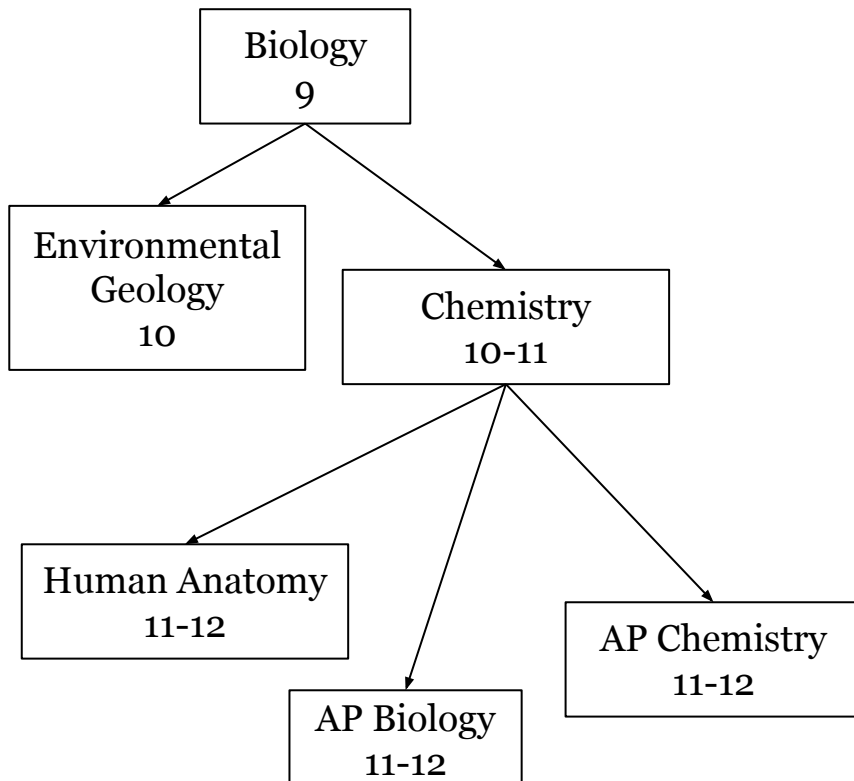
General Science Pathway



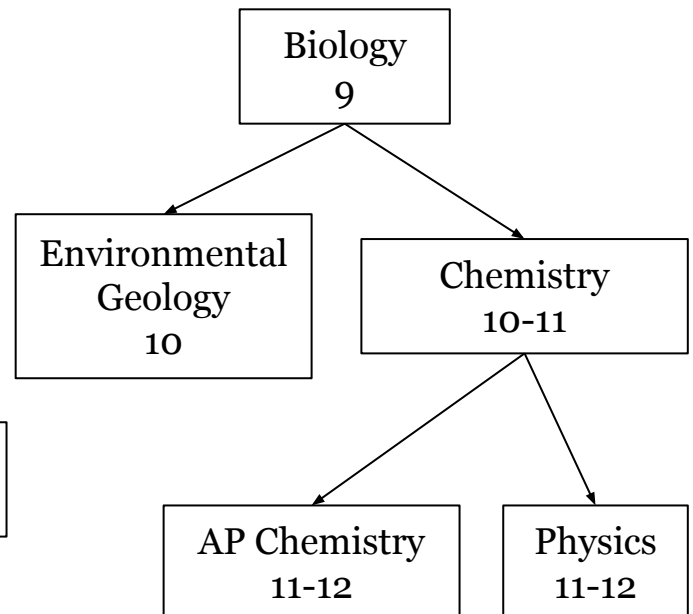
College Prep Science Pathway



Health Science Pathway



Engineering Pathway



Science Course Offerings

The Science Department at Laconia High School is dedicated to learning and exploring the worlds of natural and physical sciences. Through engaging coursework, hands-on experiments, and innovative projects, we empower students to think critically, solve real-world problems, and be curious about the wonders of the universe. From biology and chemistry to physics and environmental science, our diverse programs prepare students for future academic pursuits and careers in STEM. Together, we inspire the next generation of scientists, innovators, and informed global citizens.

BIOLOGY (1 CREDIT) GRADE 9

This introductory course is designed to familiarize students with scientific thinking and the nature of living things. Students will learn basic scientific principles, vocabulary, and techniques through videos, worksheets, readings, online investigations, projects, and activities/labs. This course will cover the basics of scientific thinking/scientific method, introductory biochemistry, ecology, cell structure and function, cellular energy processes, cell division, genetics, and evolution. Additionally, this course will emphasize the importance of understanding living organisms and how they function and apply to humans. During this year-long class, students will participate in many hands-on activities and some additional laboratory activities to explore the concepts at hand.

ENVIRONMENTAL GEOLOGY (1 CREDIT) GRADES 10-12

This course will focus on the function of the Earth's systems. Emphasis is placed on human interactions with Earth's geologic and environmental systems. This class will help students develop an awareness of the scientific and social-environmental problems facing planet Earth, along with the history of the Earth. Topics of study include astronomy, mapping, rocks, plate tectonics, volcanoes, earthquakes, water, weather, and geologic time. Students will complete many online activities and a few hands-on activities in order to explore the concepts being studied.

CHEMISTRY (1 CREDIT) GRADES 10-12

Chemistry is the study of matter and how it changes. By studying chemistry, you will discover how some of the smallest particles in the universe interact and are able to come together to form all of the matter that you see (and don't see) around you. Some topics covered in Chemistry are the structure of the atom, periodicity, chemical bonding and reactions, stoichiometry, reaction rates, and nuclear reactions. Math is used frequently in Chemistry, so a scientific or graphing calculator is required.

Additional fee required to purchase lab materials.

Science Course Offerings

FORENSIC SCIENCE (1 CREDIT) **GRADES 11-12**

This course is designed to introduce the student to practical applications of Chemistry, Physics, and Biology in the study of forensics. This course will provide students with an introduction to the understanding and practical application of forensic science techniques including forensic evidence collection and examination, crime scene investigations, forensic entomology, forensic anthropology, forensic toxicology, drugs and poisons, ballistics, bloodstain pattern analysis, DNA typing, understanding of the relationship between forensic science and legal studies, and career opportunities in forensics. Grades will be based on a combination of labs, projects, and written tests. **Additional fee required.**

HUMAN ANATOMY AND PHYSIOLOGY (1 CREDIT) **GRADES 11-12**

PREREQUISITE: CHEMISTRY

This class is a one-year course that examines the concepts of human anatomy and physiology. Students in this class will gain knowledge of location, structure, and function of human anatomical structures such as bones, muscles, nerves, and blood vessels. Through the use of laboratory investigations and practicals, models, online sources, and multi-functional worksheets, students will memorize human anatomy. The physiology portion of the class will study the functions of the anatomy students learn and ask the question, "How do the parts of the body work?" Students will also gain knowledge about real-world applications of anatomy and physiology through their studies. The capstone for this course includes the opportunity for students to visit a cadaver lab. **Additional fee required to purchase lab materials.** *Students who choose to enroll in the dual credit option may receive credit for Basic Anatomy #806-197 from Moraine Park Technical College if they receive 70% or higher.*

PHYSICS (1 CREDIT) **GRADES 11-12**

PREREQUISITE: ALGEBRA II

Physics is the study of matter and energy in space and time. Some topics covered in Physics are linear and non-linear motion, forces, sound, optics, and electricity. Physics students at Laconia High School participate in many hands-on activities, labs, and problem-solving sessions. Physics is a math-based course, so a scientific or graphing calculator is required.

Science Course Offerings

AP BIOLOGY (1 CREDIT) - OFFERED ODD YEARS BEGINNING 2025-2026

***WEIGHTED GRADING COURSE**

GRADES 11-12

PREREQUISITE: CHEMISTRY

The AP Biology course is designed to be the equivalent of a college introductory course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Students taking AP Biology may receive credit and advanced placement at most colleges upon successfully completing the advanced placement examination. The advanced placement course will emphasize laboratory and individual study. Areas of study and experiment range from molecules and cells to genetics and evolution, to organisms and populations. Experiments may include the areas of organic molecules and enzymes, molecular and Mendelian genetics, comparative vertebrate anatomy and physiology, plant anatomy and physiology, and ecology. **Additional fee required to purchase lab materials.** *Due to the amount of coursework, a summer assignment will be required to be completed prior to the start of school. Additionally, students will need to attend class on two Saturdays in order to complete extended lab requirements.*

Successful completion of this course prepares the student to take the Biology Advanced Placement Exam in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District.

AP CHEMISTRY (1 CREDIT) - OFFERED EVEN YEARS BEGINNING 2024-2025

***WEIGHTED GRADING COURSE**

GRADES 11-12

PREREQUISITE: CHEMISTRY AND ALGEBRA II. *It is recommended that students have earned a grade of an 80% or higher in each of the prerequisite courses.*

This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second-year work in the chemistry sequence at their institution. Or to register in courses in other fields where general chemistry is a prerequisite. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. **Additional fee required to purchase lab materials.** *Due to amount of coursework, a summer assignment will be required to be completed prior to the start of school.*

Successful completion of this course prepares the student to take the Chemistry Advanced Placement Exam in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District.

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Social Studies Course Offerings

The Social Studies Department at Laconia has created engaging classes that bring history, geography, government, and culture to life! Our goal is to help our students connect the past to the present while preparing them to make informed decisions for the future. Whether you're interested in global events, civic engagement, or understanding diverse cultures, there's something for everyone. Join us to expand your knowledge, develop critical thinking skills, and become the next generation of changemakers. Four credits of Social Studies classes are required for graduation.

CONTEMPORARY SOCIAL ISSUES (.5 CREDIT) GRADE 9

In Contemporary Social Issues, the student will look at the sociological problems facing our current American society. Some of the topics the course will study include, but will not be limited to: social bias, drugs, alcohol, AIDS/STDs, crime/punishment, and the impact of violence. The intention of this course is to help students become independent thinkers and responsible citizens. Students enrolled in this course will be required to research, analyze, and participate in class to better understand various social issues facing Americans.

GLOBAL STUDIES (.5 CREDIT) GRADE 9

This course covers people, places, and the environment. It explores the development of cultures and their impact on world political systems, economic activities, settlement patterns and populations, resource distribution and consumption, and technology development. It is necessary for students to analyze and evaluate their global connections in today's world.

Advanced Placement Courses

On the following pages, Sophomores, Juniors, and Seniors have flexibility to add more challenge to their course selection. Both regular credit Social Studies courses and various Advanced Placement Social Studies Courses are available. We recommended Advanced Placement for students who have earned a grade of 80% or higher in previous content related courses.

Social Studies Course Offerings

WORLD HISTORY (1 CREDIT) GRADE 10

World History 10 will be a study of modern world history. Areas of study include: the Early Modern World 1400-1800, Era of European Imperialism 1800-1914, and the Twentieth Century Crisis 1914-1945.

OR

AP EUROPEAN HISTORY (1 CREDIT) *WEIGHTED GRADING COURSE GRADE 10

AP European History is a challenging, college-level course that introduces students to the political, economic, religious, social, intellectual, and artistic trends that shaped Europe from 1300 to the present. Students should acquire knowledge of the basic chronology of events and movements from this period as well as develop the ability to analyze historical documents and express historical understanding in writing.

Successful completion of this course prepares the student to take the Advanced Placement Exam in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District.

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Social Studies Course Offerings

US HISTORY (1 CREDIT) GRADE 11

In the first semester of US History, we will study American history from the 1920s through World War II. Units will include social change and prosperity of the 1920s, the stock market crash and the Great Depression, the New Deal, and World War II. In the second semester, a chronological study of history will include all major events that took place between the post-World War II era through the beginning of the 21st century.

OR

AP US HISTORY (1 CREDIT) *WEIGHTED GRADING COURSE GRADE 11

The AP program in United States History is designed to provide students with the analytical skills and enduring understanding necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

Successful completion of this course prepares the student to take the Advanced Placement Exam in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District.

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Social Studies Course Offerings

CONSUMER ECONOMICS (.5 CREDIT) GRADE 12

This course satisfies the state requirement for Personal Finance

This course is to help our students become intelligent consumers and encourage sound economic decision making in a private enterprise economic system. Some units that will be covered include the following: the role of the government, taxes, comparative systems, the world economy, banking, investments, credit, insurance, consumer skills concerning buying and selling, and rights and responsibilities of the consumer. This course is required for all Seniors.

AMERICAN GOVERNMENT (.5 CREDIT) GRADE 12

In this course, the student will investigate in detail the importance, function, and mechanics of American government. Included in the study will be the foundations of American Government, concentrating on the executive, legislative, and judicial branches. Government will be studied at the federal, state, and local levels. It will be the purpose of this class to make students aware of the importance of government and the active role each needs to perform as a citizen.

OR

AP US GOVERNMENT AND POLITICS (1 CREDIT) *WEIGHTED GRADING COURSE GRADE 12

AP United States Government and Politics aims to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It requires familiarity with the various institutions and their interactions, political participation and socialization, policy formation, and the beliefs and ideas that constitute U.S. government and politics. Because this course runs for a full academic year, students will earn 1 credit upon successful completion of both semesters.

Successful completion of this course prepares the student to take the AP United States Government and Politics Exam in May. The exam is a requirement of enrolling in the course and the cost to take the exam is covered by the Rosendale Brandon School District.

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Elective Course Offerings



Agriculture Electives

The Agriculture program at Laconia High School is designed to offer life skills and practical knowledge. Our facilities include a 50-foot greenhouse. The agricultural industry in Wisconsin is a \$104 billion industry. To help students with career exploration in this field, Laconia offers six career pathways:

- Agribusiness Systems
- Animal Systems
- Food Products & Processing
- Processing Systems
- Natural Resource Systems
- Environmental Service Systems
- Plant Systems

ANIMALS, PLANTS, AND YOU (.5 CREDIT)

GRADES 9-12

This first-year agriculture course will provide students with the knowledge needed to explore the world of agriculture and FFA. Basic units include: how to become involved in the FFA, the impact agriculture has on us each day, and taking a look at agricultural animals, plants, and natural resources.

Agribusiness Systems Pathway

AGRICULTURE LEADERSHIP, LITERACY, AND HOT TOPICS (.5 CREDIT)

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Agriculture is everywhere – everyone uses something related to agriculture every day! Would you like to become a leader in the world of agriculture? We need citizens who can communicate effectively about the world of agriculture. In *Agriculture Leadership, Literacy, and Hot Topics* we will address current issues in agriculture, learn to be effective advocates for the Ag community, and address the need for young leaders to spread the “good news” about American agriculture. Come join us – Ag is in your future.

Students receiving a C+ or higher will be eligible for a Wisconsin Youth Leadership Skill Standards Leadership Certificate from DPI.

FARM BUSINESS MANAGEMENT (.5 CREDIT)

GRADES 10-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

This course provides the learner with basic business management practices including the development of a business plan, establishment of short and long-term goals, identification and implementation alternatives for reaching goals, and development of strategies to monitor progress. The importance of designing a business mission statement based on goals is emphasized.

Students will earn credit from Moraine Park Technical College (or Lakeshore Technical College) if they enroll in the dual credit option and earn a C or higher in this course. LTC-Farm Business Management, #10006112.

Agriculture Electives

Animal Systems Pathway

ANIMAL SCIENCE (.5 CREDIT) - OFFERED EVEN YEARS BEGINNING 2026-2027 GRADES 10-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Students will take a scientific look at domesticated animals beginning with the cell, and discussing the importance of reproduction, genetics, digestion, and nutrition along with the prevention of diseases and parasites.

Students who choose to enroll in the dual credit option and earn a C or higher in this course and Livestock Production in the same year will earn credit from Moraine Park Technical College (or Lakeshore Technical College) for LTC-Intro to Animal Science, #10006114.

HORSES AND PETS (.5 CREDIT) - OFFERED ODD YEARS BEGINNING 2025-2026 GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

This class will focus on cats, dogs, rabbits, guinea pigs, tropical fish, and horses. Students will study reproduction, feeding, general care, housing, and handling techniques for each of the animals.

LIVESTOCK PRODUCTION (.5 CREDIT) - OFFERED EVEN YEARS BEGINNING 2026-2027 GRADES 10-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Students will study dairy, beef, sheep, pigs, and poultry. The class will focus on selection, anatomy, feeding, reproduction, management, and housing for each of the species.

Students who choose to enroll in the dual credit option and earn a C or higher in this course and Animal Science in the same year will earn credit from Moraine Park Technical College (or Lakeshore Technical College) for LTC-Intro to Animal Science, #10006114.

Agriculture Electives

Food Products & Processing Pathway

FARM TO FORK (.5 CREDIT)

GRADES 10-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Is there a future in agriculture? It all depends on your answer to the following questions: Did you eat today? Are you planning on eating tomorrow? Farm To Fork is the past, present, and future of the agricultural industry. This class will track agricultural products from the farmer to the consumer. Students will investigate key players and trends in the food industry. We will be working with milk, dairy products, fruit, vegetables, meat, poultry, eggs, and more. Students will also gain an understanding of food safety and careers in food science. Let's examine the range of possibilities from field to table in Farm To Fork. **Additional fee required.**

ADVANCED FARM TO FORK (.5 CREDIT)

GRADES 11-12

PREREQUISITE: FARM TO FORK

Advanced Food Science will allow students to take a more intense look at the food industry. This class will track agricultural products from the farmer to the consumer. Students will investigate packaging, marketing, and the creation of new food products, along with world food needs. Students will also gain a further understanding of food safety and careers in food science. **Additional Fee Required.**

Agriculture Electives

Natural Resource Systems Pathway & Environmental Service Systems Pathway

INTRO TO SOIL SCIENCE (.5 CREDIT)

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Students will investigate the fundamentals of soil's physical, chemical, and biological properties. Students will also study soil formation, classification, essential soil nutrients, and learn how to take a soil survey and interpret the results. There will be an emphasis on soil and water conservation practices and the reduction of soil erosion.

Students who choose to enroll in the dual credit option and earn a C or higher will earn credit from Moraine Park Technical College (or Lakeshore Technical College) for LTC-Intro to Soil Science #10006116.

NATURAL RESOURCE SCIENCE (.5 CREDIT)

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

In this one-semester class, you will get hands-on experience dealing with careers in the natural resource area. Natural resources that will be included in this class will be forestry, water quality, air quality, waste management, and survival skills.

WILDLIFE MANAGEMENT AND OUTDOOR RECREATION (.5 CREDIT)

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Attention hunters, fishermen, and enjoyers of wildlife. This course will cover the various aspects of wildlife including birds, small game, fish, and big game management. Other topics of consideration include science and technology in wildlife management and enjoying wildlife in addition to citizen responsibilities. Students will perform a variety of experiments dealing with wildlife concepts through class discussions, labs, and outdoor activities.

Agriculture Electives

Plant Systems Pathway

FLORAL DESIGN AND LANDSCAPING (.5 CREDIT)

OFFERED ODD YEARS BEGINNING 2025-2026

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Students will learn the principles of floral design and landscape that can be used not only for a career in these industries but as a homeowner. Students will apply their skills in flower arranging with both fresh and silk flowers. They will also design their own outdoor landscape. **Additional fee required.**

PLANT SCIENCE (.5 CREDIT)

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

In this one-semester class, you will get hands-on experience growing plants in the greenhouse. Students will learn to identify and grow vegetables, flowering, and foliage plants. You will even learn how to start plants without seeds. Students will work as a team to design a plant sale. **Additional fee required.**

Students who choose to enroll in the dual credit option and earn a C or higher in this course AND Floral Design and Landscaping or Vegetable and Crop Production in the same school year will earn credit from Moraine Park Technical College (or Lakeshore Technical College) for Principles of Crop Production #10006122.

VEGETABLE AND CROP PRODUCTION (.5 CREDIT)

OFFERED EVEN YEARS BEGINNING 2026-2027

GRADES 9-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU

Students will learn about vegetable crops. Other Wisconsin-grown crops will include small grains, forages, corn, and soybeans. Students will learn how each crop is grown, harvested, stored, and marketed.

Students who choose to enroll in the dual credit option and earn a C or higher in this course AND Plant Science in the same school year will earn credit from Moraine Park Technical College (or Lakeshore Technical College) for LTC-Principles of Crop Production #10006122.

Agriculture Electives

Capstone for all Pathways

ADVANCED CONCEPTS IN AGRICULTURE (.5 CREDIT)

GRADES 11-12

PREREQUISITE: ANIMALS, PLANTS, AND YOU, and PERMISSION FROM INSTRUCTOR

This class is designed for juniors or seniors who are interested in expanding their knowledge in agricultural areas, beyond the available classes offered. This is for students who have completed all available classes in their interest area, or who have an interest in an area not offered in the curriculum. All available advanced concepts include:

- Advanced Greenhouse Management
- Advanced Animal Science
- Advanced Veterinary Science
- Agricultural Leadership Development
- Agriscience
- Biotechnology in Agriculture
- Advanced Conservation, Natural Resources, and Ecology
- Advanced Agricultural Engineering, Agricultural Structures, and Design
- Advanced Agribusiness Management

Art Electives

ART SURVEY (.5 CREDIT) GRADES 9-12

Art Survey is open to all students 9-12 interested in art and does not require any previous art experience. Students have the opportunity to explore different media and learn skills that will allow them to participate in future art classes. Projects in this class will include drawing, painting, ceramics, calligraphy, and digital art. Weekly sketchbook assignments will be assigned to promote creativity. A 50-page sketchbook is provided. Course may not be repeated for credit. **Additional fee required for art supplies and materials.**

CERAMICS I (.5 CREDIT) GRADES 9-12 **PREREQUISITE: ART SURVEY**

This class is an introduction to working with clay. Students will produce artwork by hand (pinch, coil, slab, sculpting) and on the potter's wheel. Students will create a wide variety of ceramic projects. **Additional fee required for art supplies and materials.**

CERAMICS II (.5 CREDIT) GRADES 10-12 **PREREQUISITE: CERAMICS I**

This course is a further exploration of ceramics, both hand-built and wheel-thrown, with more emphasis on technique and individuality. **Additional fee required for art supplies and materials.**

CERAMICS III (.5 CREDIT) GRADES 10-12 **PREREQUISITE: CERAMICS II**

This course is a further exploration of ceramics, both hand-built and wheel-thrown, with more emphasis on technique and individuality. **Additional fee required for art supplies and materials.**

DRAWING AND DESIGN (.5 CREDIT) GRADES 9-12 **PREREQUISITE: ART SURVEY**

This course is an introduction to drawing and design. Drawing units will cover perspective, gesture, contour, figure, still life, and landscape drawing. Design problems will cover two-dimensional and three-dimensional compositions. Weekly sketchbook assignments will be given to further explore basic art elements. A 50-page sketchbook is provided. **Additional fee required for art supplies and materials.**

Art Electives

DIGITAL IMAGERY I (.5 CREDIT)

GRADES 9-12

NO PREREQUISITE

Focuses on learning photo editing and manipulation software. Students learn the elements of art, principles of design, and composition. Students will learn imaging techniques and digital manipulation using Adobe CC and other open-source programs. They will learn how to creatively alter images for print or web purposes. Students will also explore Adobe Illustrator and Adobe Premiere to learn basic illustration, animation, video production, and new digital art skills.

Additional fee required for digital imagery class materials.

DIGITAL IMAGERY II (.5 CREDIT)

GRADES 9-12

PREREQUISITE: DIGITAL IMAGERY I

Digital Imagery II is a more in-depth exploration of the technical, artistic, and commercial aspects of digital art. Students will refine and improve techniques of image manipulation.

Additional fee required for digital imagery class materials.

DIGITAL IMAGERY III (.5 CREDIT)

GRADES 10-12

PREREQUISITE: DIGITAL IMAGERY II

Uses Adobe Illustrator, a vector-based drawing program, to design documents for print, illustration, layout and multimedia projects including Web, print and animation. Basic computer skills, internet access, and access to the current version of Adobe Creative Suite software required for the course,

Additional fee required for digital imagery class materials.

Students who earn a 70% or higher in this class and choose to enroll in the transcribed credit option will earn 2 credits from Moraine Park Technical College for the course 201-102 Vector Illustration 1.

Art Electives

PAINTING I (.5 CREDIT)

GRADES 9-12

PREREQUISITE: ART SURVEY

This course is an introduction to painting, stressing techniques, color theory, art history, and the elements of art and principles of design. Students will be working with watercolors, tempera, and acrylic paints. Students will also learn how to stretch canvas. **Additional fee required for art supplies and materials.**

PAINTING II (.5 CREDIT)

GRADES 10-12

PREREQUISITE: PAINTING I

This course is a further exploration of painting with more emphasis on technique and individuality. Students will build their own canvases to paint on. **Additional fee required for art supplies and materials.**

PAINTING III (.5 CREDIT)

GRADES 10-12

PREREQUISITE: PAINTING II

This course is a further exploration of painting with more emphasis on technique and individuality. Students will build their own canvases to paint on. **Additional fee required for art supplies and materials.**

ART STUDIO (.5 CREDIT)

GRADES 11-12

PREREQUISITE: ART SURVEY AND AT LEAST ONE OTHER ART CLASS

Art Studio allows Junior and Senior art students to explore art concepts and materials on an individual basis. Students can work in all 2D and 3D mediums including but not limited to drawing, painting, ceramics, fused glass, photography, printmaking, textiles, and jewelry making. Students will also learn how to prepare an art portfolio. **Additional fee required for art supplies and materials.**

Students may choose to take this class as a **CAPP** class through UW-Oshkosh if they meet at least one of the following requirements:

- ★ Class rank in the top 25%
- ★ Cumulative GPA of at least 3.25
- ★ ACT Score of at least 24 and in the top 50% of class (or GPA of at least 2.75)

Students who enroll in CAPP and receive a 70% or higher will receive 3 credits from UW-Oshkosh for Art 101Q1 Elements of Studio Art. Tuition is \$300. (\$150 for students with free/reduced lunch.)

Business Electives

GENERAL BUSINESS (.5 CREDIT) GRADES 9-12

General Business is an introduction to the business world and presents occupational opportunities in the area of business. Topics covered include business economics as well as a glimpse into each of the functional business areas (Human Resources, Marketing, Finance, and Operations). Current business topics in magazines, newspapers, and on TV are discussed on the local, state, national, and international levels. Students will complete a cumulative project creating a food truck experience.

GOOGLE & CHROMEBOOK BASICS (.5 CREDIT) GRADES 9-10

Students taking this course will learn how to use Google Apps and the touch methods of keyboarding. Students will be immersed in the world of social media, demonstrate proper etiquette, internet safety rules, and explore ethical and responsible use of AI. Students will also learn how to organize their daily schedules and data files. In addition, students will learn how to utilize cloud-based technology tools such as Canva and study resources that will propel them in their classes as a 21st-century learner. Recommended for grades 9 & 10.

ACCOUNTING (1 CREDIT) - OFFERED ODD YEARS BEGINNING 2025-2026 GRADES 10-12

PREREQUISITE: GENERAL BUSINESS

Accounting is a one-year introductory course in which students will learn basic accounting rules and procedures. This course is highly recommended for anyone wishing to pursue a business-related or accounting career. Students will learn the basic accounting cycle for a sole proprietorship (single owner) business, and a merchandising corporation by completing real-world accounting applications. Students will complete accounting simulations, which provide applications of the basic accounting rules and procedures. *Students who choose to enroll in the transcribed credit option and earn a 70% or higher will earn credit from Moraine Park Technical College in course #102-110, Introduction to Business.*

BUSINESS MANAGEMENT (.5 CREDIT) GRADES 10-12

PREREQUISITE: GENERAL BUSINESS

Business Management is an excellent class for any student wishing to pursue a business career. This course focuses on entrepreneurship and the management of a business. The student will learn about human resources management, employee/employer relations, leadership, supervision, planning, organizing, and controlling a business, as well as dressing for success. In addition, the course will deal with the ever-changing world of international business. Students will explore business practices in other countries and learn about how different cultures and traditions influence the scope of business around the world.

Business Electives

BUSINESS MARKETING (.5 CREDIT)

GRADES 10-12

PREREQUISITE: GENERAL BUSINESS

Did you know? 1 out of every 6 adults is employed in a marketing occupation! Business Marketing is a course that introduces students to the dynamic world of marketing goods and services. Applications of the four P's in marketing—product, price, place, promotion—are explored through various hands-on projects. Pizza taste testing, creating advertisements, developing a showcase to promote an LHS made product, and developing a cause campaign (aimed at raising awareness to a social cause - for example stopping texting and driving) are worked on throughout the semester. Whether students are planning on attending a four-year college, a two-year technical school, or going immediately into the workforce, marketing can help develop skills that will enable them to be competitive and succeed in the future.

CAREER DEVELOPMENT (.5 CREDIT)

GRADES 10-12

PREREQUISITE: GENERAL BUSINESS

This course will provide students the opportunity to explore career pathways and career development plans in order to create an action plan to meet their long-term goals. Students will also learn how to effectively interview and will complete a mock interview experience. Students will also have the opportunity to speak to several guest speakers in different careers who will come in to speak throughout the semester. Students will also be assisted in finding a job shadow experience, internship, or mentor experience.

BUSINESS LAW AND ETHICS (.5 CREDIT) - OFFERED EVEN YEARS BEGINNING 2026-2027

GRADES 10-12

PREREQUISITE: GENERAL BUSINESS

The Business Law and Ethics course provides students with an overview of the importance of ethics in a business environment. Students focus on the significance and importance of ethics to the community; examine who bears responsibility for ensuring an ethical code is followed; and explore ethical situations common in organizations. The course examines ethics through the lens of various business disciplines and considers the impact of organizational culture on ethical practices. The course also explores ethics as social responsibility, the evolution of ethics as business becomes more international, and how the free market and organizational ethics can co-exist. This course will discuss current controversial issues at the intersection of business, law, and ethics.

ENTREPRENEURSHIP COURSE (.5 CREDIT) - ONLY OFFERED FALL SEMESTER

GRADES 11-12

PREREQUISITE: GENERAL BUSINESS or BUSINESS MANAGEMENT

This course helps students gain an understanding of the business principles necessary to start and operate a business. Students will develop an awareness of small business ownership opportunities and develop a business plan. Students will research several small businesses in the community and explore what makes them successful. Additionally, students will perform financial analysis, develop marketing strategies, and explore website management by operating the school store. **Note: Students who complete this course may apply for the School Store Work Experience for Spring Semester.*

Business Electives

INTRODUCTION TO BUSINESS (1 CREDIT) - OFFERED EVEN YEARS BEGINNING 2026-2027 GRADES 11-12

PREREQUISITE: GENERAL BUSINESS

Although this course is titled "Introduction to Business" this is not an entry-level high school course. We will examine the following areas of business: human resources, operations management, financial management, and marketing. This course provides students an overview of the types of business ventures available and the advantages and disadvantages of each. Students in this course will also find and complete business services for local businesses or not-for-profit organizations to gain experience with a hands-on approach while also building relationships. Projects have ranged from creating business cards, updating pamphlets, to creating social media advertisements. *Students who choose to enroll in the transcribed credit option and earn a 70% or higher will earn credit from Moraine Park Technical College in course #102-110, Introduction to Business.*

MICROSOFT APPLICATIONS (.5 CREDIT)

GRADES 11-12 (Open to grade 10 with a "B" or higher in Google & Chromebook Basics)

PREREQUISITE: GENERAL BUSINESS

This course is designed to familiarize students with one of the most requested skills in business, knowledge, and proficiency in Microsoft Office Suite: Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. When available, students will complete school/community deliverables. Additional focus is on preparing the student for to receive an industry credential in Microsoft Office. *Students who choose to enroll in the transcribed credit option and earn a 70% or higher will earn credit from Moraine Park Technical College in courses #103-159 Computer Literacy-Microsoft, a required course at Moraine Park Technical College.*

SCHOOL STORE WORK EXPERIENCE (.5 CREDIT) - ONLY OFFERED SPRING SEMESTER GRADES 11-12

PREREQUISITE: ENTREPRENEURSHIP COURSE & INSTRUCTOR APPROVAL THROUGH APPLICATION AND INTERVIEW PROCESS

Students in this class will manage the Laconia Locker school store. This unique, job-based course is designed for you if you are interested in a marketing or business career. As a select group of student interns and managers of a school-based enterprise, you will receive hands-on experience in a retail and management environment. Roles and duties include general management, merchandising, sales and promotions, and financial management. Throughout this work experience, individual efforts and teamwork are essential. Students will benefit from this opportunity if they are interested in continued education at a technical or four-year college pursuing business training or entering the workforce.

**Note: Student managers will be compensated with a percentage of profit.*

Computer Science Electives

EXPLORING COMPUTER SCIENCE (1 CREDIT)

GRADES 9-12

Exploring Computer Science (ECS) is a course designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem-solving, and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

AP COMPUTER SCIENCE PRINCIPLES (1 CREDIT)

GRADES 10-12

PREREQUISITE: EXPLORING COMPUTER SCIENCE or ALGEBRA II

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world. Successful completion of this course prepares the student to take the AP Computer Science Principles Exam in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District. **Note: While this course may earn math credit towards high school graduation, not all colleges/universities will accept it as math credit for admission.*

AP COMPUTER SCIENCE A (JAVA) (1 CREDIT)

GRADES 11-12

PREREQUISITE: AP COMPUTER SCIENCE PRINCIPLES

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem-solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction. This class is very programming-heavy and should be taken by students who plan on going into computer science and already have a background in coding. Successful completion of this course prepares the student to take the AP Computer Science A (JAVA) Exam in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District. **Note: While this course may earn math credit to count towards high school graduation, not all colleges/universities will accept it as math credit for admission.*

Education Electives

STUDENT MENTOR (.5 CREDIT) GRADES 11-12

To qualify as a student mentor, you must have a minimum 3.5 cumulative GPA, be willing to tutor in all subject areas, and/or have approval by the Principal and/or School Counselor.

A student mentor is a student who is willing to act as a tutor or study partner for other students. A mentor would be assigned one class period for this purpose. A student may choose to act as a mentor each semester. Mentoring may be done at either the high school, intermediate, or primary school.

English Electives

CREATIVE WRITING (.5 CREDIT) - OFFERED EVEN YEARS BEGINNING 2026-2027 GRADES 9-12

This course gives students the opportunity to enhance their creative thinking skills through various forms of writing they are only briefly exposed to through the required English classes. In this course, students will write in different styles and forms for a variety of audiences. Students will also have the opportunity to submit their work for publication. Fiction and non-fiction pieces, with an emphasis on novella and technology, will be used.

PUBLICATIONS AND YEARBOOK (1 CREDIT) GRADES 10-12

This course is recommended for students with strong writing skills and the ability to work as part of a team.

Students wishing to participate in the publication of the school yearbook and the school district's newspaper should enroll in this course. These enormous undertakings involve managing finances, marketing, desktop publishing, writing, interviewing, and photography. Participants must be devoted to creating excellent products, staying organized, meeting and interviewing fellow students, attending school events, and working hard to meet deadlines. Students may retake the class every year.

MOVIES AND MEDIA (.5 CREDIT) - OFFERED ODD YEARS BEGINNING 2025-2026 GRADES 9-12

This elective course allows students to explore the media they encounter in their everyday lives, including social media, TV, and movies. Students will explore important media issues, such as persuasive techniques, visual and storytelling methods, media genres, and media social issues. Coursework will involve critically watching media, writing short analytical papers, giving small presentations, and working collaboratively on media projects.

Foreign Language Electives

Learning a language is progressive and requires constant reinforcement for mastery. For this reason, we suggest that a student takes each Spanish course chronologically and consecutively. Throughout the study of the Spanish language, we will examine the cultures, traditions, geography, and customs of people who reside in Spanish-speaking countries. Many course materials are written in the Spanish language to encourage course level appropriate learning. There are extra credit and enrichment activities available at all levels. In recent years, students have had the opportunity to travel to a Hispanic country.

SPANISH I (1 CREDIT) **GRADES 9-12**

The students will experience an introduction to the Spanish language emphasizing Latin American pronunciation. The students will learn basic sentence patterns and use them in oral and written work. They will work on oral and written comprehension and learn the present tense of regular and irregular verbs. To meet expectations of this course, students must: achieve a level of comfort with greetings, expressions of courtesy, and master beginning vocabulary used in the classroom, school, and family setting. Mastery of basic Spanish grammatical forms and pronunciation will be emphasized.

SPANISH II (1 CREDIT) **GRADES 10-12** **PREREQUISITE: SPANISH I**

The goal of Spanish II is to encourage the students to develop a higher degree of fluency in reading, writing, and speaking Spanish. Sharpening their skills and abilities will allow students to freely converse and interact in the real world. To meet expectations of this course, students must: attain some degree of fluency. To accomplish this, students will participate in class activities that are designed to immerse them in the Spanish language and culture. Some of the areas of study are: past times, vacations, travel, clothing, stores, daily routine, and food. We will work on the difference between the past tenses (preterite and imperfect) to understand when and how to use them. We will also learn the progressive tenses to say things like, "I am working."

SPANISH III (1 CREDIT) **GRADES 11-12** **PREREQUISITE: SPANISH II**

The goal of Spanish III is to encourage the students to use their attained fluency in reading, writing, and speaking Spanish even more on a daily basis. Expectations are that the student will use Spanish as often as possible in everyday situations where grammar becomes more difficult. Fluency will increase as the students review preterite, imperfect, and other indicative tenses and learn the present subjunctive and commands. Topics of study vary: relationships, diversions, daily life, health, and well-being. Authentic literature and films are used to immerse students in the culture and language. Students will practice more short-answer writing.

Foreign Language Electives

SPANISH IV (1 CREDIT)

GRADE 12

PREREQUISITE: SPANISH III

The goal of Spanish IV is to encourage the students to use their attained fluency in reading, writing, and speaking Spanish even more so on a daily basis. Expectations are that the student will use Spanish as often as possible in everyday situations. Fluency will increase as the students review preterite, imperfect, and other indicative tenses and use the present subjunctive and commands. Passive voice, reflexive verbs, past perfect tense, subjunctive are all reviewed. More verb tenses covering present and past perfect, conditional, and future are also studied, as well as past subjunctive. Cultural topics of study vary. Authentic literature and films are again used to immerse students in the culture and language. Students will again practice short-answer and writing.

Math Electives

For a recommendation and flowchart of Math course pathways, please see page 21.

ALGEBRA II (1 CREDIT) **GRADES 10-12** **PREREQUISITE: GEOMETRY**

This course is a continuation of Algebra 1. Topics include properties of real numbers, order of operations, algebraic solutions for linear equations and inequalities, operations with polynomial and rational expressions, operations with rational exponents and radicals, and algebra of inverse, logarithmic and exponential functions. **A TI-83 or TI-84 graphing calculator is required for this course.** *Students who earn a 70% or higher in this class and choose to enroll in the transcribed credit option will earn 4 credits from Moraine Park Technical College for the course 804-118 Intermediate Algebra with Applications.*

AP COMPUTER SCIENCE PRINCIPLES (1 CREDIT) ***WEIGHTED GRADING COURSE** **GRADES 10-12** **PREREQUISITE: EXPLORING COMPUTER SCIENCE OR ALGEBRA II**

This course is designed to be equivalent to a first-semester introductory college computing course. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field. They will develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world. Successful completion of this course prepares the student to take the AP Computer Science Principles Exam in May. The exam is a requirement of the course and the cost is covered by the school district. **Note: While this course may earn math credit towards high school graduation, not all colleges or universities will accept it as math credit on your transcript.* ***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

CONSUMER MATH (1 CREDIT) **GRADES 11-12** **PREREQUISITE: GEOMETRY and TEACHER RECOMMENDATION. Students that have previously taken ALGEBRA II are not eligible to take this course.**

This course will cover many personal finance topics including Checking, Saving, Types of Credit, Managing Credit, Budgeting, Investing, Financial Pitfalls, Career Readiness, and Insurance.

PRE-CALCULUS (1 CREDIT) **GRADES 11-12** **PREREQUISITE: ALGEBRA II**

Pre-Calculus is an advanced course designed for college preparation. It contains work from Probability and Statistics and Trigonometry. This course reviews topics from Algebra and prepares students for their first college math course. **A TI-83 or TI-84 graphing calculator is required for this course.**

Math Electives

AP COMPUTER SCIENCE A (JAVA) (1 CREDIT)

***WEIGHTED GRADING COURSE**

GRADES 11-12

PREREQUISITE: AP COMPUTER SCIENCE PRINCIPLES or PRE-CALCULUS

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem-solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction. This class is very programming-heavy and should be taken by students who plan on going into computer science and already have a background in coding. Successful completion of this course prepares the student to take the AP Computer Science A (JAVA) Exam in May. The exam is a requirement of the course and the cost is covered by the school district. **Note: While this course may earn math credit towards high school graduation, not all colleges or universities will accept it as math credit on your transcript.*

FINANCIAL ALGEBRA (1 CREDIT)

GRADES 11-12

PREREQUISITE: ALGEBRA II

Financial Algebra is a course that will use mathematics to give you the tools to become a financially responsible young adult. The course employs Algebra, Pre-Calculus, probability and statistics, Calculus and Geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement are solved by applying the relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of the course. **A TI-83 or TI-84 graphing calculator is required for this course.**

AP CALCULUS AB (1 CREDIT)

***WEIGHTED GRADING COURSE**

GRADE 12

PREREQUISITE: PRE-CALCULUS

This course is equivalent to one semester of college calculus. The main topics are integration and differentiation and their applications. Successful completion of this course prepares the student to take the Calculus AB Advanced Placement Examination in May. The exam is a requirement of the course and the cost is covered by the school. **A TI-83 or TI-84 graphing calculator is required for this course.**

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Music Electives

Are you ready to explore your creativity, connect with others, and build skills that will last a lifetime? Laconia High School Music Elective courses offer something for everyone, whether you're a vocal performer, beginning or experienced musician, or just curious about trying something new.

Our Music Electives are more than just notes and rhythms—you'll discover how music can express emotions, tell stories, and bring people together. From playing instruments and singing, to exploring music technology and songwriting, there's opportunity for you to find your unique voice. Plus, studies show that music education can boost your confidence, improve your focus, and even help with your academics.

Performance Requirements:

Students will be expected to regularly attend and participate in performance-based vocal and instrumental music classes and attend several private and/or small group voice or instrument lessons. Further expectations include attending and performing at school concerts, pep band, and occasional special concerts organized for the Rosendale-Brandon community. Solo-Ensemble participation is elective for all choral and instrumental students. However, large ensemble participation on Solo-Ensemble day may be required in advanced choral classes, concert band, jazz lab, and symphonic band. Elective solo and/or ensemble participants are required to pay a fee as established by the Rosendale-Brandon Board of Education.

LACONIA SINGERS (1 CREDIT) GRADES 9-12

This group of mixed voices meets daily. Students will sing a variety of genres of choral music, including music from different time periods and languages.

ADVANCED TREBLE CHORUS (1 CREDIT) GRADES 9-12

PREREQUISITE: INSTRUCTOR APPROVAL

This group of treble voices meets daily. Students will sing a variety of genres of choral music, including music from different time periods and languages.

CONCERT BAND (1 CREDIT) GRADES 9-10

Concert Band is a year-long course open to any Sophomore or Junior students with previous instrumental music experience. Students will participate in pep band, marching band, and concert band performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. Attendance at all performances is required. Bi-Annual field trips are offered to interested students.

Music Electives

SYMPHONIC BAND (1 CREDIT)

GRADES 11-12

Symphonic Band is a year-long course open to any Junior or Senior student with previous instrumental music experience. Students will participate in pep band, marching band, and concert band performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. Attendance at all performances is required. Bi-Annual field trips are offered to interested students.

JAZZ LAB (1 CREDIT)

GRADES 9-12

PREREQUISITE: AUDITION ONLY - SEE BAND DIRECTOR

Students are selected for this performing group by audition. Public performances outside of school and on weekends will be scheduled. Students are expected to attend all these events. Students must be enrolled in concert band or symphonic band to perform in the jazz ensemble unless they have special permission from the director.

INTRODUCTION TO PLAYING GUITAR (1 CREDIT)

GRADES 9-12

This course is open to any student interested in learning basic acoustic guitar playing skills. This class is aimed at students who are interested in music that may or may not be currently enrolled in other music courses. The objective of the course is to teach students introductory skills that apply to all areas of guitar playing and to equip them with the tools for learning any genre of their interest. Topics include instrument care, note and rhythm reading, strumming, fingerpicking, chord progressions, and songwriting. Performances may be required and are strongly encouraged. **Additional fee required.**

INTERMEDIATE GUITAR (1 CREDIT)

GRADES 10-12

PREREQUISITE: INTRODUCTION TO PLAYING GUITAR

This one-year course is designed for students who have successfully completed the skills outlined in the Introduction to Guitar course description and have received an average grade of B or better for both semesters. This course includes further development of the skills necessary to become independent as a guitarist and emphasizes the development of style, articulation, dynamics, rhythmic ability, and skills inherent to performance. Areas of concentration include correct posture, note reading, aural skills, flat-picking, singing and strumming songs in syncopated strumming patterns, second-position chord study, fingerpicking styles, musical forms, improvisation, and performing experiences. A progression of technical proficiency is expected. Performances may be required and are strongly encouraged. **Additional fee required.**

Physical Education Electives

The Physical Education Department and the Rosendale-Brandon School District, has made a commitment to prepare students to live healthy, productive, and physically active lives. Therefore, students who are required to take Physical Education credits will:

- Encounter a variety of challenges that will contribute to the development and maintenance of their physical, cognitive, and affective well-being.
- Be provided with the foundation for making informed decisions that will empower them to achieve and maintain a healthy lifestyle.
- Be encouraged to engage in physical education as a lifelong process, which is the primary responsibility of the student shared by home, district and community.

All classes can be taken as a required class or as an elective, but students can only take one Physical Education class per semester. Courses are offered based on student requests; therefore, if there are not enough student requests to run a course, students may have to choose an alternate class to satisfy their physical education requirement. Courses will be filled with students needing the course to fulfill a requirement first and elective choice requests second, where space when registering permits.

PERSONAL WELLNESS AND FITNESS (.5 CREDIT) GRADES 9-12

Students in this class will be part of a **non-competitive** class structure. Students will participate in a variety of group and individual workouts such as circuit training, aerobics, yoga, weight training, etc. They will also have the option to create and implement a self-designed workout program to follow on a daily basis. Through these activities, students will learn the knowledge and skills needed to develop and maintain a lifetime of optimal health and fitness. There will also be low-level/non-competitive games (Disc Golf, Badminton, Snowshoeing, Volleyball, Ping Pong, etc) played in this class one or two days per week for the students that do not create their own personal fitness/wellness program. The following components are included: physical fitness testing (pre/post), various fitness activities, non-competitive games that promote being active, personal habits, nutritional awareness, stress management, and environmental factors that influence one's health. The class will consist of 1-2 game days and 3-4 workout days per week. *Pre/Post Fitness and skill testing will be conducted. All students will also be required to complete any assignments in Google Classroom by the required due date.*

Physical Education Electives

STRENGTH-SPEED-AGILITY (.5 CREDIT)

GRADES 9-12

This course is designed to provide students with a basic-advanced understanding of weight training, speed training, and performance-based fitness as it applies to a healthy lifestyle and improved performance. Students will be taught how to design a personal fitness program that incorporates cardiovascular training and resistance training. There will also be nutritional information provided. This class is designed for male and female students and athletes who want to take their performance to the next level, or for student who wants to take their personal fitness to an optimal level. There will be NO games played during this class. The class will consist of 5 workout days per week. *Pre/Post Fitness and skill testing will be conducted. All students will be required to complete a Daily Fitness Log.*

TEAM SPORTS/FITNESS (.5 CREDIT)

GRADES 9-12

This class involves fitness/group training sessions, competitive ball-related sports, and net games where teamwork and sportsmanship will be emphasized. The weight room can be utilized for this class as an alternative to the game/activity for the day if they choose. A typical week will generally include two workout days and three game/sport-related days. However, the instructor can make modifications to this schedule as needed. Some activities include soccer, basketball, ultimate frisbee, volleyball, hockey, disc golf, and much more. *Pre/Post Fitness and skill testing will be conducted. All students will be required to complete any assignments in Google Classroom by the required due date.*

Science Electives

AP BIOLOGY (1 CREDIT) - OFFERED ODD YEARS BEGINNING 2025-2026

***WEIGHTED GRADING COURSE OFFERED**

GRADES 11-12

PREREQUISITE: CHEMISTRY

The AP Biology course is designed to be the equivalent of a college introductory course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Students taking AP Biology may receive credit and advanced placement at most colleges upon successfully completing the advanced placement examination. The advanced placement course will emphasize laboratory and individual study. Areas of study and experiment range from molecules and cells to genetics and evolution, to organisms and populations. Experiments may include the areas of organic molecules and enzymes, molecular and Mendelian genetics, comparative vertebrate anatomy and physiology, plant anatomy and physiology, and ecology. **Additional fee required.** *Due to the volume of material that is needed to be covered, a summer assignment will be required to be completed prior to the start of school. Additionally, students will need to attend class on two Saturdays in order to complete extended lab requirements.*

Successful completion of this course prepares the student to take the Biology Advanced Placement Examination in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District.

AP CHEMISTRY (1 CREDIT) - OFFERED EVEN YEARS BEGINNING 2026-2027

GRADES 11-12

PREREQUISITE: CHEMISTRY AND ALGEBRA II or ADVANCED ALGEBRA II. It is recommended that students have earned a grade of 80% or higher in each of the prerequisite courses.

This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. **Additional fee required.** *Due to amount of coursework, a summer assignment will be required to be completed prior to the start of school.*

Successful completion of this course prepares the student to take the Chemistry Advanced Placement Examination in May. The exam is a requirement of the course and the cost is covered by the Rosendale Brandon School District.

***A weighted course requires a higher level of effort due to its difficulty. It gives extra points toward your GPA—for example, an "A" might count as 5.0 instead of 4.0. These classes help boost your GPA and show colleges you're taking on more challenging work.**

Science Electives

CHEMISTRY (1 CREDIT) **GRADES 10-12**

Chemistry is the study of matter and how it changes. By studying chemistry, you will discover how some of the smallest particles in the universe interact and are able to come together to form all of the matter that you see (and don't see) around you. Some topics covered in Chemistry are the structure of the atom, periodicity, chemical bonding and reactions, stoichiometry, reaction rates, and nuclear reactions. Math is used frequently in Chemistry, so a scientific or graphing calculator is required.

Additional fee required for lab materials and supplies.

ENVIRONMENTAL GEOLOGY (1 CREDIT) **GRADES 10-12**

This course will focus on the function of the Earth's systems. Emphasis is placed on human interactions with Earth's geologic and environmental systems. This class will help students develop an awareness of the scientific and social-environmental problems facing planet Earth, along with the history of the Earth. Topics of study include astronomy, mapping, rocks, plate tectonics, volcanoes, earthquakes, water, weather, and geologic time. Students will complete many online activities and a few hands-on activities in order to explore the concepts being studied.

FORENSIC SCIENCE (1 CREDIT) **GRADES 11-12**

This course is designed to introduce the student to practical applications of Chemistry, Physics, and Biology in the study of forensics. This course will provide students with an introduction to the understanding and practical application of forensic science techniques including forensic evidence collection and examination, crime scene investigations, forensic entomology, forensic anthropology, forensic toxicology, drugs and poisons, ballistics, bloodstain pattern analysis, DNA typing, understanding of the relationship between forensic science and legal studies, and career opportunities in forensics. Grades will be based on a combination of labs, projects, and written tests. **Additional fee required for lab materials and supplies.**

Science Electives

HUMAN ANATOMY AND PHYSIOLOGY (1 CREDIT)

GRADES 11-12

PREREQUISITE: CHEMISTRY

This class is a one-year course that examines the concepts of human anatomy and physiology. Students in this class will gain knowledge of the location, structure, and function of human anatomical structures such as bones, muscles, nerves, and blood vessels. Through the use of laboratory investigations and practicals, models, online sources, and multi-functional worksheets, students will memorize human anatomy. The physiology portion of the class will study the functions of the anatomy students learn and ask the question, "How do the parts of the body work?". Students will also gain knowledge about real-world applications of anatomy and physiology through their studies. Additionally, this course includes dissections which will help students to visualize the anatomy. The capstone for this course includes the opportunity for students to visit a cadaver lab. **Additional fee required for lab materials and supplies.** *Students who choose to enroll in the dual credit option may receive credit for Basic Anatomy #806-197 from Moraine Park Technical College if they receive 70% or higher.*

PHYSICS (1 CREDIT)

GRADES 11-12

PREREQUISITE: ALGEBRA II or CHEMISTRY

Physics is the study of matter and energy in space and time. Some topics covered in Physics are linear and non-linear motion, forces, sound, optics, and electricity. Physics students at Laconia High School participate in many hands-on activities, labs, and problem-solving sessions. Physics is a math-based course, so a scientific or graphing calculator is required.

Social Studies Electives

ANCIENT WORLD HISTORY (.5 CREDIT) GRADES 9-12

This is a survey course, which will highlight major civilizations, events, and individuals that have had a lasting impact throughout history. Early cultures that will be studied include Ancient Egypt, Greece, Rome, and several others. Individuals will include Alexander the Great, Caesar, Hannibal, etc.

CURRENT EVENTS (.5 CREDIT) GRADES 9-12

This class will keep you informed about the news and stories affecting your life. Activities will include Internet research, news games and competitions, oral reports, discussions, and lectures. Because the scope of the course changes each semester, students can take the class anytime from their freshman through senior years, if they wish. This class is open to freshmen, sophomores, juniors, seniors and can be taken either semester or both semesters; however, to encourage variety in your educational career, the department recommends taking this class a maximum of one semester per year.

EXPLORING SOCIAL STUDIES (.5 CREDIT) GRADES 11-12

Scandals, lies, and mystery! Get your fill and more in Exploring Social Studies (ESS). ESS is a class designed to expose students to a variety of social studies topics. The course will cover issues related to psychology, sociology, history, government, and more. ESS students will be exposed to subjects and activities that will range from gangsters and outlaws to dead presidents and criminal minds. Due to the flexibility of the curriculum, students may sign up for as many semesters as they wish.

SOCIAL PSYCHOLOGY (.5 CREDIT) GRADES 11-12

This course is an introduction to psychology with an emphasis on understanding social relationships, personality, social behavior, motivation, feelings, and intelligence as it relates to the individual student. Students will discover new ways of looking at and interpreting their own behaviors. This is a one-semester course open to juniors and seniors, with seniors getting the first choice.

Technology Education Electives

EXPLORING TECHNOLOGY (1 CREDIT) **GRADES 9-12**

If you enjoy active, hands-on learning, then this is the class for you. In this class, you will plan and build projects using different materials and machinery. Emphasis is on problem-solving, design, critical thinking, and collaboration. Students planning on taking technology education classes at Laconia High School must start with this exploratory class. In addition to the required fee for maintaining equipment, you will also be expected to purchase materials for the personal projects that you will be building. **Additional fee required.**

CONSTRUCTION TECHNOLOGIES I (.5 CREDIT) **GRADES 10-12**

PREREQUISITE: EXPLORING TECHNOLOGY

This course is an introduction to some of the structural design and techniques in residential and commercial construction. Students will be given instruction on project-planning techniques, as well as the safe and proper use of hand and power tools. Projects are assigned so the student gains problem-solving skills and learns proper construction techniques. In addition to the required fee for maintaining equipment, you will also be expected to purchase materials for the personal projects that you will be building. **Additional fee required.**

CONSTRUCTION TECHNOLOGIES II (.5 CREDIT) **GRADES 10 – 12**

PREREQUISITE: CONSTRUCTION TECHNOLOGIES I

This course is a further exploration of the structural design and techniques in residential and commercial construction. Students will be introduced to various systems and careers in the construction industry. In addition to the required fee for maintaining equipment, you will also be expected to purchase materials for the personal projects that you will be building. **Additional fee required.**

INTRODUCTION TO ELECTRONICS AND ELECTRICITY (.5 CREDIT) **OFFERED EVEN YEARS BEGINNING 2026-2027** **GRADES 10-12**

PREREQUISITE: EXPLORING TECHNOLOGY

Through a combination of written work and laboratory experiences, this course provides a general overview of electricity and electronics. Students will study Electrical theory, Ohm's Law, residential wiring, automotive wiring, and electronic circuits. There will also be activities and discussions of alternative energies such as wind and solar. **Additional fee required.**

Upon successful completion of this course with a 70% or higher, students who choose to enroll in the transcribed credit option will earn credit for Moraine Park Technical College's "Beginning Electrical Concepts" course #413-350.

Technology Education Electives

MANUFACTURING TECHNOLOGY (1 CREDIT)

GRADES 10-12

PREREQUISITE: EXPLORING TECHNOLOGY

This course introduces the basics of design, welding, fabrication, machining, and manufacturing. In this class, students will engage in problem-solving challenges that encourage creative thinking, engineering, and innovation. **Additional fee required.**

SMALL ENGINES/TRANSPORTATION (.5 CREDIT)

OFFERED ODD YEARS BEGINNING 2025-2026

GRADES 10-12

In this course, students will learn the operating principles of gasoline engines. Through disassembling and reassembling small engines, students will gain a basic understanding of the science and theory behind 2- and 4-stroke cycle engines. Other topics include diagnostics and problem solving as well as general repair and maintenance.

ADVANCED CONSTRUCTION (.5 CREDIT)

GRADES 11-12

PREREQUISITE: EXPLORING TECHNOLOGY and CONSTRUCTION TECHNOLOGY I & II

Advanced Construction may be taken after successful completion of Construction I & II. The intent of this course is to allow students who are interested in the career field to explore some of its opportunities while participating in a capstone project. Students are allowed to enroll in Advanced Tech classes for more than one semester. In addition to the required fee for maintaining equipment, you will also be expected to purchase materials for the personal projects that you will be building. **Additional fee required.**

ADVANCED MANUFACTURING (1 CREDIT)

GRADES 11-12

PREREQUISITE: EXPLORING TECHNOLOGY and MANUFACTURING

This course will advance student's skills in the manufacturing and engineering fields and will present many problem-solving challenges. The main focus of this course is designing and building Project Grill with an emphasis on welding and metalworking skills. Because it is a college-level course, students should expect challenging material and regular homework. Students are allowed to enroll in Advanced Tech classes for more than one year, but will only receive MPTC credit once. **Additional fee required.** *Upon successful completion of this course with a 70% or higher, students who choose to enroll in the transcribed credit option will earn credit for Moraine Park Technical College's "Welding Theory & Safety" course #442-337 and "Gas Metal Arc Welding" course #442-357.*

