

2020-2021 Ritenour High School

Course Selection Handbook

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Involvement
Responsibility
Successful
Ritenour
Husky Pride
Perseverance
Respect
Positive Attitude
Dedication
Excellence
Motivation



Ritenour School District

Dear Parents and Students,

The mission of Ritenour High School (RHS) is to ensure learning occurs in a supportive environment that enables every student to think critically, solve problems and develop the knowledge and skills necessary for success in our diverse, global society. Our goal is for students to graduate from RHS college and career ready. As a staff, we are committed to do whatever it takes for our students to be both prepared and successful here at RHS and beyond high school. We expect our students to take a personal responsibility in their daily effort to make this goal a reality for themselves. In order to do so, all students (with their guardians) are expected to properly plan a four year program of study. It will not only meet the RHS graduation requirements, but also prepare them for post-secondary learning and their future career fields.

As you review this course book, you will find many courses require prerequisites. As a result, you must plan each semester so that you are eligible to enroll in advanced courses of study that best meet your goals and needs. Please also remember that the courses you take will impact your level of achievement on the ACT, SAT, ASVAB and Missouri End of Course Exams. You will achieve at higher levels if you take more courses (i.e.; English, math, science, and social studies) than required for graduation. All seniors are expected to take challenging courses in these areas as well, to better prepare for college and their next steps.

After reading this course book, please review your course selections with your counselor. Course selections should be based on your personal goals for high achievement and your post-secondary plans. Whether you are planning to enroll in college, enlist in the military, or be gainfully employed in the community, educational planning is essential. I encourage all to stop by the RHS College and Career Center as a starting point as you begin planning your future today.



Sincerely,

Jeffrey Marker
Principal

“Dream Bigger, Work Harder, Achieve More”











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Mission Statement

The mission of Ritenour School District is to ensure learning occurs in a supportive environment that enables every student to think critically, solve problems and develop the knowledge and skills necessary for success in our diverse, global society.

Ritenour High School Mission Statement

Ritenour High School strives to:

- Provide a safe, supportive and challenging learning environment
- Allow for students to develop academically, socially and emotionally
- Encourage students to become life long learners

And thereby produce individuals

- Who are able to read, write, calculate and think critically
- Who will become responsible, productive citizens
- Who are prepared for the workplace, a democratic society and an ever-changing global society.



Our goals are to improve – School Climate, Leadership, Achievement, Attendance!

Notice of Non-Discrimination

The Ritenour School District does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, disability, age or any other characteristic protected by law in its programs and activities. The following person has been designated to handle inquiries regarding non-discrimination policies:


Administrator for Student Services
Ritenour School District
2420 Woodson Road
St Louis, MO 63114
(314) 493-6055

Further information on notice of non-discrimination may be obtained from the Office of Civil Rights, (800) 421-3481.

General Information for Parents and Students

Coming to the high school is a major step in your child's education. The following terms and definitions may be helpful to you as your child progresses through the high school.

Virtual Education

Hybrid/Online Course —These courses provide students who participate in the Scholars Academy with a learning experience that offers flexibility. Hybrid Courses meet face-to-face 1 or 2 days a week. The other days of the week the class meets digitally. This schedule will allow students flexibility in how they use their time and the resources which are available to them. Students will gain valuable experience learning in an environment in which they are responsible for managing their time and effort. These collegiate style courses will prepare students for college and career where these skills are invaluable. **Students must meet Scholars Academy Criteria for this option: 3.0 GPA, 90% minimum attendance, no discipline concerns.**

Hybrid Online Course Offerings include: Creative Writing, AP Lit and Comp, Computer Imaging II, Wealth Management/Personal Finance, College Comp I, College Comp II.

Missouri Course Access Program (MOCAP)—Because virtual instruction can be an effective education option for some students, there may be courses available either through a district-provided virtual option or through the Missouri Course Access Program (MOCAP). More information about virtual courses can be found on our website at <https://www.ritenour.k12.mo.us/Page/1>.

Grade Point Average (GPA): Current and Cumulative—The grade a student receives in each class is used to calculate the student's grade point average (GPA). A student's current GPA is based on the grades for the semester just completed. The grade points earned in all courses for that semester are converted to Quality Points; Attempted Credit * by Value ex A=4, AC=.5 QP=2. Each letter grade is converted and totaled to Quality points then divided by attempted credits. A=4, B=3, C=2 D=1 and F=0. The cumulative GPA is based on all courses completed at the high school. (GPA is important when applying to programs after high school graduation.)

An example of calculating a students GPA for Semester 1:

Course	Attempted Credit	Letter Value Point	Letter Grade	Quality Point
Algebra I	.5	4	A	= 2
English I	.5	3	B	= 1.5
U.S. History	.5	4	A	= 2
Physics First	.5	4	A	= 2
Principals of Business	.5	3	B	= 1.5
Spanish I	.5	4	A	= 2
Physical Education	.5	4	A	= 2
TOTAL	3.5			13

GPA calculation Quality Points/Attempted Credit = 3.714

Semester—A semester consists of 18-20 weeks with several Interim Progress Reports. Two semesters equal one academic year.

Credit—A course that meets every day for one semester yields 1/2 credit. Your child must earn a D or above to receive credit. (No credit is granted for a single quarter period.) He or she must have a minimum of eighteen (18) credits or administrative approval by August of 2016 to be considered a senior and receive the privileges accorded to seniors.

Class Rank—A student’s academic standing in relation to his/her class members is referred to as class rank. The final class rank is determined by comparing each student’s weighted cumulative GPA.

Transcript—Your student’s high school transcript is a permanent record of his or her grades in all courses taken at the high school.

Pass/Fail Option—A grade of “P” will not be included in the student’s GPA; a grade of “F”, however, will be included. A course for which a student has elected the pass/fail option will not count toward the requirements for an Honors Diploma.

Dual Enrollment—Students may enroll in college classes on the college campus itself during the school year or summer session if such enrollment does not prohibit the student’s attendance at Ritenour High School. Credit earned under dual enrollment satisfies Ritenour requirements for graduation only if the courses taken are similar to those taken on campus during the regular school year as part of a program approved by the high school principal. Questions should be directed to your student’s counselor.

Correspondence and/or Community Education —Select offerings are available only for seniors under special circumstances on a case-by-case basis. The high school principal gives permission to enroll in such courses and grants credit. Students may take a maximum of four courses in their senior year but no more than two in one semester. Student is responsible to pay the cost of the correspondence course.

Missouri Course Access Program (MOCAP)—State law requires that credits earned through the MOCAP or Edgenuity apply toward graduation if they fall within the required subject matter designations and are earned during the period that the student is classified as a ninth through twelfth grader.

Course Selection—Your student should select courses to meet graduation requirements that relate to his or her plans following graduation (college, career pathway, etc.) Meeting minimum high school graduation requirements does not ensure that a student has completed all courses necessary for college. Encourage your student to take challenging courses!

Schedule Changes—The Counseling Office will make every possible effort to fulfill all course requests, however, it may be necessary to make adjustments to schedules to maintain appropriate class sizes and accommodate changes in staffing. The only changes that will be made are if a student is misplaced academically, a course has already been taken and passed in a previous semester or if a change is necessary to meet graduation requirements for seniors. Student/parent requested scheduled changes after the semester begins must take place within the first week of the term and require parent signature and confirmation in person or via phone contact.

College Credit (Dual Credit)—Some courses are offered in conjunction with local universities such as St. Louis University and University of Missouri—St. Louis and St. Louis Community College for both high school and college credit. Eligibility to participate in dual credit courses varies in accordance with the admission standards of each institution. Costs of dual credit vary by partnering college or university. For example, the current cost of dual credit through St. Louis Community College is \$75, and is the financial responsibility of the student or parent.

For all institutions, however, students must:

- have a minimum grade point average of 3.0 (on a 4.0 scale) or the equivalent
- be recommended by the high school principal or his or her designee, and
- meet the same requirements for the course as on-campus students.

Students in Dual Credit courses may receive an additional grade point beyond the normal 4.0 grade scale. Students must earn an “A” or “B” to receive the point.

Ritenour Board of Education Regulations

Graduation Requirements

Section I: Instruction

Excerpt from IKF-R

Graduation Requirements

English/Language Arts (English I, English II, English III)	4.0
Mathematics	3.0
Science (Biology*)	3.0
Social Studies** (U.S. History, World History, Government)	3.0
Fine Arts	1.0
Practical Arts	1.0
Physical Education	1.0
Health	0.5
Wealth Management/Personal Finance	<u>0.5</u>
Total Specific Requirements	17.0
Electives	<u>7.0</u>
Grand Total	24.0

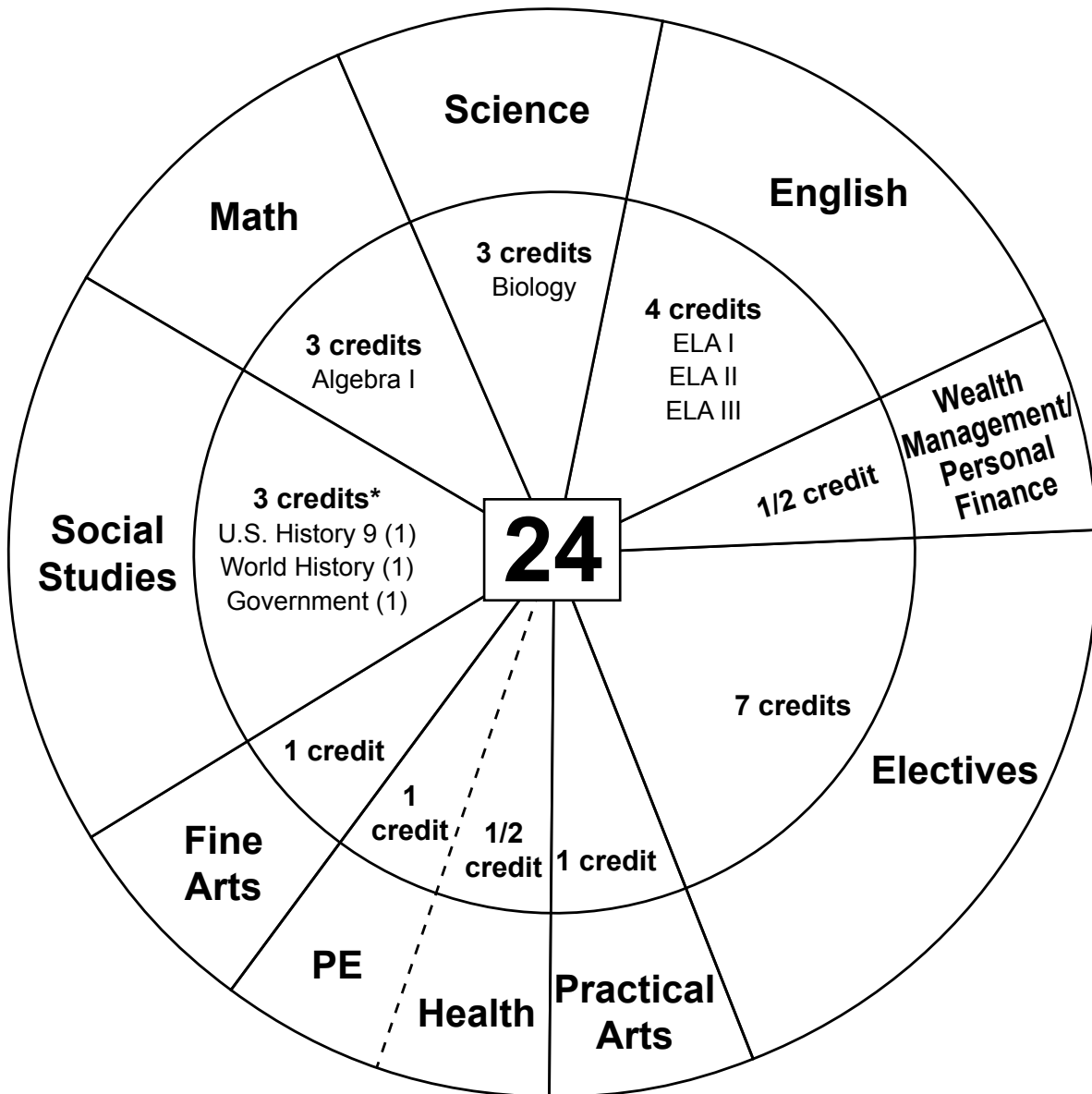
*Beginning in 2019-2020 students are required to earn 1.0 credits in Biology.

**Students must pass a U.S. Constitution test and a Missouri Constitution test to meet graduation requirements. Beginning with the graduating class of 2021, students are required to pass the U.S. and Missouri Constitution tests and the American Civics Assessment for graduation as part of the year-long Government course in 11th grade.

Any specific graduation requirement may be waived for a student with a disability if recommended by the Individual Education Program (IEP) team and approved by the principal.

When 12th grade transfer students are unable to meet state or local high school graduation requirements, the principal may permit the student to participate in the graduation ceremony if they would have graduated from the former school had they not transferred.

Graduation Requirements



Courses taken in the following subjects satisfy the fine art requirement:

1. Art
2. Music
3. Theatre

Courses taken in the following subjects could satisfy the practical art requirement:

1. Business Education
2. Family and Consumer Science
3. Project Lead the Way
4. Media Convergence

Administrative Procedures

Vocational Education/Applied Technology Credits (Dual Enrollment)

The credits per semester earned from the dual enrollment applied technology programs offered by the Special School District (tech school) will be converted to ensure that students receive the same amount of transfer credit. The Ritenour Board of Education graduation policy will apply to all students dually enrolled (Ritenour/Special School District Applied Technology).

Alternative Programs (ACE/Re-entry)

Students enrolled in the Ritenour Alternative Program may receive a Ritenour School District diploma if they meet the requirements established by the Ritenour Board of Education. Students attending the ACE program will receive a diploma through ACE.

College Admission Requirements

Requirements for admission to college will depend on the college to which you are applying, and the kind of program you expect to pursue. The best approach to college planning is to strive to keep options open by taking a good distribution of academic coursework all four years of high school, with as much preparation in each area as possible. You should begin planning early for college so you will have the necessary requirements when it is time to apply to the college of your choice. Many colleges and universities are increasing admission requirements, especially in the area of core courses. Parents and students should check individual institutions for specific requirements and work closely with the Counseling Office at the high school.

College Freshman Athletic Eligibility Requirements

For students considering participation in collegiate sports, it is imperative that they meet the academic requirements of the NCAA. The NCAA Eligibility Center evaluates the transcript of every potential athlete who has registered with the Center. Registering with the NCAA Eligibility Center is a first step in becoming eligible for collegiate athletics.

Please contact your high school's College Specialist and Athletic Director regarding specific questions about NCAA eligibility and registering with the Eligibility Center. There have been a number of important changes in eligibility requirements; these individuals can help you with the information that you need.

It is the responsibility of the student athlete to secure the information needed on NCAA eligibility from the following website: www.eligibilitycenter.org.

Courses listed in this guide exceed the number of courses that ultimately will be offered. Only those courses with a sufficient number of students enrolled will be placed in the master schedule.

Ritenour Board of Education Regulations

Graduation Requirements

Section I: Instruction

Reference: IKF-R-1

Valedictorian/Salutatorian

To be honored as class valedictorian or salutatorian students must satisfy the following criteria.

1. Earn 26 credits as follows.
2. Earn the required credit during eight consecutive semesters of enrollment at Ritenour High School. Transfer students must attend Ritenour High School for a minimum of four consecutive semesters with the last semester coinciding with the last semester for that year's graduation class. (Credits earned from the Summer Enrichment Academy are counted with the following semester credits.)
3. Receive at least one grade point for the letter grade earned in each course in which the student is enrolled during the eight consecutive semesters (Honors Study Hall is permissible.)
4. Complete all applicable course work and be granted credit for it at the close of each semester, unless the high school principal grants an exception.
5. All credit must be granted through Ritenour High School and be in accord with the school graduation requirements, including dual enrollment credit, which must also be approved by the high school principal.
6. The high school principal must verify all calculations and qualifying data prior to the student being officially designated as an honoree.

The following credit does not apply to academic honors recognition:

- a. Remedial credit earned in summer school
- b. Courses taken on the pass/fail option

Students can also earn Latin Honors as follows:

- Cum Laude: 3.25 to 3.49 GPA
- Magna Cum Laude: 3.5 to 3.79 GPA
- Summa Cum Laude: 3.8 or higher GPA

Beginning with the class of 2021, Valedictorian and Salutatorian will not be recognized and graduation speeches will be proposed by students in the Summa Cum Laude and Magna Cum Laude Honors and will be selected by the English Department.

Career and Technical Education

The 98th Missouri General Assembly passed legislation in 2016 which required the State Board of Education, in consultation with the CTE Advisory Council, to establish minimum requirements for a career and technical education (CTE) certificate that a student can earn in addition to his or her high school graduation diploma. Beginning July 1, 2017, students entering high school in school year 2017-18 and thereafter shall be eligible to earn a career and technical education (CTE) certificate.

The requirements set forth by the State Board of Education are intended to provide students with the necessary technical and employability skills to be prepared for an entry-level career or additional training in a technical field. Students must meet all requirements in order to receive the CTE certificate. It is intended that schools support student efforts to accomplish these requirements through the development and monitoring of the individual personal plan of study based on a career pathway.

Certificate Criteria

The requirements for the CTE Certificate are as follows:

1. Meet all requirements set forth in state and local board of education policies related to earning a high school diploma.
2. Qualify as a career and technical education (CTE) concentrator. A CTE concentrator is defined as a student who has earned three or more credits in a sequence in any department-approved career education program area as defined on the student's personal plan of study.
3. Maintain a minimum grade point average of 2.0 on a 4.0 point scale in the CTE area of concentration as defined on the student's personal plan of study.
4. Pass an approved Technical Skill Assessment (TSA) and/or earn an approved Industry-Recognized Credential or Certificate (IRC) aligned with the student's CTE area of concentration.
5. Complete a minimum of 50 hours of appropriate work-based learning experiences aligned with the student's CTE area of concentration. Work-based learning experiences may include Registered Apprenticeships, Cooperative Career Education programs, internships, clinical settings, job shadowing, entrepreneurial experiences, school-based enterprises, structured business/industry field trips, service learning or other opportunities that provide students with real-time, authentic work experiences.
6. Maintain at least a 95% attendance record overall for grades 9-12.
7. Demonstrate attainment of soft-skills/business skills. The requirement can be met in one of three ways:
 - Active participation in a Career and Technical Student Organization during the junior or senior year; or
 - Score at proficient or advanced level on a district-developed or adopted soft-skill/ethics assessment during the junior and/or senior year; or
 - Three or more letters of recommendation, from at least three different business or industry employers or other individuals who have knowledge of the student and can assure that the student has a high level of soft-skill efficacy and is career ready. Letters may not be from a relative or student.
8. Achieve a score at or above the state standard on any department-approved measure(s) of college and career readiness, for example, the ACT®, SAT®, ACT-WorkKeys®, or the Armed Services Vocational Aptitude Battery as determined in the most current MSIP performance standards. Schools are to use the .75 weighted measures described in the Assessment Scores Matrix as the standard. This matrix is found in Appendix C of the MSIP 5 *Comprehensive Guide to the Missouri School Improvement Program, 2016*.

Other Classes

911111 ACT Prep

Prerequisite: None

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

ACT Prep is for students who are serious about wanting to improve their ACT scores. Students will learn strategies and content specifically designed for the ACT test. Subjects covered are English, Reading, and Math. The semester will be split into two nine week sessions, one focusing on English and Reading while the other will focus on Mathematics. At the beginning of the semester, students will take a Pre-Test to identify strengths and weakness. Upon completion of the course, a Post-Test will be administered to assess growth and improvement.

335101 Accuplacer Prep

Prerequisite: None

Grade Placement: 10 (semester 2), 11, 12

Length of Course: 1 semester

Credit: 1/2

Accuplacer Prep is for students who intend to go to community college. Students will learn strategies and content specifically designed for the Accuplacer test. Subjects covered are English, Reading, and Math. The semester will be split into two nine week sessions, one focusing on English and Reading while the other will focus on Mathematics. At the beginning of the semester, students will take a Pre-Test to identify strengths and weakness. Upon completion of the course, a Post-Test will be administered to assess growth and improvement.

907907 Emergency Medical Technician—(EMT100)

Prerequisite: Second Semester Seniors, on track for graduation, 90% attendance record, successful interview and entrance assessment, pass a background check and drug screening

Grade Placement: 12

Length of Course: 1 semester (only offered second semester)

Credit: 1.5 (1st-3rd period class)

This course prepares students to take the EMT Certification Assessment after High School Graduation.

Course topics include: roles and responsibilities of the EMT, EMS systems and communications, documentation, ethics, ambulance operations, MCI command, terrorism, and crime scene awareness. Pharmacology includes the pharmacodynamics and pharmacokinetics of medications, administration techniques, and therapeutic communications. Additional topics include oxygen

administration, basic airway management, and adjuncts used in airway management and ventilation.

Cardiovascular topics including BLS, use of an AED and cardiovascular disease, management of cardiovascular related illness, ischemic heart disease and failure, cardiogenic shock, pericardial disorders, and hypo and hypertensive emergencies with patient specific assessment. Assessing and managing patients with specific medical conditions includes: neurologic emergencies, abdominal, genitourinary, and renal emergencies, toxicology, anaphylaxis, hematologic and immunologic emergencies. Special population topics reviews obstetrics and gynecology, pediatrics, gerontology, psychiatric and behavioral emergencies and patients with special challenges. Traumatic emergencies reviews the pathophysiology, assessment and management of adult and pediatric patients with injuries involving various body systems.

905011 English for Speakers of Other Languages—Skills and Communication I

Prerequisite: ESOL teacher or counselor recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Skills and Communications I is a course for beginning speakers of English, focusing on basic interpersonal communication skills. Students will use English to interact socially with spoken and written English and use learning strategies to extend their communicative competence. Skill lessons in pronunciation, grammar and writing mechanics are a part of the daily assignments and are designed to develop language skills that will enable students to participate fully in content classes as soon as possible.

905021 English for Speakers of Other Languages—Skills and Communication II

Prerequisite: ESOL teacher or counselor recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Skills and Communication II is a multi-level course for intermediate and advanced learners extending basic interpersonal communication skills and increasing cognitive academic language proficiency. Students will use English to achieve academically in all content area by obtaining, processing and constructing information in spoken and written form. Students will also use English in socially and culturally appropriate ways.

905031 English for Speakers of Other Languages—Skills and Communication III

Prerequisite: ESOL teacher or counselor recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Skills and Communication III is a course for high intermediate learners increasing cognitive academic language proficiency. Students will use English to achieve academically in all content areas by obtaining, processing, and constructing information in spoken and written form. Students will also use English in socially and culturally appropriate ways.

905032 ESOL Skills

Prerequisite: ESOL Teacher or Counselor recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

ESOL Skills is a multi-level course that provides resources for students in the areas of testing and meeting objectives of mainstream courses. Students will use English to achieve academically in all content areas by obtaining, processing and constructing information in spoken and written form. Students will also use appropriate learning strategies to construct and apply academic knowledge.

100101 Honors Study Hall

Prerequisite: Enrolled in Honors or AP course work, minimum 3.0 GPA, parent approval

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: NO CREDIT

The purpose of this course is to provide study time for students taking Honors and Advanced Placement course work in a structured environment at school. Students may be assigned to RHS Library or a classroom with teacher supervision.

915271 Leadership—Semester 1**915272 Leadership—Semester 2**

Prerequisite: Teacher/administrator recommendation

Grade Placement: 10 (full year only), 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Leadership class helps students develop leadership skills. Course work includes training in leadership activities, community and school service activities, running student elections, planning homecoming activities, and working for charitable organizations in the Ritenour community.

988100 Students as Mentors

Prerequisite: Student must have a signed A+ Student Participation Agreement on file in the A+ office; Student must be able to provide his or her own transportation to his or her tutoring site; Student must obtain approval from the A+ Coordinator or Counselor.

Grade Placement: 11 or 12

Length of Course: 1 semester

Credit: 1/2 (Students may receive a letter-grade or take this course for pass/fail.)

Students will be assigned a tutoring site and teacher within the Ritenour School District. Students will report to that site during their scheduled Students as Mentors class period. Students will tutor for students in their assigned class and cooperating teachers will verify the tutoring hours completed.

Art

Fine Art Graduation Requirement (1 Credit)

Courses that meet the Fine Arts requirement can be found in Art, Music and Drama.

902024 Advanced Digital Photography

Prerequisite: "C" or better in Digital Photography and teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

An advanced course that continues the concepts and skills learned in digital photography. This class takes the student from intermediate skill levels through advanced levels in digital photography, "digital darkroom" and advanced digital capture of all types. This course requires the student to have taken digital photography.

902134 Advanced Painting

Prerequisite: "B" or better in Painting and teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

Advanced Painting students explore their knowledge in a variety of painting techniques and develop their own technique and style in oil.

902165 Art History—100% ONLINE

Prerequisite: Students must meet Scholar's Academy criteria on page 7

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

This online course provides students who participate in the Scholars Academy with a learning experience that offers flexibility. Online Courses do not meet face-to-face, but are built to allow students to take this course during any class period. This schedule will allow students flexibility in how they use their time and the resources which are available to them. Students will gain valuable experience learning in an environment in which they are responsible for managing their time and effort. These collegiate style courses will prepare students for college and career where these skills are invaluable.

Art History is for students who are interested in studying how historical and modern societies impact artists, as well as how the artists impact society. We will discover what art we appreciate and why, as well as figuring out why different individuals have different artistic preferences. We will create websites, write reflections, and create presentations in which we analyze specific artworks and determine why the artists made them. We will collaborate and view the

work of our peers through the use of Google Classroom to deepen our understanding of Art and its place in history. For more information on Online courses see page 7.

902104 Art of World Cultures to 1850

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 Semester

Credit: 1/2

Students will explore 8-10 cultures of the world before 1850. Then create a work of art inspired by that culture. The projects will focus on the use of mediums and the Elements and Principles of Design. There will be both book work and art work in this fun look at art from many cultures. The class will look at cultures and how the art relates to their lives and history. This class is designed for the students that need the fine art credit but do not want a traditional art studio class. There are two classes that can be taken to earn the fine arts credit.

902044 Art of World Cultures Modern Time

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 Semester

Credit: 1/2

Students will explore 8-10 cultures of the world from 1850 to the present. Then create a work of art inspired by that culture. The projects will focus on the use of mediums and the Elements and Principles of Design. There will be both book work and art work in this fun look at art from many cultures. The class will look at cultures and how the art relates to their lives and history. This class is designed for the students that need the fine art credit but do not want a traditional art studio class. There are two classes that can be taken to earn the fine arts credit.

902054 Ceramics

Prerequisite: Teacher Recommendation/Portfolio for ninth grade

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Ceramics is designed for students who have a strong interest and ability to work with clay to make vessels with the basic hand building methods of coil, slab and mold. Individual time will be given on the potter's wheel. Students also learn how to finish their pottery through glazing and firing.

902420 Ceramics II

Prerequisite: "C" or better in Ceramics

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

Ceramics II is for students that want to further explore 3-dimensional art. We will work on more complicated art problems. Students will explore deeper into medium possibilities. Students will learn more about different finishing processes and techniques. Students will look at and become more familiar with the world of 3-D art.

902064 Computer Art Painting

Prerequisite: Teacher Recommendation/Portfolio for ninth grade

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Computer Art Painting is a drawing and painting class that uses the computer as the medium. Students will use art software and hardware to create digital works of art that can then be printed out and displayed. Students will use Adobe® Photoshop® as an art medium to create their art work.

902014 Computer Illustration

Prerequisite: Teacher Recommendation/Portfolio for ninth grade

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Computer Illustration is a graphics class that focuses on drawing and design techniques using Adobe Illustrator. Learning how to be creative with shapes, lettering and illustrating images will be the main objective of this class. You will learn how to create professional looking designs, logos, cartoons and illustrations.

902194 Computer Imaging

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Computer imaging will introduce students to the exciting world of the digital fine arts and learning how to work with Photoshop. Students will use, manipulate and create images using Adobe Photoshop. Some of the projects will include designs, photo manipulations, computer painting, photo coloring and creating magazine covers.

902419 Computer Imaging II

Prerequisite: Any 2 courses: Computer Imaging, Computer Illustration, Computer Art Painting

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

Computer Imaging II will combine Adobe Photoshop and Illustrator skills. Creating unique computer art designs and illustrations will be the focus of this course. Students will have the opportunity to combine drawing, design and computer imaging skills in a variety of ways.

902519 Computer Imaging II 

Prerequisite: Any 2 courses: Computer Imaging, Computer Illustration, Computer Art Painting, 11th or 12th grade and students must meet Scholar's Academy criteria on page 7

Grade Placement: 11, 12 and students have to be in the Scholars Academy

Length of Course: 1 semester

Credit: 1/2

Computer Imaging II will combine Adobe Photoshop and Illustrator skills. Creating unique computer art designs and illustrations will be the focus of this course. Students will have the opportunity to combine drawing, design and computer imaging skills in a variety of ways. This is a hybrid course, which will only meet face-to-face 2 times a week. Students enrolling this course must be participating in the Scholars Academy. For more information on Hybrid and Online courses see page 7.

902004 Cultural Art

Prerequisite: None

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

This class is designed for Juniors and Seniors who have an interest in art. We will explore many aspects of different cultures, and tie in Global Citizenship Issues. Projects will include, musical instruments made with clay, games design (Mancala, Go, Mahjong, etc...), Costume design inspired by St. Louis native Nick Cave's Soundsuits, exploring different techniques in making marks - printing, batik, and staining.

902144 Digital Photography

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This studio art course is designed to introduce students to the basic elements of digital photography as a method of artistic self expression and a visual means of communication in today's society. Students will learn to

apply elements and principals of art to their works as well as technical skills of camera operations, pictorial composition, lighting, printing and display. Units of study may include but are not limited to photographic history and the genres of landscape, still life, portrait, documentaries and advertising.

902094 Drawing: Mixed Media

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course is designed for 10-12 grade students who like to draw and want to practice and improve their skills and techniques. Still life, portraiture, figure drawing, perspective, landscapes and value studies will be covered. A variety of drawing materials will be used and may include paper, pencil, ink, charcoal, string, wire, chalk, watercolor, brushes, as well as a variety of unconventional drawing media.

902163 Elements of Art: Mixed Media

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This class is designed for students who want to explore a variety of art making media. Students will study the principles and elements of design and use them to produce creative projects and will learn how to choose and modify ideas that creatively display their message. Class projects may include designing furniture, jewelry, eco-printing, stationery and logos, graphic portraits, contour line and geometric pattern designs, advertising posters and contest entries.

902114 Graphics

Prerequisite: Drawing and Design

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Students will produce a limited edition print, layout and graphic design for their portfolios. While printing processes do not involve the computer, students will problem solve and make the aesthetic judgements necessary in all methods of graphic productions.

902124 Painting: Mixed Media

Prerequisite: Elements and Principles of Art: Mixed Media
OR Drawing: Mixed Media

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

In this course, the necessary skills and techniques involved with painting are learned through a variety of media with emphasis on the use of acrylic. Students are also exposed to the use of tempera, watercolor, and adding materials to their paintings and paint. Students will learn to stretch their own canvas, paint on wood and other unconventional surfaces.

902204 Portfolio Development

Prerequisite: Advanced level art classes and the acceptance of teacher through portfolio review

Grade Placement: 11 & 12

Length of Course: 1 semester

Credit: 1/2

This is for students that have a desire to continue their education in an art related field. Students will develop a portfolio. The student's current portfolio will be evaluated and then the direction of study will be determined. The student will work on pieces of art that will create a strong portfolio. The class is an independent study class, which meets during another art class. The student will create three to six strong portfolio pieces during the semester.

902154 Sculpture

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Sculpture is for students who like to build and work with three-dimensional forms. It will introduce them to ideas and materials that can be used to construct both abstract and realistic pieces of work. Students will use paper, clay, wire, wood, plaster, cardboard, junk and other mediums to solve complicated art problems.

902034 Web Graphics

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

In Web Graphics students learn how to create original graphics for use on the World Wide Web. Students generate original artwork, applying their artistic ability and knowledge to the computer-based art discipline with computer hardware and software as their tools. (While learning how to upload, post and present their work on the Internet, students acquire marketable skills for immediate employment, college acceptance and personal growth.)

Career and Technical Education

Ritenour High School is proud to offer four Career & Technical Education (CTE) Programs: Business, Family & Consumer Sciences, Project Lead the Way and Media Convergence. Within these programs, students can choose pathways, based on their interests, strengths and abilities, in the areas of:

Business Education	Family and Consumer Sciences	Project Lead the Way (Science, Technology, Engineering & Math)	Media Convergence
Management and Administration	Culinary Arts	Biomedical Science	Print News
Web & Digital Communications	Education and Teaching	Computer Science	Radio
Entrepreneurship-AMPED/GIC	Fashion and Housing Design	Engineering	TV News
			Video Production
			Yearbook

CTE integrates academics and technical skill training to prepare students for success in a post-secondary education program or a high-wage, high-skill career. The CTE classroom experience builds critical thinking and communication skills valued by employers.

All CTE programs at RHS can culminate with a work-based learning experience.

903425 Work-Based Learning—Business

909425 Work-Based Learning—FACS

Prerequisite: Administrator and counselor approval

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2 to 1 1/2 depending on hours (Students may receive a letter-grade or take the course for pass/fail.)

The RHS WBL is a unique program that combines classroom instruction, cooperative paid or volunteer work experience, and possible participation in Career and Technical Student Organizations. The program is structured to include integral components to teach the core curriculum in the context of real life experiences, and to provide opportunity for students to grow both professionally and personally.

Business Education

Business Education classes help students become college and career ready and provide the money managing skills to handle their finances in the future. The business education department offers three career pathways: Management and Administration, Web & Digital Communications, and AMPED/GIC. The High School of Business (HSB) curriculum is a three year program beginning with sophomores; continuing with juniors and seniors in advanced weighted classes. HSB classes use project based learning to provide students with the skills needed for college and career success in the 21st century. The HSB courses promote the following habits of mind: decision making, critical thinking, innovative thinking, entrepreneurial thinking, literary skills, emotional intelligence, and understanding employment experience.

Management and Administration

Wealth Management/Personal Finance is a required course for graduation (1/2 credit).

Course Sequence		
Grade 9 (Optional)	Leadership	Leadership
Grade 10 (Year One)	Principles of Business	Business Economics
Grade 11 (Year Two)	Principles of Marketing	Principles of Finance
Grade 12 (Year Three)	Principles of Management	Business Strategies

903406 Leadership (HSB)

Prerequisite: None

Grade Placement: 9

Length of Course: 1 semester

Credit: 1/2

This project-based leadership course develops student understanding and skills in such areas as communication skills, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. The final project activity of the course is the implementation of a service-learning project. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

903402 Wealth Management/Personal Finance (HSB)

Prerequisite: None

Grade Placement: 10, 11, 12 (9th grade with administrator approval)

Length of Course: 1 semester

Credit: 1/2

Student will see how present and future individual financial choices directly influence occupational goals and future earnings potential. Real world topics covered will include careers and income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and

saving accounts, gain knowledge in finance, debt and credit management, evaluate and understand insurance and taxes in order to build wealth. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

903400 Wealth Management/Personal Finance (HSB)

Prerequisite: Students must meet Scholar's Academy criteria on page 7

Grade Placement: 10, 11, 12 (9th grade with administrator approval)

Length of Course: 1 semester

Credit: 1/2

Student will see how present and future individual financial choices directly influence occupational goals and future earnings potential. Real world topics covered will include careers and income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, evaluate and understand insurance and taxes in order to build wealth. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence. For more information on Hybrid and Online courses see page 7.

**903300 College Credit Health Management/
Personal Finance (HSB)—STLCC - FIN 100**

HYBRID/ONLINE

Prerequisite: Students must meet Scholar's Academy criteria on page 7

Grade Placement: 10, 11, 12 (9th grade with administrator approval)

Length of Course: 1 semester

Credit: 1/2

Student will see how present and future individual financial choices directly influence occupational goals and future earnings potential. Real world topics covered will include careers and income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, evaluate and understand insurance and taxes in order to build wealth. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence. Health Management/Personal Finance can be taken for dual credit through STLCC. The college credit received can be used as an elective if you pursue an associates degree at STLCC. Dual credit courses at Ritenour High School are honors courses with weighted credit.

For more information on Hybrid and Online courses see page 7.

903145 Principles of Business (HSB)

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This project-based business course develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of four projects, students acquire an understanding and appreciation of the business world. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

903303 Business Economics (HSB)

Prerequisite: Wealth Management/Personal Finance

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This project-based business course develops student understanding and skills in such areas as economics, entrepreneurship, operations, and professional development. Through the use of seven projects, students develop an understanding of economic decision-making in the business world as well as improving their knowledge of entrepreneurial contributions. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

903153 Principles of Marketing (HSB)

Prerequisite: Business Economics (HSB)

Grade Placement: 11,12

Length of Course: 1 semester

Credit: 1/2 (Honors)

This project-based business course develops student understanding and skills in such areas as channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Through the use of seven projects, students acquire an understanding and appreciation of marketing activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

903158 Principles of Finance (HSB)

Prerequisite: Principles of Marketing (HSB)

Grade Placement: 11,12

Length of Course: 1 semester

Credit: 1/2 (Honors)

Principles of Finance furthers student understanding of two specific business activities—accounting and finance—that were introduced in an earlier High School of Business course, Principles of Business. Through team activities and a semester-long corporate investment project, students make connections between accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data. In addition, students apply the concepts of operating and overhead costs, internal accounting controls, and budgets to their class business. Lastly, cost/benefit analysis is introduced as an element of financial planning and decision-making.

903167 Principles of Management (HSB)

Prerequisite: Principles of Finance (HSB)

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 (Honors)

Student will gain a better understanding of management that was introduced in Principles of Business. Through individual and team activities and a semester-long project, students make connections between management and business success. Students will also acquire an understanding of legal and ethical issues associated with management.

903168 Business Strategies (HSB)

Prerequisite: Principles of Management (HSB)

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 (Honors)

Business Strategies serves as the capstone course for the High School of Business program. Students utilize their previously developed decision matrices to finalize a business plan, incorporating an organizational plan, a management plan, a financial plan and a marketing plan for a non-profit organization. Students will also engage in risk assessment; strategic planning; target market selection; competitive and market analyses; human resources selection, training and assessment; and performance assessment of their business plan.

Business Education

Web & Digital Communications

The Web & Digital Communications pathway prepares students for careers relating to the design, development, support and management of web sites. According to the Department of Labor's Occupational Outlook Handbook, employment of web developers is projected to grow 20 percent from 2012 to 2022, faster than the average for all occupations. Demand is driven by the growing popularity of mobile devices and ecommerce.

903304 Technology Help Desk

Prerequisite: Approval from the teacher

Grade Placement: 10, 11, 12

Length of Course: 1 Semester

Credit: 1/2

This course is to provide students with the information and skills necessary to technically analyze hardware and software problems, effectively communicate with customers, and enhance 21st Century media skills. Students will assist students, staff and other stakeholders with Goggle Classroom applications such as: communicating and collaborating with peers and teachers in Google environments, file management, docs, slides, uploading files and sharing to help students be more productive and academically successful. A hybrid or blended learning environment will offer students learning units of study coupled with hands-on learning experiences in the Technology Help Desk Service Center. This course may be taken more than one time for credit.

903524 Web Page Design—What is HTML?

Prerequisite: Able to independently read and comprehend basic computer language

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This is the entry class into the Web and Digital Communications pathway. These days, everyone can benefit from an online presence, and that means developing a website. This course covers a basic introduction of how to create your own website page-by-page using HTML, a common website coding language.

Business Education

Entrepreneurship–AMPED/GIC

903000 AMPED - Algebra Manufacturing Processes Entrepreneurship & Design

Prerequisite: Successful completion of Math 8 or Algebra 8

Grade Placement: 9, 10

Length of Course: 1 year (2 class periods per day; paired with Algebra I)

Credit: 2 (1 credit Algebra I, 1 credit Business Entrepreneurship)

In AMPED, students will design innovative concepts and solutions to solve current and future problems using a number of computer aided drafting and design (CADD) software programs, produce, market and sell products including t-shirts, skateboards, and various group determined projects. Students learn Algebra I and business concept applications, interact with school and community partners and customers while tracking expenses and maximizing profits. All profits are donated to local charities of student choice. This course requires teamwork and the safe use of heat press equipment, power tools and hand tools.

905200 GIC—Geometry in Construction

Prerequisite: Successful completion of Algebra I

Grade Placement: 9, 10, 11, 12

Length of Course: 1 Year (2 class periods per day; paired with Geometry)

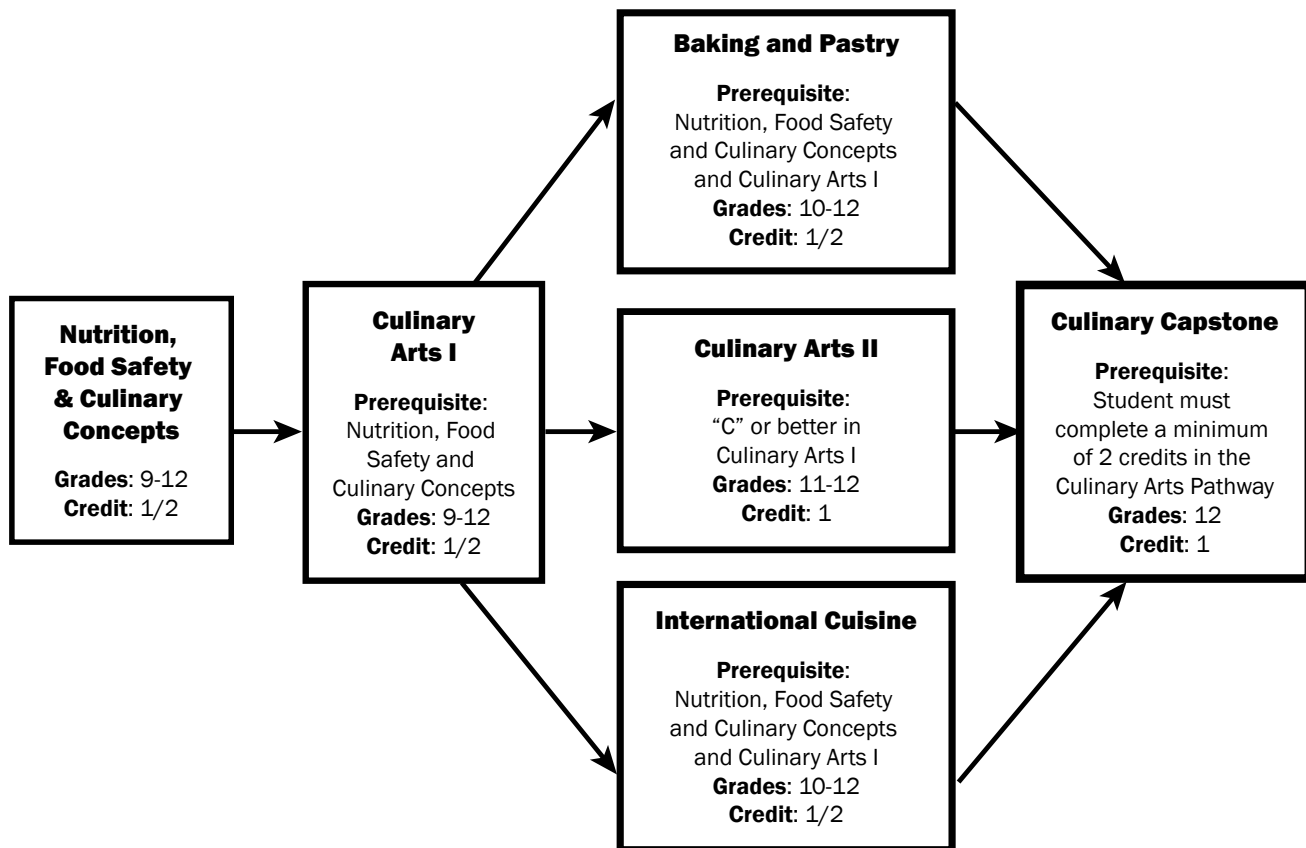
Credit: 2 (1 credit Geometry, 1 credit elective–Practical art)

GIC will provide students the opportunity to immediately apply what they are learning in the classroom to what they are doing in the workshop. This team taught class is organized to take student's geometry concepts, introduced on math days, and apply them directly to tangible projects shop days. Students learn shop safety, problem-solving, tool use, CAD drawing and CNC operation. Projects will include student created concepts and designs to those introduced by instructors and outside "clients". Projects, both individual and group, big and small, may include sheds, theater set pieces, props, furniture, classroom makeovers, homecoming floats, guitar bodies, and much more. This class is perfect for anyone interested in engineering, construction, architecture, sculpture, theater set building, interior design, carpentry, and general fabrication. This course requires the safe use of power tools and hand tools, and may require outdoor construction. This course covers all geometry learning standards required for graduation. No previous building experience needed.

Family and Consumer Sciences

The FACS department prepares students for careers within three pathways: Culinary Arts, Fashion and Housing Design and Education & Teaching. Culinary Arts courses prepare students for careers in the culinary arts and restaurant management industries. Fashion and Housing Design courses prepare students to enter the area of Housing, interior design, retail, merchandising, fashion and other design fields. The Education & Teaching pathway prepares students interested in teaching, early education, and prepares them for post high school education and careers relate to families and human needs.

Culinary Arts



909414 Nutrition, Food Safety & Culinary Concepts

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Nutrition, Food Safety & Culinary Concepts is the beginning course in the Culinary Arts Pathway. This class centers on food influences, nutrition, food safety, kitchen math, and culinary career opportunities. Students will study the six basic nutrients while applying dietary guidelines to meet nutritional needs. Laboratory experiences will allow students to apply nutritional knowledge with basic culinary skills. Students will be introduced to ServSafe (National Restaurant Association recognized program). This class is a prerequisite

for Culinary Arts I. Students must pass the Ritenour Safety and Sanitation Test and pass Nutrition, Food Safety & Culinary Concepts to be eligible for Culinary Arts 1.

909424 Culinary Arts I

Prerequisite: Nutrition and Food Safety & Culinary Concepts.

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Do you enjoy cooking? Culinary 1 introduces students to the principles and preparation skills of food. Units covered will include: quick and yeast breads, milk, eggs, etiquette, meal planning, fruits, and vegetables. Cooking techniques,

kitchen equipment, and knife skills will also be covered. This is a lab-based course; therefore, students will be required to sample a variety of foods. This is a prerequisite to Culinary 2, International Cuisine, and Baking and Pastry.

909501 Baking and Pastry

Prerequisite: Nutrition and Food Safety & Culinary Concepts and Culinary Arts I
Grade Placement: 10, 11, 12
Length of Course: 1 semester
Credit: 1/2

Baking and Pastry covers basic ingredients, techniques, weights and measures, and baking terminology. Topics include yeast/chemically leavened products, pastry dough batter, pies/tarts, meringue, custard, cakes, cake decorating, cookies, icings, glazes and basic dessert sauces. Upon completion, students should be able to prepare and evaluate a variety of bakery products.

909430 Culinary Arts 2

Prerequisite: "C" or better in Culinary Arts I
Grade Placement: 11, 12
Length of Course: 1 year
Credit: 1/2 per semester

Culinary Arts 2 challenges students to develop the skills needed to be successful in the culinary arts field.

Advanced techniques taught in the **Semester 1** are: professional kitchen basics advanced cooking methods, appetizers, meat preparation (pork, beef, fish, and poultry), garnishes, flavoring and seasoning, art of service, cost control, quantity food control, catering (food service).

Semester 2 includes: stocks, soup and sauces, salads, legumes, sandwiches, pasta, rice, banquets and catering. Students will learn how to meet industry standards when using standardized recipes, plan nutritious menus, and apply cooking methods and technology that meet the professional industry setting. They will learn, practice and implement interpersonal skills, professional communication, problem solving and teamwork throughout the course.

909444 International Cuisine

Prerequisite: Nutrition and Food Safety & Culinary Concepts and Culinary Arts I
Grade Placement: 10, 11, 12
Length of Course: 1 semester
Credit: 1/2

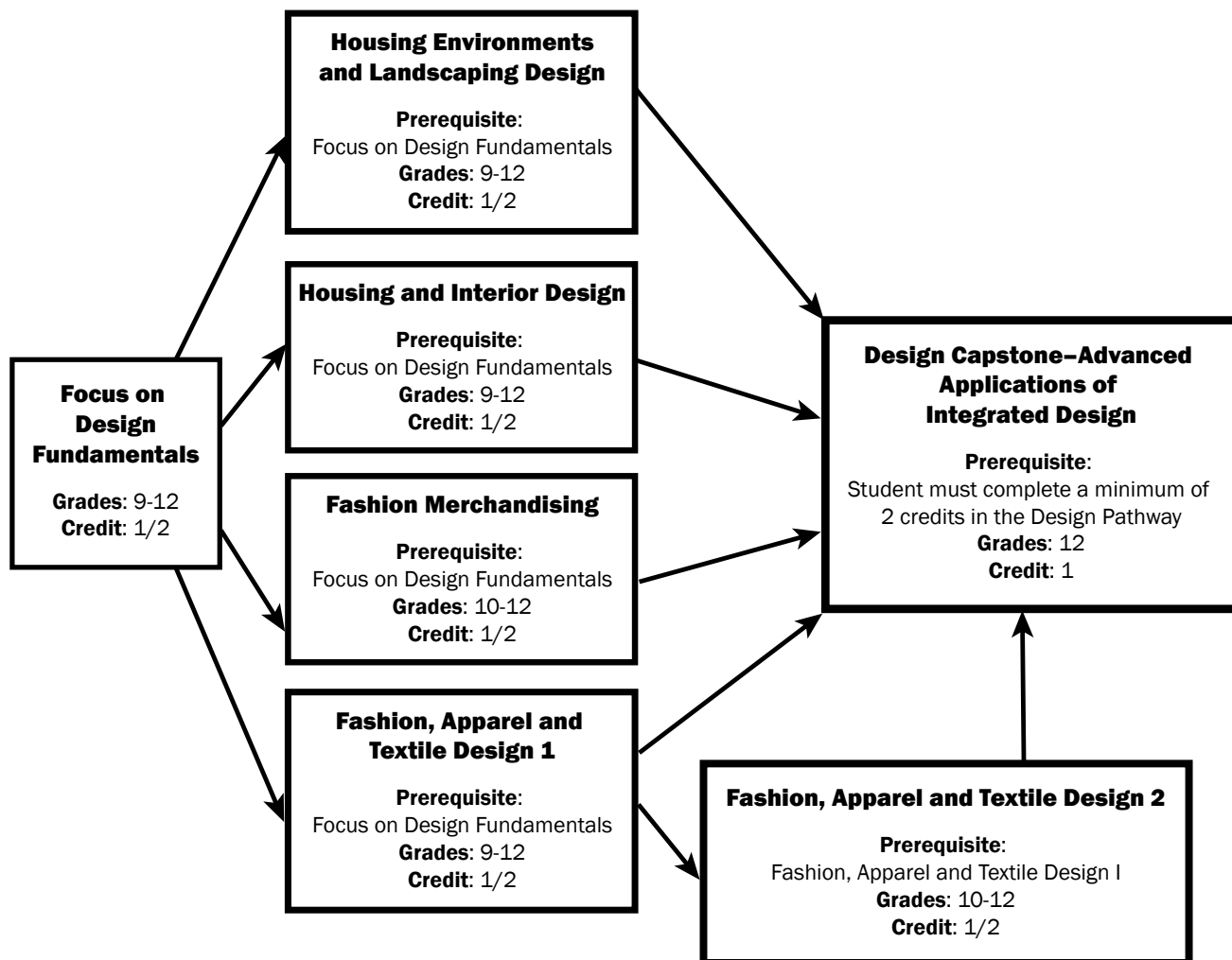
International Cuisine students learn about the cultural heritage, local foods, and food preparation techniques that are native to the different regions of the world. As students prepare the cuisine of these regions, they will explore the food customs of its people, local history, and geography. Students will have the opportunity to sample multi-cultural cuisine from around the world, and experience creative cooking at its best.

909462 Culinary Arts Capstone

Prerequisite: Student must complete a minimum of 2 credits in the Culinary Arts Pathway.
Grade Placement: 12
Length of Course: 1 year
Credit: 1/2 per semester

The Culinary Arts Capstone allows students to plan and cater real-world culinary events, learn new techniques, and visit a variety of food businesses. Students utilize content knowledge and acquired 21st century skills from their pathway coursework in a real-world internship experience. Students will also prepare for an industry recognized credential and the National ServSafe Certification test.

Design



909514 Focus on Design Fundamentals

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course will focus on the principles and elements of design as they relate to Fashion and Interior Design. You will explore and practice beginning sketching techniques, textile selection and explore careers related to design.

909126 Housing Environments and Landscaping Design

Prerequisite: Focus on Design Fundamentals

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Are you interested in the development, planning and construction of a home? Students will research, evaluate,

and design homes and their landscapes, while evaluating and selecting materials and systems that are sustainable. This course will provide students with an understanding of the construction of a home. Students will apply the principles of design to create landscapes for building environments. Students will also gain experience in the use of 3-D image-editing and CAD software to create 2D and 3D renderings of housing and landscape designs. Projects will include model building using recyclable and other materials.

909534 Housing and Interior Design

Prerequisite: Focus on Design Fundamentals

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Do you enjoy designing and creating home interiors? Students will explore and use scaled floor plans and elevations to select furnishings, textiles, accessories

and other interior components. This course will apply the principles and elements of design to plan and develop safe, functional living spaces. Students will use 3-D image-editing and CAD software to create 2D and 3D renderings of color, space and furnishings for interior rooms. Students will compare and contrast past and current design trends as well as analyze future design trends in architecture, interiors, and furnishings. Projects will include sketching, rendering scaled floor plans, and model building of interiors as well as textile, accessory selection, and sampling.

909116 Fashion, Apparel and Textile Design I

Prerequisite: Focus on Design Fundamentals

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Students will be introduced to the dynamics of the fashion industry. Topics of study include: influences on clothing, the design process, designers, sketching, illustration, trends, markets, apparel construction & production. Projects related to fashion design are in each unit.

909118 Fashion, Apparel and Textile Design 2

Prerequisite: Fashion, Apparel and Textile Design I

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Students will build on prior techniques and address the basic elements of fashion design in the industry. Topics include the fashion design processes of trend investigation, consumer research, storyboarding, color story, textile development, fabric identification, design innovation, sketching creative ideas, costume design and creation and addressing current topics.

909120 Fashion Merchandising

Prerequisite: Focus on Design Fundamentals

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Are you interested in the retail side of design? Students will follow the process of 'concept to consumer.' This includes designing, advertising, marketing, merchandising, retailing and special promotions. Students interested in fashion, housing and interior design, theatre and studio art should take this class. This is a project based class.

909561 Design Capstone—Advanced Applications of Integrated Design

Prerequisite: Student must complete a minimum of 2 credits in the Design Pathway.

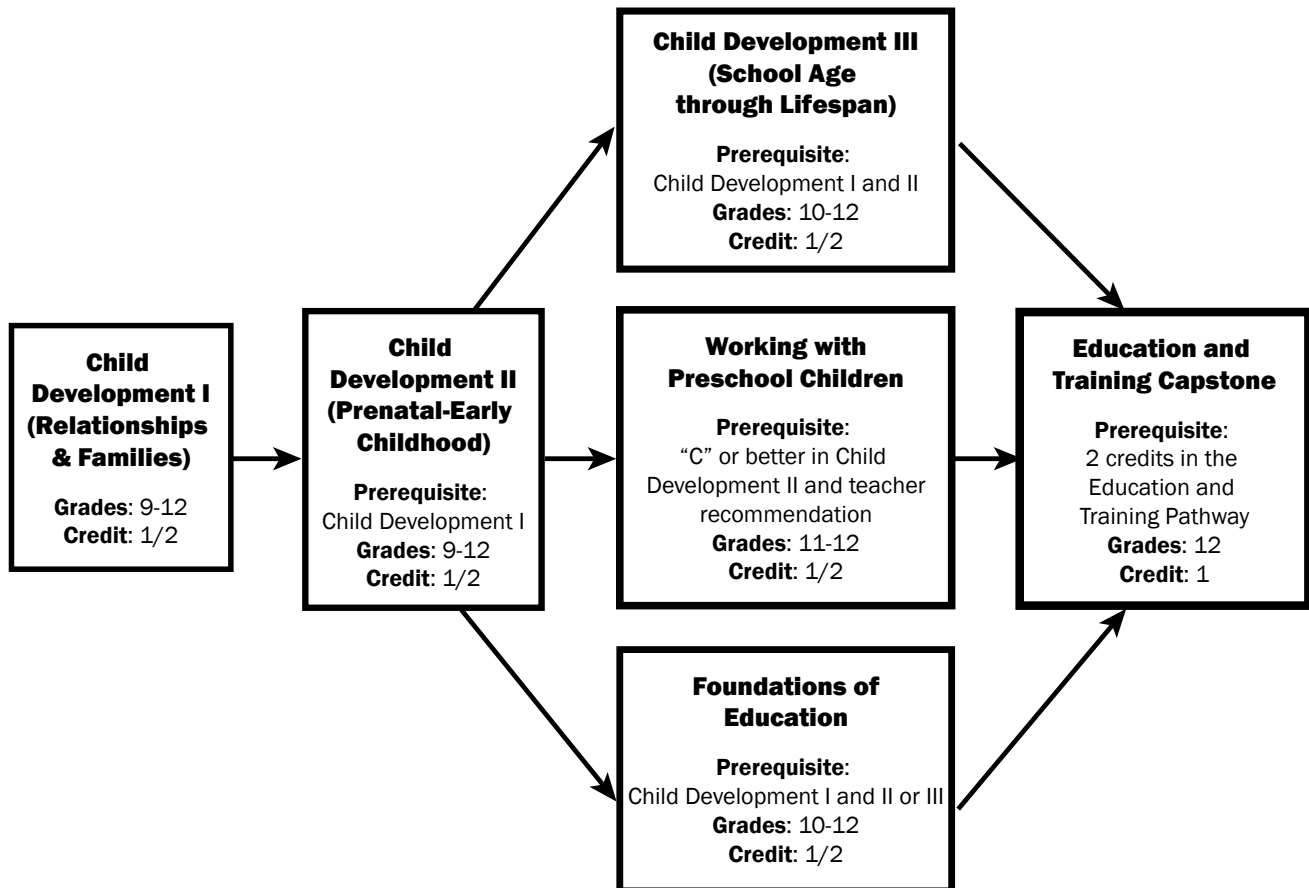
Grade Placement: 12

Length of Course: 1 year

Credit: 1/2 per semester

The capstone course allows students to use the design process to creatively problem-solve, build concepts, and create products. Students will visualize and render ideas, from research and concept development to the creation of final illustrations, promotions, and prototypes. This is where creativity gets down to business. Students will also continue portfolio and resume development. Students utilize content knowledge and acquired 21st century skills from their pathway coursework in a real-world project challenge.

Education and Training



909311 Child Development I (Relationships & Families)

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Child Development 1 is the beginning course in the Education and Teaching Pathway. This class focuses on building strong relationships and families. Students will study interpersonal, problem solving, conflict resolution, and communication skills. Students will apply these skills in order to become effective caregivers. It is important to know how to be an effective caregiver in all aspects of life whether it is at home, at your workplace, or in the community. Becoming a parent is a huge decision. We will examine the many responsibilities it takes to be a parent and how to effectively guide children.

909312 Child Development II (Prenatal-Early Childhood)

Prerequisite: Child Development I

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Students have the opportunity to explore the facts, issues, and development involved in being a parent or child care provider. Students will gain a better understanding of children as individuals and their behavior as it relates to their environment. Topics include: child development theories, parenting roles, health concerns, safety, guidance, and areas of development (physical, social, emotional, and intellectual). This course is designed to increase understanding of the basic concepts of prenatal and early child development. This course is the foundation for planning appropriate activities for children and establishing appropriate expectations of young children.

909401 Child Development III (School Age through Lifespan)

Prerequisite: Child Development I and II

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Child Development 3 introduces students to the central issues in the basic areas in human development. The students will learn about development between biological, cognitive, social, and cultural aspects of development across the lifespan. Topics that will be covered include: characteristics of developmental stages, managing life's transitions, and explore careers. Child Development is studied in the context of family, school, community, and society. Multicultural and intercultural variations in development are examined.

909324 Working with Preschool Children

Prerequisite: "C" or better in Child Development II and teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

Students will focus on skills and strategies for the early childhood teacher with emphasis on working with preschool children while building an educational portfolio. Students will experience and evaluate the process of creative art projects and learn effective storytelling techniques. Students will learn the requirements of a licensed group child care setting, design a model of a child care facility, develop activities, observe and work with children under the supervision of a child care professional. Students will learn to create lesson plans, teach, and work in the RHS child care center. Working with Preschool Children will help students to prepare for jobs such as preschool provider, nursery school aide, preschool educator, and early childhood/elementary educator. Students may earn 15 hours of mentoring/tutoring for the A+ program.

909334 Foundations of Education

Prerequisite: Child Development I and II or III

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Thinking about becoming a teacher? This is the course for you. In this course, you will receive a general introduction to the area of education and teaching. Course topics include: learning styles, teaching methodologies, assessments, cultural responsiveness and focus on data-driven decision making in the schooling system. Students will prepare and present several lesson plans.

909341 Education and Training Capstone

Prerequisite: 2 credits in the Education and Teaching Pathway

Grade Placement: 12

Length of Course: 1 year

Credit: 1/2 per semester

New Description:

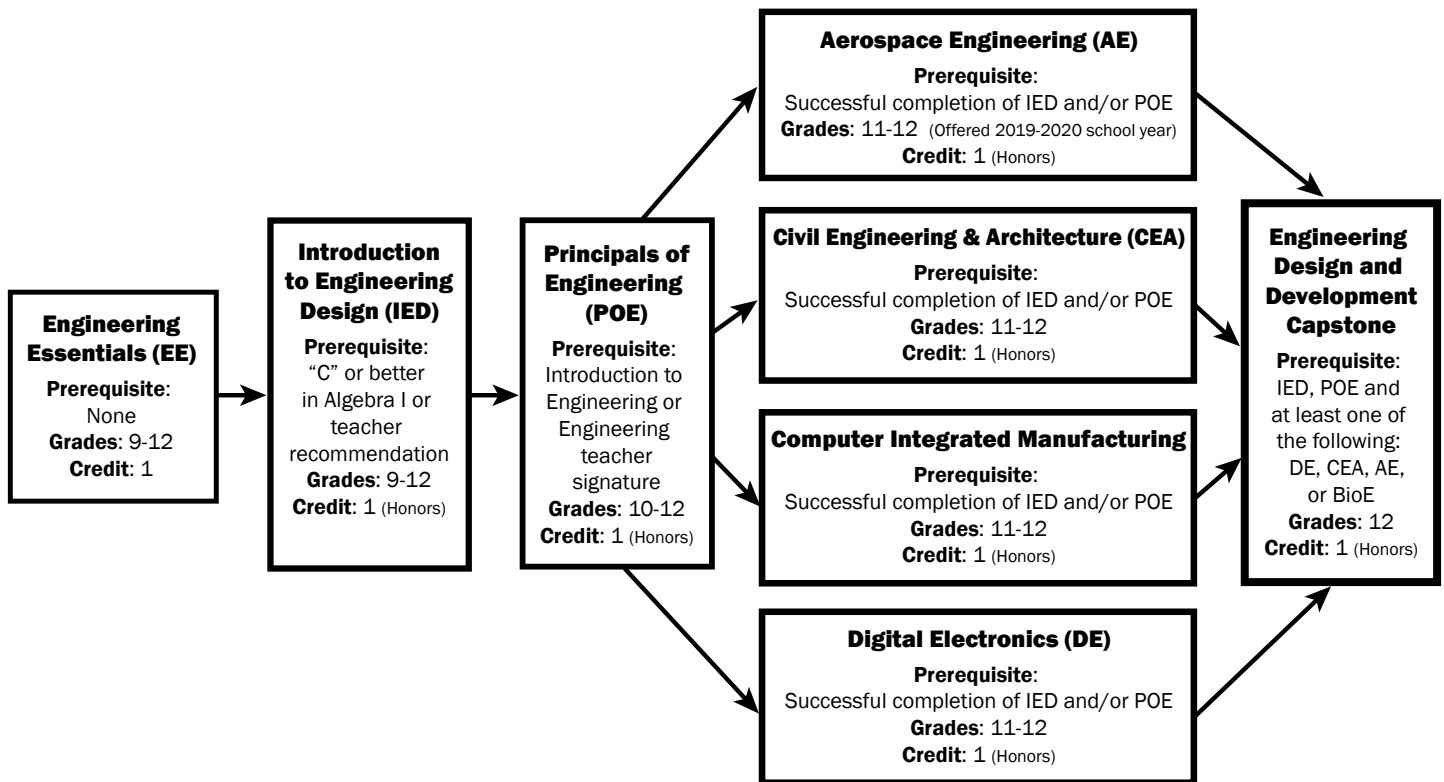
This senior capstone course provides an opportunity for students to work with certified teachers to gain real world experiences in early childhood educational settings in the Ritenour School District. Activities include planning lessons, teaching lessons, preparing bulletin boards, and other activities. Students can earn mentoring/tutoring hours for the A+ program and will prepare to earn an industry recognized credential.

Project Lead the Way

Science, Technology, Engineering and Mathematics

Project Lead the Way is an advanced, college credit program offered for those students who are interested in careers that involve problem-solving and critical thinking skills. This may include careers in the STEM pathway, but the skills acquired through the Project Lead the Way courses will help prepare students for any career path they may choose. The Ritenour High School PLTW program is a four-year sequence of courses, which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor and discipline of careers that require a four-year college degree prior to entering college. However, those not intending to pursue further formal education will benefit greatly from the knowledge and logical thought processes that result from taking some or all of the courses provided in the curriculum. **Some Project Lead the Way courses are honors level courses that provide the opportunity to earn three college-credit hours per course successfully completed.**

Engineering



903765 Engineering Essentials (EE)

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Have you ever thought about becoming an Engineer?

Want to explore all the ways Engineers impact the world?

Engineering Essentials offers students of all backgrounds

the opportunity to experience this important field. This course will focus on exploring global engineering challenges and sustainability goals, as well as personal, societal, environmental, and economic impacts of engineering solutions. Examples of topics covered in the course include disaster relief and recovery, worker health and well-being, modern medical devices and procedures, and sustainable cities and communities.

903711 Introduction to Engineering Design (IED)

Prerequisite: “C” or better in Algebra I or Teacher Recommendation.

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Are you creative, inventive, imaginative? Do you have an eye for design? Introduction to Engineering Design is a hands-on, technology-rich course where students work through a typical design process to brainstorm, sketch, and build products for the world marketplace. After students sketch their ideas on paper, they will actually “build” their product using a 3-D computer software program! Although this course is fun, exciting, hands-on, etc...this is an honors course with weighted credit that is offered for articulated credit with St. Louis Community College. Therefore, students and parents should be advised that is extremely challenging and very fast-paced. You won’t get bored in this class!

903721 Principles of Engineering (POE)

Prerequisite: Introduction to Engineering Design or Engineering Teacher Signature.

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

This course builds on the skills students learn in Introduction to Engineering Design, but takes it one step further; in addition to building with the 3-D modeling software, students will also be able to manufacture their designs and create working prototypes. Students will be using common household tools and materials, in addition to VEX robotics components, to create their design. Some of the exciting projects this course will cover will include: a projectile launcher, a mini-bridge, and a working robot! As a reminder to students and parents, this is an honors course with weighted credit that is challenging and fast paced. Students can take the course for articulated credit with St. Louis Community College. Students who earn a B or better and score a 6 on the end of course PLTW exam in both Introduction to Engineering Design and Principles of Engineering are eligible to pay \$200 to receive credit from Missouri S&T for MECH ENG 1720, a freshman class required of all Missouri S&T engineering majors.

903751 Aerospace Engineering (AE)

Prerequisite: Successful completion of IED and/or POE

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Do you enjoy making paper airplanes? Have you ever wondered what it would be like to fly a plane? Are you interested in outer space? If so, Aerospace Engineering might be for you. Students learn the physics of flight by designing and building airfoils, gliders, and rockets. They

also use a flight simulator to learn about flight planning and navigation, use industry-standard software to learn basic orbital mechanics, and explore robot systems through projects such as remotely operated vehicles. This course is an honors course that is dual credit with St. Louis Community College where students can earn three hours college credit.

903741 Civil Engineering & Architecture (CEA)

Prerequisite: Successful completion of IED and/or POE

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

This course introduces students to the interdependent fields of civil engineering and architecture; students learn project planning, site planning, and building design. Students will actually get to design their very own building and use a 3-D modeling computer program to see their design in action. Through this computer program, students can take a virtual tour through their building and actually walk through every room! This course is an honors course that is dual credit with St. Louis Community College where students can earn three hours college credit.

910210 Computer Integrated Manufacturing

Prerequisite: Successful completion of IED and/or POE

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Manufactured items are part of everyday life, yet most people have not been introduced to the high-tech, innovative nature of modern manufacturing. Students learn about the manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

903731 Digital Electronics (DE)

Offered 2020-2021 school year

Prerequisite: Successful completion of IED and/or POE

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

From smartphones to appliances, digital circuits are all around us. In the Digital Electronics course, students design, program, and build digital circuits. Students study topics such as soldering, number systems, and combinational and sequential logic. They are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. This course is an honors course that is dual credit with St. Louis Community College where students can earn three hours college credit.

903761 Capstone Course: Engineering Design and Development

Prerequisite: IED, POE and at least one of the following:

DE, CEA, AE, or BioE

Grade Placement: 12

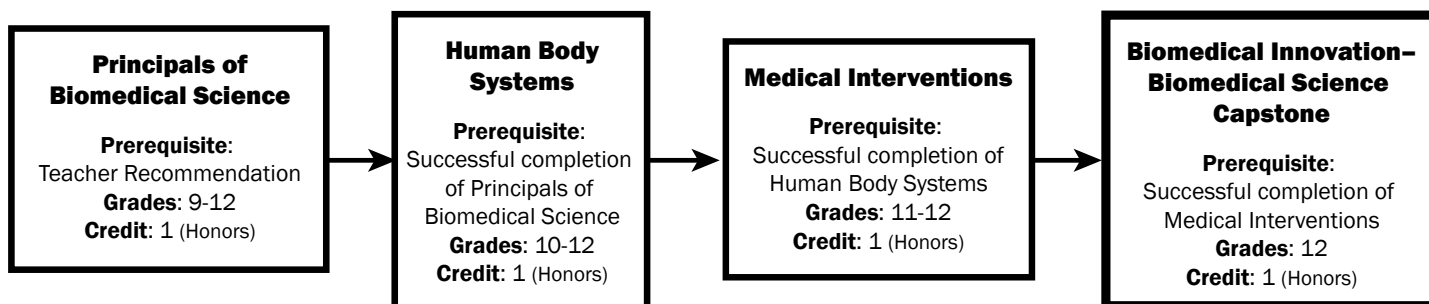
Length of Course: 1 year

Credit: 1/2 per semester (Honors)

This is the senior capstone course for Project Lead the Way. Students will work in design teams to research, design, and develop a product for consumer use. Imagine being able to design a product that might actually be the next million-dollar idea! This course is a research course that requires students to formulate the solution to an open-ended engineering question. With a community mentor and skills gained in their previous courses, students create written reports on their applications, defend the reports, and submit them to a panel of outside reviewers at the end of the school year. This course is an honors course that is dual credit with St. Louis Community College where students can earn three hours college credit.

Biomedical Science

Two Biomedical Courses + Biology Satisfy Science Graduation Requirements



907412 Principles of Biomedical Science

Prerequisite: Teacher Recommendation.

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Anna Garcia is dead. How did she die? Was she murdered or did she die of natural causes? Students in Principles of Biomedical Science (PBS) spend the year solving this mystery while being introduced to human physiology, basic biology, medicine, and research. Students examine autopsy reports, investigate medical history, explore medical treatments, and study DNA, fingerprinting, electrophoresis, and the physics of blood-spatter patterns. This course is an honors course that is offered for dual credit with Missouri University of Science and Technology where students can earn three hours college credit. PBS is the entry course in the RHS Project Lead the Way Biomedical Sciences Pathway. Counts as Science credit.

907415 Human Body Systems

Prerequisite: Successful completion of Principles of Biomedical Science.

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Would you like to know more about the mysteries of the human body? If so, Human Body Systems (HBS) is the class for you! Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students build organs and tissues on a skeletal Maniken®, use software to monitor body functions, and act as biomedical professionals to solve real-world medical cases. This course is an honors course that is offered for dual credit with Missouri University of Science and Technology where students can earn three hours college credit. HBS is the second course in the RHS Project Lead the Way Biomedical Sciences Pathway. This course counts as Science credit and also satisfies Health credit requirement for graduation.

907423 Medical Interventions

Prerequisite: Successful completion of Human Body Systems

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Students in the Medical Interventions (MI) course will learn how to prevent, diagnose, and treat disease in order to help the Smith family, who is dealing with a variety of health problems. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is an honors course that is offered for dual credit with Missouri University of Science and Technology where students can earn three hours college credit. MI is the third course in the RHS Project Lead the Way Biomedical Sciences. Counts as Science credit.

907414 Biomedical Innovation – Biomedical Science Capstone Course

Prerequisite: Successful completion of Medical Interventions

Grade Placement: 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

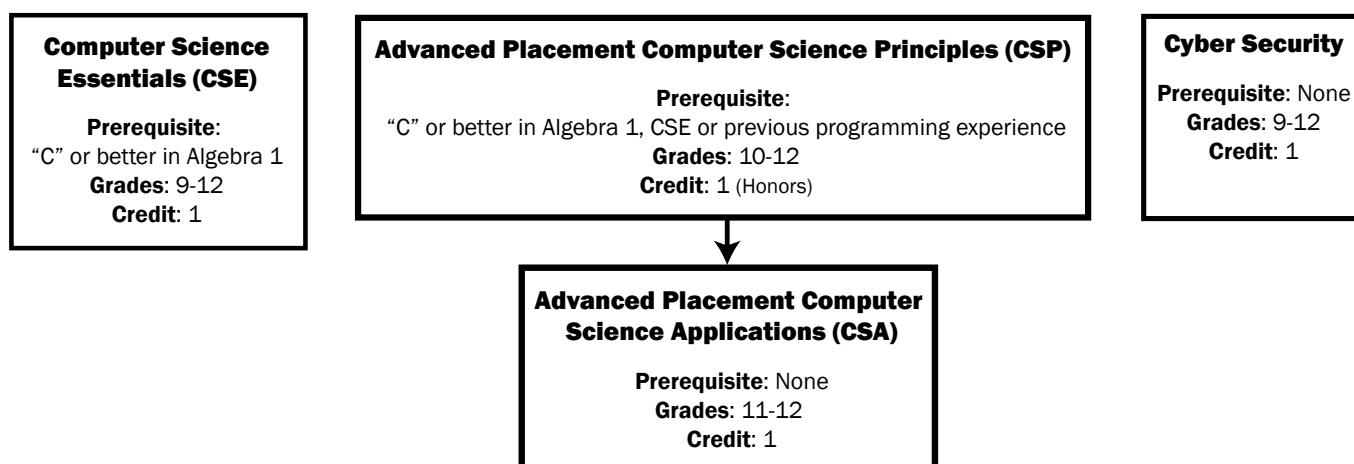
Imagine designing a health care-related product that could save lives! In the final course of the PLTW Biomedical Science sequence, students have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution to design a solution to a 21st century health problem. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. This course is an honors course that is offered for dual credit with Missouri University of Science and Technology where students can earn three hours college credit. Counts as Science credit.

Project Lead the Way

Computer Science

Every company wants a website, social media page, or online shopping portal to reach customers. To cater to these growing needs, people with the skills and expertise are in exceptional demand. Of all the STEM job openings in the US for the foreseeable future, nearly three out of four new job openings and three out of five total job openings are going to be in computing and related professions. PLTW Computer Science empowers students in grades 9-12 to become creators, instead of merely consumers, of the technology all around them.

Whether building apps to meet client needs or exploring cyber security, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.



903705 Computer Science Essentials (CSE)

Prerequisite: “C” or better in Algebra 1

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

CSE is designed to be the first computer science course for students who have never programmed before. Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills will building confidence that prepares them to advance to Computer Science Principles and Computer Science Applications.

903704 Advanced Placement Computer Science Principles (CSP)

Prerequisite: “C” or better in Algebra 1, CSE or previous programming experience

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

CSP implements the College Board’s 2013 CS Principles framework. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student’s first course in computer science, although we encourage students without prior computing experience to start with Introduction to Computer Science. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include

app development, visualization of data, cybersecurity, robotics, and simulation. The course aligns with CSTA 3B standards.

910101 Advanced Placement Computer Science Applications (CSA)

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

CSA focuses on integrating technologies across multiple platforms and networks, including the Internet. Students collaborate to produce programs that integrate mobile devices and leverage those devices for distributed collection and data processing. Students analyze, adapt, and improve each other's programs while working primarily in Java™ and other industry-standard tools. This course prepares students for the College Board's Advanced Placement CS-A test and aligns with CSTA Level 3C Standards.

910200 Cyber Security

Prerequisite: None

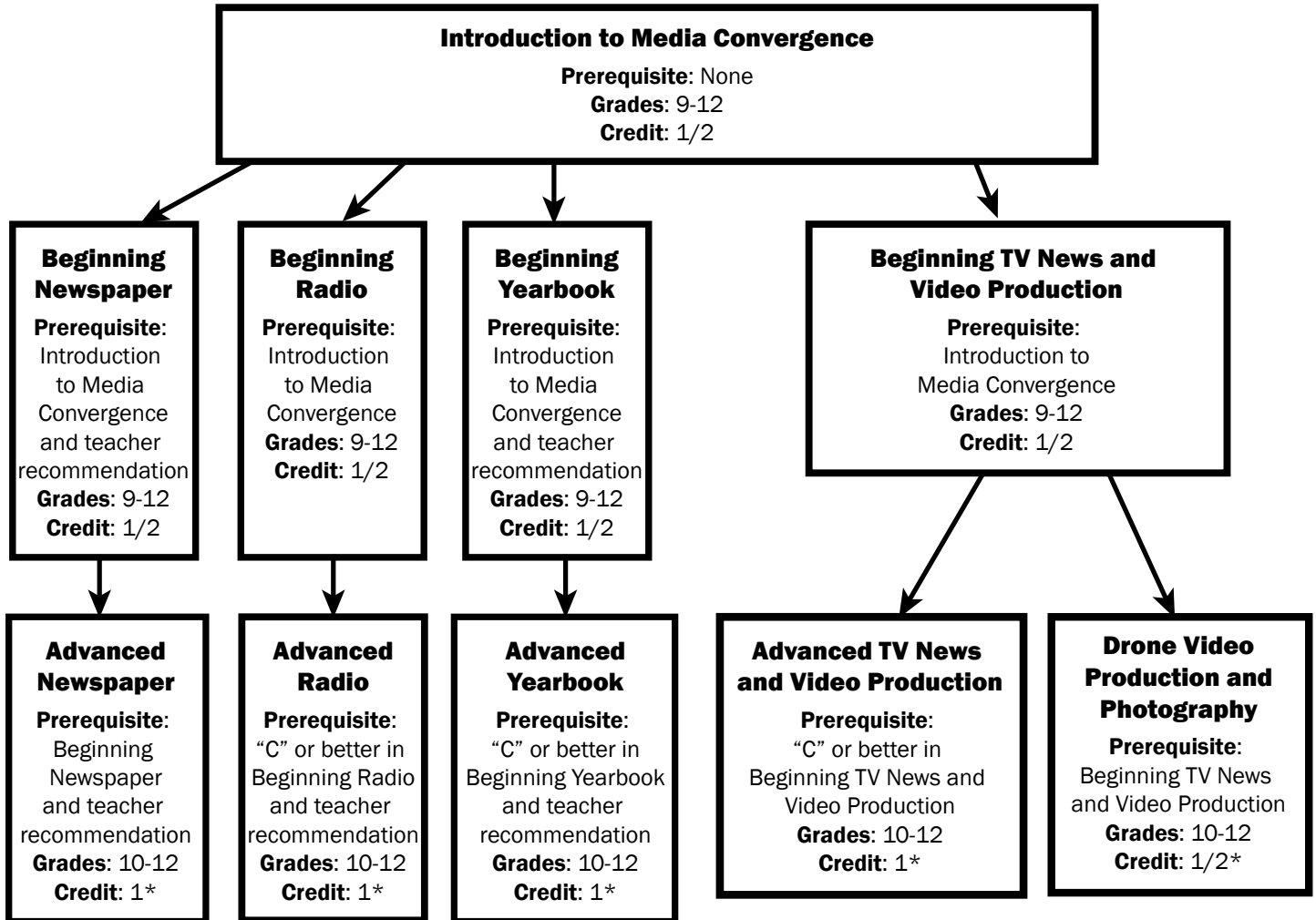
Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

This class introduces students to the tools and concepts of cyber security and encourages them to create solutions that allow people to share resources while protecting privacy.

Media Convergence



*Course can be repeated

905201 Introduction to Media Convergence

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Introduction to Media Convergence is an exploration into all aspects of media - both creation and consumption. Students will learn about all forms of media communications – newspaper, radio, film, video, social networking, and various new media. This hands-on class will develop students to better navigate the reach of media in our lives and our rights and responsibilities as creators and consumers in a 21st century world. This class will be a requirement for RADIO, NEWSPAPER, YEARBOOK, TV NEWS, or VIDEO PRODUCTION.

905831 Beginning Newspaper

Prerequisite: Introduction to Media Convergence and teacher recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

“Extra, extra, read all about it.” Beginning Newspaper is a course designed to give students an entry into print publication production techniques. The class will focus on features/magazine, sports, and op/ed writing, as well as photojournalism, layout and design basics. Students will be expected to regularly contribute content to both the print and online versions of The Pepper Box.

905845 Advanced Newspaper

Prerequisite: Beginning Newspaper and teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year (Course can be repeated)

Credit: 1/2 per semester

How many other classes give you the opportunity to share your work with the school and local community? Advanced Newspaper is a course for full-time reporters for The Pepper Box. Students will rotate throughout the school between producing content for the print and online version of The Pepper Box. Students in Advanced Newspaper will also be groomed for editing positions with leadership training, and advanced training in editing, design, business and photography.

905921 Beginning Radio

Prerequisite: Intro to Media Convergence

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

"You are tuned into KRHS 90.1 FM radio, Ritenour High School's own radio station." The Beginning Radio class is an introduction to radio production. Students will learn the rights and responsibilities of radio stations and learn hands-on how to run a student run radio station. In this class, you will explore the media of digital sound for both live and web based radio. Students will learn all theories of production, career explorations, and rules governing broadcast journalism.

905925 Advanced Radio

Prerequisite: "C" or better in Beginning Radio and teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year (Course can be repeated)

Credit: 1/2 per semester

How many students can write on their college application that "I'm a DJ for a high school radio station?" The Advanced Radio class is a further look at radio production with students demonstrating an independent level of running a student run radio station. In this class, you will maintain the media of digital sound for both live and web based radio and produce programming for our school station, KRHS 90.1 FM.

905811 Beginning TV News and Video Production

Prerequisite: Intro to Media Convergence

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This class introduces students to live television studio production techniques and explores the video and film production art form. We look at the art of video

storytelling. Students will also learn the process of filmmaking through hands-on activities. Emphasis will be on the impact of film on society.

905528 Advanced TV News and Video Production

Prerequisite: "C" or better in Beginning TV News and Video Production and teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year (Course can be repeated)

Credit: 1/2 per semester

Advanced TV News is a further look at TV News production with students choosing a focus on a type of broadcasting production. This class further develops student's development of live television studio production techniques. This class will also focus on the different genres of video production and further develop skills in the process of producing films. Students will be expected to independently produce several films in a semester. We will plan and produce weekly news programs and monthly programs for redistribution and work collaboratively with the newspaper classes. Students will need to be available for before and after school production for sporting events, news reporting on site, and to reach deadlines. Students will have a high level of independence in this classroom environment.

903545 Drone Video Production and Photography

Prerequisite: Beginning TV News and Video Production

Grade Placement: 10, 11, 12

Length of Course: 1 semester (Course can be repeated)

Credit: 1/2

Come fly with us! Students will learn concepts in aerial drone photography and video production in order to be licensed as a commercial UAV pilot. All students will learn the FAA rules and regulations including basic flight controls in order to prepare for the FAA Part 107 test.

905703 Beginning Yearbook

Prerequisite: Intro to Media Convergence and teacher recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Do you want to be a part of something that your classmates will cherish for their entire lives? Beginning Yearbook is a course designed to continue the journalistic education started in Intro to Media Convergence, as well as give students an introduction to photojournalism, layout and design basics specific to yearbooks. In between the new information that students will learn in this class, they are expected to continually contribute to the Ritenour yearbook, *The Melaureus*.

905725 Advanced Yearbook

Prerequisite: "C" or better in Beginning Yearbook and teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year (Course can be repeated)

Credit: 1/2 per semester

Advanced Yearbook is a course for students who have learned basic print and photo journalistic foundations in Intro to Convergence Media and Beginning Yearbook, and are ready to contribute as full-time staff members to The Melaureus. Students in Advanced Yearbook will also be groomed for editing positions with leadership training, and advanced training in editing, design, business and photography.

Theatre

All courses taken in the Theatre pathway can be considered elective or fine art credit.
Theatre courses may not be considered English credit.

905144 Advanced Theatre Arts

Prerequisite: Theatre Arts II and teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course covers advanced elements of theatre and continues the span of instruction of Theatre Arts I and II. Directing, auditioning, playwriting, and children's theatre are studied in the third level curriculum.

903650 Page to Stage

Prerequisite: "B" or better in English Language Arts III or teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 semester (2 class periods per day; paired with Creative Writing)

Credit: 1/2 English; 1/2 Theatre Arts

Page to Stage is a course designed to give students the rare opportunity to see their writing develop from the written word to a live performance. ELA and Drama teachers will engage students using a team teaching approach and guide them through the process of writing plays, poems, and prose which will undergo several transformations based on feedback from student performances. Student authors will gain a greater understanding of the importance of revision when they are able to see their writing come to fruition on stage, and student actors will benefit from the chance to create and develop original characters in conjunction with the author. This opportunity to see the relationship between a writer's words and an actor's interpretation will only serve to strengthen the writing process and dramatization of their work. All students will be expected to perform and participate in acting activities, scenes, and performances as well as all writing activities.

905654 Technical Theatre I

Prerequisite: none

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course introduces the basics of set construction and engineering principles for stage/set design. This is a very hands-on course that requires working with tools, power tools, climbing ladders, painting, and basic stage/area upkeep and cleanliness. Design and production concepts and techniques will be studied in scenery, property, and

make-up. Students will learn to safely apply technical knowledge and skills to create and/or operate functional scenery.

905645 Technical Theatre II

Prerequisite: Technical Theatre I

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course offers advanced instruction in stage equipment, stage/tool safety procedures. It also emphasizes the design of sound and stage lighting and equipment. This is a very hands-on course that requires working with tools, power tools, climbing ladders, painting, and basic stage/area upkeep and cleanliness. Students will be required to design sound and lighting for upcoming theatre productions.

905264 Theatre Arts I

Prerequisite: none

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course stresses the expressive use of body and voice, along with aesthetic growth through appreciation of theatrical events. The course of study includes basic actor training, stage movement, and voice and diction. All students will be expected to perform and participate in acting activities, scenes, and performances.

905265 Theatre Arts II

Prerequisite: "B" or better in Theatre Arts I

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester


Credit: 1/2

This course involves more advanced study of character development, script analysis, and performance techniques. Students will also be introduced to directing concepts and procedures and auditioning techniques. Students will participate in plays and monologues in front of a live audience.

English Language Arts

English Language Arts Graduation Requirement (4 Credits)

Goal: Ritenour High School students earn at least one Language Arts credit each year.

Hybrid/Online Course —These courses provide students who participate in the Scholars Academy with a learning experience that offers flexibility. Hybrid Courses meet face-to-face 1 or 2 days a week. The other days of the week the class meets digitally. This schedule will allow students flexibility in how they use their time and the resources which are available to them. Students will gain valuable experience learning in an environment in which they are responsible for managing their time and effort. These collegiate style courses will prepare students for college and career where these skills are invaluable.

Hybrid Online Course Offerings include: Creative Writing, AP Lit and Comp, Computer Imaging II, Personal Finance, College Comp I, College Comp II

Students must meet Scholars Academy Criteria for these options: 3.0 GPA, 90% minimum attendance and no discipline concerns.

905594 Introduction to Communications

Prerequisite: None

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2

Introduction to Communications studies the fundamental principles of oral and written communication. Students practice listening, interpersonal and intrapersonal communications, group problem solving, public speaking, organizational, and basic researching skills as well as examining the role of ethics in communications.

905213 Debate

Prerequisite: None

Grade Placement: 12

Length of Course: 1 semester (Course can not be repeated)

Credit: 1/2

Debate applies reading, writing, speaking, and listening skills to different styles of argumentation. Students consider questions of opinion, policy, and ethical decision-making using both their own experience and applied research. Class members learn both extemporaneous and prepared styles of debate, completing extended and short writings to complete in-class performances.

905105 College Credit Oral Communication I— (STLCC - COM 101 and MOTR COMM 100)



Prerequisite: Prerequisite: C or better in English III, minimum 2.5 GPA and teacher approval

Grade Placement: 12

Length of Course: 1 semester

Credit: ½ HS credit, 3 college credits (Honors)

Oral Communication is the basic college course in speech communication. It offers students an opportunity to explore effective one-to-one, small group, and large group oral communication processes. Emphasis is placed on a

theoretical/conceptual approach as well as skill development and application or oral communication concepts to various communication settings and relationships. Oral Communication is a basic requirement for most degree programs. This is a weighted course, and will earn 3 college credit hours if paid for through STLCC.

905424 Contemporary Fiction

Prerequisite: English Language Arts III

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 English

Contemporary Fiction is reading, analyzing, and discussing novels and short stories from best selling authors in book club format. This course also includes formal (analysis) and informal (response) writing. Students will read independently and write for a variety of purposes and audiences.

905734 College Composition I

Prerequisite: “C” or better in Advanced Placement (AP)

English Language Arts III or English Language Arts III and teacher recommendation; students must meet Scholar’s Academy criteria on page 7

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 (Honors)

College Composition I Hybrid is taken in cooperation with St. Louis Community College for 3 hours of college credit. St. Louis Community College requires a GPA of 2.5 and ACT scores of 18 in reading and 18 in English. The ACT scores can be replaced by a strong enough Accuplacer score. This course focuses on the development of writing techniques. Students will develop effective writing styles, writing process, revision practices and analytical skills. There is a focus on college level reading and writing of various types of essays including a research component. Students will complete a minimum of 20 pages of final draft writing using MLA format. For more information on Hybrid and Online courses see page 7.

905724 College Composition II 

Prerequisite: “C” or better in College Composition I or a “3” or better on the AP Composition and Language exam; students must meet Scholar’s Academy criteria on page 7

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 (Honors)

College Composition II Hybrid is taken in cooperation with St. Louis Community College for 3 hours of college credit. St. Louis Community College requires a GPA of 2.5 and ACT scores of 18 in reading and 18 in English. The ACT scores can be replaced by a strong enough Accuplacer score. This course builds on knowledge and skills learned in College Composition I and focuses on argumentative and persuasive writing techniques. Students will develop effective writing processes, writing styles, research abilities, analytical skills and argumentative tools. There is focus on college level reading and writing of various types of essays and a focus on research, persuasion and argumentation. Students will complete a minimum of 20 pages of final draft writing using MLA format. For more information on Hybrid and Online courses see page 7.

905413 College Prep English

Prerequisite: “C” or better in English Language Arts III, teacher recommendation

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 English

College Prep English is a rigorous semester long course, designed for college-bound students, which concentrates on preparation for a college level English course. Students independently read a variety of fiction and nonfiction, write formally and informally, study academic vocabulary, and review grammar skills. Students will write a variety of essays with a major focus on developing, organizing, and supporting main ideas in a structured format. Writing assignments will include narrative, analytical, expository, and persuasive essays. A midterm in-class writing assessment, as well as a final exam essay, is part of this course.

905314 College Prep English 

Prerequisite: “C” or better in English Language Arts III, minimum 2.5 GPA and teacher approval

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 English

This course is intended for students who want to take dual credit Composition I in the following semester. College Prep English - Hybrid Online is a rigorous semester long course, designed for college-bound students, which concentrates on preparation for a college level English course. Students independently read a variety of fiction

and nonfiction, write formally and informally, study academic vocabulary, and review grammar skills. Students will write a variety of essays with a major focus on developing, organizing, and supporting main ideas in a structured format. Writing assignments will include narrative, analytical, expository, and persuasive essays. A midterm in-class writing assessment, as well as a final exam essay, is part of this course.

905774 Creative Writing

Prerequisite: “C” or better in English Language Arts II or English Language Arts III or teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2 (Honors)

Creative Writing is for students who enjoy composing short stories, poems and plays. In addition to writing original pieces, students share selected works with their peers and critique other classmates’ work. Class members also contribute materials to *Reflections*, Ritenour’s literary magazine.

905477 Creative Writing 

Prerequisite: “C” or better in English Language Arts II or English Language Arts III or teacher recommendation; Students must meet Scholar’s Academy criteria on page 7

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2 English

Creative Writing is for students who enjoy composing short stories, poems and plays. In addition to writing original pieces, students share selected works with their peers and critique other classmates’ work. Class members also contribute materials to *Reflections*, Ritenour’s literary magazine.

This is an online course, which will not regularly meet face-to-face. Students enrolling this course must be participating in the Scholars Academy. For more information on Hybrid and Online courses see page 7.

905111 English Language Arts I

Prerequisite: None

Grade Placement: 9

Length of Course: 1 year

Credit: 1/2 English per semester


English Language Arts 1 examines a variety of classic and modern literature in several different genres including stories, novels, drama, and poetry. Students will learn to read critically to apply the literary elements to analyze authors’ techniques and purpose. Students will focus on composing extended fictional and personal narratives as well as well-developed, well supported claims in response to questions about texts.

905121 English Language Arts II**Prerequisite:** English Language Arts I**Grade Placement:** 10**Length of Course:** 1 year**Credit:** 1/2 English per semester

English Language Arts II emphasizes literary analysis and composition. Course readings include fiction, non-fiction, poetry, and drama. Course writings focus on using various text structures to analyze and compose expository writing. The study and use of literary devices and the writing process are emphasized. This is a state assessment (EOC) course.

905131 English Language Arts III**Prerequisite:** English Language Arts II**Grade Placement:** 11**Length of Course:** 1 year**Credit:** 1/2 English per semester

English Language Arts III emphasizes nonfiction, fiction, and composition. Students practice rhetorical analysis skills with essays, speeches, visuals, and articles. Students practice literary analysis skills with poems, short stories, and novels. Throughout the year, students write extensively over short as well as extended time frames. Course writings emphasize a variety of rhetorical modes such as narration, exemplification, comparison and contrast, analysis, and argumentation.

905140 Advanced English 1818—Advanced Placement (AP) English Literature and Composition **Prerequisite:** “C” or better in Advanced ELA3 or ELA3 and teacher recommendation**Grade Placement:** 12**Length of Course:** 1 year**Credit:** 1/2 English per semester (Honors)

Advanced English 1818—Advanced Placement English Literature and Composition is an intensive course emphasizing works from the 16th to the 21st century. More importantly, students will have gotten to know a few works well. In the course, they read deliberately and thoroughly, taking time to understand a work’s complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. In addition to considering a work’s literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation, whatever critical perspectives are brought to bear on the literary works studied.

Students enrolled in Advanced English 1818—Advanced Placement English Literature and Composition have the opportunity to earn six (6) hours of credit from St. Louis University, with payment, and college credit* by earning

high marks on the Advanced Placement English Literature and Composition exam.

*While colleges and universities are responsible for setting their own credit and placement policies, AP scores signify how qualified students are to receive college credit or placement: AP Exam scores of 5 are equivalent to A grades in the corresponding college course. AP Exam scores of 4 are equivalent to grades of A-, B+ and B in college. AP Exam scores of 3 are equivalent to grades of B-, C+ and C in college.

905171 Honors English Language Arts I**Prerequisite:** “C” or better in 8th grade English; teacher recommendation, and must pass first semester of this course to continue to second semester**Grade Placement:** 9**Length of Course:** 1 year**Credit:** 1/2 English per semester (Honors)

Pre-AP ELA I emphasizes a variety of classic and modern literature in different genres including short stories, novels, drama, and poetry. Students will practice annotation, critical thinking, and literary analysis techniques in order to interpret, evaluate, and connect to the text. Students will compose extended essays, narratives, and multimedia projects to demonstrate mastery of these skills. Success in Pre-AP ELA I depends on a student's self-motivation, independent work habits, and ability to use constructive criticism effectively. A summer reading assignment will be assigned prior to beginning this course. Pre-AP ELA I and II prepares students for Advanced Placement study as juniors and seniors.

905181 Honors English Language Arts II**Prerequisite:** “C” or better in Pre-AP ELA 1 or ELA 1; teacher recommendation**Grade Placement:** 10**Length of Course:** 1 year**Credit:** 1/2 English per semester (Honors)

Pre-AP ELA II emphasizes the analysis of a variety of fiction and nonfiction including essays, articles, short stories, novels, drama, and poetry. Students will continue using analysis techniques introduced in Pre-AP ELA I in order to gain a deeper understanding of materials studied. Pre-AP ELA II focuses on author’s purpose and the literary techniques each author uses to add depth to his/her work. Students will compose short literary analysis writings and extended expository and persuasive essays along with creative and multimedia projects to demonstrate mastery and understanding of literary analysis. Students will also study academic vocabulary and grammar in order to prepare for the ACT/SAT. This course is reading and writing intensive with AP style questions and writing introduced and practiced. Success in Pre-AP ELA II depends on a student's self-motivation, independent work habits, and ability to use constructive criticism effectively. A summer

reading assignment will be assigned prior to beginning this course. Pre-AP ELA I and II prepares students for Advanced Placement study as juniors and seniors. This is a state assessment (EOC) course.

905161 Advanced Placement (AP) English Language Arts III–English Language and Composition

Prerequisite: “C” or better in Pre-AP ELA 2 or ELA 2;

Teacher recommendation

Grade Placement: 11

Length of Course: 1 year

Credit: 1/2 English per semester (Honors)

Advanced Placement English Language and Composition is an intensive, college-level course emphasizing nonfiction texts and composition. Students read, examine, and learn how to carefully analyze a broad range of challenging nonfiction prose, deepening their awareness of the purpose and effectiveness of rhetoric. Through analyzing professional pieces, students become familiar with the rhetorical strategies that make for effective, persuasive writing.

Throughout the year, students write extensively over short as well as extended time frames. Course writings “require students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students also evaluate, synthesize, and cite research to support their arguments. During the course, students develop a personal style by making appropriate grammatical and rhetorical choices” (College Board, AP Language and Composition Course Overview, 2014).

Students enrolled in Advanced Placement English Language and Composition have the opportunity to earn college credit for the course by earning a passing score (3, 4, or 5) on the Advanced Placement English Language and Composition exam.

905165 Advanced Placement (AP) English Language Arts III–English Language and Composition 

Prerequisite: “C” or better in Pre-AP ELA 2 or ELA 2;

Teacher recommendation

Grade Placement: 11

Length of Course: 1 year

Credit: 1/2 English per semester (Honors)

Advanced Placement English Language and Composition is an intensive, college-level course emphasizing nonfiction texts and composition. Students read, examine, and learn how to carefully analyze a broad range of challenging nonfiction prose, deepening their awareness of the purpose and effectiveness of rhetoric. Through analyzing professional pieces, students become familiar with the rhetorical strategies that make for effective, persuasive writing.

Throughout the year, students write extensively over short as well as extended time frames. Course writings “require students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students also evaluate, synthesize, and cite research to support their arguments. During the course, students develop a personal style by making appropriate grammatical and rhetorical choices” (College Board, AP Language and Composition Course Overview, 2014).

Students enrolled in Advanced Placement English Language and Composition have the opportunity to earn college credit for the course by earning a passing score (3, 4, or 5) on the Advanced Placement English Language and Composition exam.

905873 Senior English–Multicultural Literature and Film

Prerequisite: ELA 3

Grade Placement: 12

Length of Course: 1 semester

Credit: 1/2 English

The purpose of this course is to gain an understanding of how culture influences individual's behaviors, perceptions, values, and expectations. Emphasis will be placed on acceptance and appreciation for multicultural diversity with a focus on the perspectives of minority voices. Reading in the course is selected to be high-interest and thought provoking, and will include informational text, fiction, poetry, biographies, and drama. Writing will focus on narrative, informative, and argumentative pieces. Students will also be expected to research, discuss, and present on various topics which are sensitive in nature.

Mathematics

Mathematics Graduation Requirement (3 Credits)

Goal: All seniors take a math class

911711 Advanced Placement (AP) Calculus AB

Prerequisite: "C" or better in Pre-Calculus

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Calculus topics include differentiation and integration of polynomials, rational and trigonometric expressions. Definitions and techniques are applied to graphing, velocity, acceleration, rate, area and volume. This course also prepares students for the Advanced Placement exam. A passing grade on this exam provides students with college credit for Calculus I at most schools.

911611 Advanced Placement (AP) Statistics

Prerequisite: "C" or better in Algebra 2 and Geometry

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Statistics topics include organizing and graphically representing data, calculating central tendency and variance, finding probability, and calculating significance and confidence of statistical findings. This course can be taken for college credit through Missouri Baptist University. This course also prepares students for the Advanced Placement exam. This course is designed for the students wishing to complete a third or fourth year of mathematics.

911361 Honors Algebra II with Trigonometry

Prerequisite: "B" or better in Algebra 1 and Geometry

Grade Placement: 10, 11

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Advanced Algebra II topics include functions, linear equations, systems of linear equations, radicals, laws of exponents and logarithms, sequences, series, matrices, complex numbers, and the application of these skills. This course is for tenth grade students who have mastered the skills of Algebra I and Geometry. Designed for the college-bound student who wishes to continue studying mathematics beyond high school, it is a fast-paced, in-depth course covering one year of material in one semester. Trigonometry analyzes the relationship between the angles and the sides of triangles from an algebraic point of view, as well as graphing functions and identities. Practical application to realistic problems is stressed. This is a state assessment (EOC) course if a student has not taken the Algebra I EOC in high school.

911011 Algebra I

Prerequisite: Pre-Algebra (passing both semesters)

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Algebra topics include real-life and real-data applications, data interpretation, conceptual understanding, problem solving, writing, cooperative learning, appropriate use of technology, mental mathematics, number sense, estimation, critical thinking, and geometric concepts are emphasized and integrated throughout. This is a state assessment (EOC Course). Students must be passing current course to take the Algebra 1 EOC.

911311 Algebra II

Prerequisite: Full year credit of Algebra I

Grade Placement: 10*, 11, 12 (*10—Only for those who have a full credit of Geometry in addition to Algebra I)

Length of Course: 1 year

Credit: 1/2 per semester

Algebra II topics include linear equations, functions and graphs, systems of linear equations, polynomials, rational expressions, radicals, quadratic functions, sequences and series, laws of exponents and logarithms, and applications of these skills. It is recommended for college-bound students. This is a state assessment (EOC) course if a student has not taken the Algebra I EOC in high school.

911411 Algebra III with Trigonometry

Prerequisite: Full year credit of Algebra II

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Algebra III begins to lay the basic mathematical concepts for College Algebra or Pre-Calculus. Algebra III analyzes the in-depth study of functions and relations to include: linear, polynomial, logarithmic, exponential and rational functions; the study of complex numbers, systems of equations, matrices, sequences and series, introduction to analytical geometry and applications of these skills. Trigonometry analyzes the relationship between the angles and the sides of triangles from an algebraic point of view, as well as graphing functions and identities. Practical application to realistic problems is stressed.

**911000 AMPED - Algebra Manufacturing Processes
Entrepreneurship & Design**

Prerequisite: Successful completion of Math 8 or Algebra 8

Grade Placement: 9, 10

Length of Course: 1 year (2 class periods per day; paired with Algebra I)

Credit: 2 (1 credit Algebra I, 1 credit Business Entrepreneurship)

In AMPED, students will design innovative concepts and solutions to solve current and future problems using a number of computer aided drafting and design (CADD) software programs, produce, market and sell products including t-shirts, skateboards, and various group determined projects. Students learn Algebra I and business concept applications, interact with school and community partners and customers while tracking expenses and maximizing profits. All profits are donated to local charities of student choice. This course requires teamwork and the safe use of heat press equipment, power tools and hand tools.

911633 College Algebra

Prerequisite: Algebra III with Trigonometry, A or B in Algebra II

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2 (Honors)

College Algebra topics include nonlinear functions and relations, logarithms, systems of equations, zeros of polynomials complex numbers, sequences, and mathematical inductions. It is designed for the college-bound student who wishes to continue studying mathematics beyond high school. This course can be taken for college credit through Missouri Baptist University.

911098 Foundations of High School Math

Prerequisite: none

Grade Placement: 9

Length of Course: 1 year

Credit: 1/2 per semester

Foundations of High School Math is intended for students who need additional time mastering foundational math concepts and may not have been successful in middle school math. Topics of study include: rational numbers, real numbers, proportions, ratios, basic algebra and geometry concepts.

911211 Geometry

Prerequisite: Algebra I–Semester 1

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Topics include logical arguments and proofs, problem solving, angle and segment relationships, facts regarding

various geometry figures, and calculation of perimeter, area and volume.

902107 GIC—Geometry in Construction

Prerequisite: Successful completion of Algebra I

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year (2 class periods per day; paired with Geometry)

Credit: 2 (1 credit Geometry, 1 credit elective–Practical art)

GIC will provide students the opportunity to immediately apply what they are learning in the classroom to what they are doing in the workshop. This team taught class is organized to take student's geometry concepts, introduced on math days, and apply them directly to tangible projects shop days. Students learn shop safety, problem-solving, tool use, CAD drawing and CNC operation. Projects will include student created concepts and designs to those introduced by instructors and outside "clients". Projects, both individual and group, big and small, may include sheds, theater set pieces, props, furniture, classroom makeovers, homecoming floats, guitar bodies, and much more. This class is perfect for anyone interested in engineering, construction, architecture, sculpture, theater set building, interior design, carpentry, and general fabrication. This course requires the safe use of power tools and hand tools, and may require outdoor construction. This course covers all geometry learning standards required for graduation. No previous building experience needed.

911099 Pre-Algebra

Prerequisite: none

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Pre-Algebra is the study of skills necessary for success in Algebra I and beyond. Topics of study include: whole number operations, integers, fractions, decimals, percents, ratios, exponents, solving equations, introduction to graphing/coordinate plane and basic algebra concepts.

911511 Pre-Calculus

Prerequisite: "C" or better in Honors Algebra II with Trigonometry or Algebra III

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Math Analysis/Analytic Geometry lays the groundwork for the basic concepts presented in Calculus. Topics include theory of equations, the conic sections, statistics, probability, functions, vectors and polar coordinates. The course is the study of plane and solid coordinate geometry and its application to Calculus. Major emphasis is placed on the study of lines, planes and conic sections in three-dimensional space.

Music

912001 A Capella Choir

Prerequisite: Audition
Grade Placement: 10, 11, 12
Length of Course: 1 year
Credit: 1/2 per semester

A Capella Choir is offered as a full credit course. Candidates for choir must audition in the spring or at the beginning of the school year. This group will present several concerts and the annual spring musical.

912111 Advanced Women's Chorus

Prerequisite: Women's Chorus or Audition
Grade Placement: 10, 11, 12
Length of Course: 1 year
Credit: 1/2 per semester

Advanced Women's Chorus will be open to women who have sung previously in a choir class or by audition. This class will study and perform music written specifically for women's voices of the advanced nature. The group will be limited to the top 30 voices that audition. This group will perform at all concerts and for adjudication at the state level.

912895 Audio Engineering

Prerequisite: none
Grade Placement: 10, 11, 12
Length of Course: 1 semester
Credit: 1/2

Topics covered include analog and digital signal flow, recording, editing, mixing and mastering. Students will apply their knowledge of audio technology while creating recorded performances of Ritenour High School student ensembles (including Band, Orchestra and Choir). Audio processing skills such as compression and equalization, in combination with time-based effects, will be utilized to create professional-quality audio production projects. Industry standard equipment and software should be incorporated to closely simulate the actual working environment of professional audio engineers.

912699 Songwriting 101

Prerequisite: 1 semester of Audio Engineering
Grade Placement: 10, 11, 12
Length of Course: 1 semester
Credit: 1/2

Students will study varying genres/song forms and will learn how to express themselves through the art of songwriting. Course content will include analyzing songs/song form, writing lyrics through rhyme and meter, expression/communication through song, recording

technology, symbiotic relationship between live performance, songwriting, and recording.

912200 Chamber Choir

Prerequisite: Audition
Grade Placement: 10, 11, 12
Length of Course: 1 year
Credit: 1/2 per semester

This course is designed as an advanced class for serious choral students. It is available to students in 10th-12th grade by audition only. Students should have the advanced skills and the desire to perform at the highest level. Students will perform at least twice a semester for the public and will participate in the MSHSAA Large Ensemble Contest.

912201 Chamber Orchestra

Prerequisite: Symphonic Orchestra (by audition)
Grade Placement: 10, 11, 12 (by audition only)
Length of Course: 1 year
Credit: 1/2 per semester (Honors credit available either junior or senior year)

Chamber Orchestra is an intensive course that will explore the world of concert performance practice encountered by young professional musicians. Music selected will form the basis of experience needed to successfully pursue college study and prepare for an exciting lifetime career in the music world. Designed for exceptional performance standards, each member will develop proficiencies necessary for obtaining college music scholarships. Home practice will be required every day for membership in this advanced ensemble. Students will perform for Solo and Ensemble Contest.

To receive honors credit, a student must be awarded a "I" rating at District Solo/Ensemble Contest or "I/II" rating at state Solo/Ensembles Contest. Honors credit is also available for students in All-Suburban Honors Ensembles with eligibility for All-State Honors Ensembles.

912301 Chamber Wind Ensemble

Prerequisite: Symphonic Band
Grade Placement: 10, 11, 12 (by audition only)
Length of Course: 1 year
Credit: 1/2 per semester (Honors credit available either junior or senior year)

Chamber Wind Ensemble is an intensive course designed for advanced wind and percussion musicians. Advanced/professional literature selected will form the basis of experience needed to successfully pursue college study/performance. Designed for exceptional performance standards, members will work to develop proficiencies

necessary for obtaining college music scholarships. Daily home practice is required for success in this advanced ensemble. Students will also perform with the orchestra and participate at Solo/Ensemble Festival. Students enrolled for honors credit will also audition for All-Suburban Band.

To receive honors credit, a student must be awarded a "I" rating at District Solo/Ensemble Contest or "I/II" rating at state Solo/Ensembles Contest. Honors credit is also available for students in All-Suburban Honors Ensembles with eligibility for All-State Honors Ensembles.

912411 Concert Band Brass and Percussion

Prerequisite: Instrumental experience

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Concert Band Brass and Percussion is for students who play brass or percussion instruments. The class will perform with the Concert Band Woodwinds class in several concerts during the school year playing a variety of music, including marches, classical semi-classical, jazz, pop and rock. Students in this ensemble comprise the Marching Band, performing at home football games, parades and other scheduled performance. Solos and small ensembles are encouraged.

912421 Concert Band Woodwinds

Prerequisite: Instrumental experience

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Concert Band Woodwinds is for students who play woodwind instruments. The class will perform with the Concert Band Brass and Percussion class in several concerts during the school year playing a variety of music, including marches, classical semi-classical, jazz, pop and rock. Students in this ensemble comprise the Marching Band, performing at home football games, parades and other scheduled performance. Solos and small ensembles are encouraged.

912551 Electric Guitar 1

Prerequisite: none

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Guitar class is open to all students sophomore and above. The class will be dedicated to learning the fundamentals of chording, arpeggios, and playing melodies on the guitar. The class will focus on technique. The class will have a final performance at the end of the semester in front of an audience. Maximum capacity 16 (sixteen) students

912651 Electric Guitar 2

Prerequisite: Electric Guitar 1

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Guitar performance skills acquired in Electronic Guitar 1 will be refined and expanded upon. Specific skills to be emphasized are music literacy, proper left and right hand technique, small ensemble rehearsal and performance skills, basic music theory concepts and basic audio technology applications. The text utilized will be *Alfred's Basic Guitar Method: Book 2*.

912691 Glee

Prerequisite: Audition

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

This course is designed to teach students techniques in singing and dancing as individuals and as a group. This class will perform at least one time each semester for the public. In order to take advantage of the techniques learned in the first semester and advance our performance in the second semester, this is a year-long class. This class is open to students in 10-12th grade by audition only. Students will be expected to attend a show choir camp in August outside regular school time. Auditions will be in late January for the following year.

912431 Jazz Band

Prerequisite: Audition Recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors Credit available junior or senior year)

The Jazz Band consists of a select group of students chosen through audition. Students will learn about the language, performance practices, forms and history of jazz. Practical application of knowledge and skills will occur through frequent public performances at various assemblies, concerts and outside gigs (some in a semi-professional setting). Students will develop increased musical independence through a chamber-music sensibility. Musical styles vary from the Big Band era to jazz and the latest pop and rock charts. Attendance at home basketball games is a requirement of the ensemble. Students enrolled for honors credit will also audition for All-Suburban Jazz Band and receive increased focus on the development of improvisational skills.

To receive honors credit, a student must be awarded a "I" rating at District Solo/Ensemble Contest or "I/II" rating at state Solo/Ensembles Contest. Honors credit is also available for students in All-Suburban Honors Ensembles with eligibility for All-State Honors Ensembles.

912403 Mixed Chorus**Prerequisite:** none**Grade Placement:** 9, 10, 11, 12**Length of Course:** 1 year**Credit:** 1/2 per semester

This is an entry-level course for all students (9-12) who have never been in choir at the high school level. Students will learn the reading and singing techniques required to produce a good tone and perform well together. This class will perform for the public at least twice per semester.

912591 Music Technology**Prerequisite:** none**Grade Placement:** 9, 10, 11, 12**Length of Course:** 1 semester**Credit:** 1/2

This class is open to all students. The class will be dedicated to learning the fundamentals of chording, arpeggios, and the playing and accompanying of melodies on the piano. The class will focus on technique with the purpose of using programs such as Garage Band to create and compose music. The class will have a final performance at the end of the semester in front of an audience. Maximum capacity 16 (sixteen) students.

912511 Symphonia**Prerequisite:** None**Grade Placement:** 9, 10, 11, 12**Length of Course:** 1 year**Credit:** 1/2 per semester

Symphonia is designed to provide students with the opportunity to build the ensemble skills necessary to be successful in the full orchestra setting. Students will perform a varied repertoire at several concerts each year, concentrating on string technique and skills for the advancing performer.

912521 Symphonic Band**Prerequisite:** Audition-Recommendation**Grade Placement:** 10, 11, 12**Length of Course:** 1 year**Credit:** 1/2 per semester

Band II is formed by audition or recommendation only with an expectation of a higher performance standard than the Concert Band. The students in this Wind Ensemble perform at several concerts during the school year, playing a variety of music, including marches, classical, semi-classical, jazz, pop and rock. Students in this ensemble (along with Concert Band) comprise the Marching Band, performing at home football games, parades and other scheduled performances. Solos and small ensembles are required. Honor Ensemble auditions required at the discretion of director.

912531 Symphonic Orchestra**Prerequisite:** Symphonia; audition**Grade Placement:** 10, 11, 12 (9th grade with audition only)**Length of Course:** 1 year**Credit:** 1/2 per semester

Symphonic Orchestra extends previous instruction in string instruments of the orchestra. Select wind and percussion players from the Wind Ensemble will join the strings for Symphony Orchestra. Performing in many musical styles, the orchestra presents eight public performances each year, including a holiday concert and All District Festival. Advanced students are encouraged to participate in special ensembles that perform for special events.

912611 Theory and Harmony**Prerequisite:** Basic musical knowledge (ensemble experience or private lessons recommended)**Grade Placement:** 11, 12**Length of Course:** 1 year**Credit:** 1/2 per semester (Honors)

Theory and Harmony is an advanced level course designed for upperclassmen who are interested in creative and compositional studies. It will move beyond the basic language of music to cover in more depth its syntax, structure and style. Also covered are elements of aural training, sight-singing and composition. This class is very important for those who wish to pursue a major or minor in music.

912101 Women's Chorus**Prerequisite:** None**Grade Placement:** 9, 10, 11, 12**Length of Course:** 1 year**Credit:** 1/2 per semester

Women's Chorus is open to all young women. Students will study and perform music that has been written specifically for female voices. The group will participate in concerts. A certain amount of proficiency in vocal production will be required. However, the level of proficiency will be considered less than that of the A capella choir in hopes to encourage students who haven't previously participated in choir. Students enrolled in women's chorus will not be enrolled in A Capella Choir.

Physical Education

One credit in physical education and 1/2 credit in health are required for graduation.

All ninth grade students will take one semester of health and one semester of physical education. The remaining one semester of required physical education may be taken as their schedules allow.

All physical education classes are co-educational. Students may take physical education courses for four years. It is recommended that students take only one physical education course per semester.

908704 Advanced Aquatics

Prerequisite: "C" or better in Aquatics; Teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Advanced Aquatics is designed for the advanced swimmer. Emphasis will be on endurance and advanced aquatic and safety skills.

908085 Advanced Weight Training

Prerequisite: Basic Weight Training; teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

This course is designed to be a co-educational course that provides students with an opportunity to expand upon principles learned in Basic Weight Training. Techniques and strategies will be introduced to increase physical performance with an emphasis on Olympic lifts, speed development and nutrition. Also, a rigorous cardiovascular training program will be utilized in this class. Students will be required to dress out regularly and be actively involved in workouts. Assessments will be multiple, including written, oral, and performance-based.

908004 Aquatics

Prerequisite: Ability to swim

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Aquatics is designed to improve individual fitness through knowledge and performance of aquatic skills. Emphasis will be on safety and skills to promote swimming as a lifetime recreational pursuit.

908084 Basic Weight Training

Prerequisite: General Physical Education 9 or Health or teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Basic Weight Training provides students with an introduction to proper techniques and strategies used to increase physical performance. Students learn to maximize physical strength and endurance by focusing on proper warm-up and cool-down techniques, plyometrics, weight lifting (core and auxiliary), and cardiovascular training. Nutrition and its effect on physical and mental performance are also studied. (Students are required to dress out regularly and be actively involved in workouts. Assessments are written, oral and performance-based. This course may be taken one semester per year for three years.)

908104 Beginning Aquatics

Prerequisite: Non-swimmer

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Beginning Aquatics is designed to address the needs of those students identified as non-swimmers. Emphasis will be on safety and basic swimming skills to promote swimming as a lifetime recreational pursuit.

908214 General Physical Education 9

Prerequisite: None

Grade Placement: 9

Length of Course: 1 semester

Credit: 1/2

General Physical Education 9 provides students with a comprehensive introduction to physical education with an emphasis on the five components of physical fitness (cardiovascular endurance, muscular endurance, muscular strength, flexibility, body composition). Particular attention is paid to general concepts, rules, strategies, and motor skills as they apply to team sports, lifetime activities, and recreational games. Grading is based on dressing out for class, participation, sportsmanship, and both written and performance skills tests.

908054 Health

Prerequisite: None

Grade Placement: 9, 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Health provides the information necessary for obtaining and maintaining a healthy lifestyle. Body systems, nutrition, disease, family life, relationships, substance abuse and first aid are some of the issues covered.

652501 Health 100% ONLINE

Prerequisite: Students must meet Scholar's Academy criteria on page 7

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

Health provides the information necessary for obtaining and maintaining a healthy lifestyle. Body systems, nutrition, disease, family life, relationships, substance abuse and first aid are some of the issues covered.

This is an online course, which will not regularly meet face-to-face. Students enrolling this course must be participating in the Scholars Academy. For more information on Online courses see page 7.

Available for Juniors and Seniors in Scholars Academy.

908464 Lifetime Fitness

Prerequisite: General Physical Education 9 or teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course was created as a non-competitive physical education class to help develop and improve cardiovascular and physical fitness by completing a variety of activities including but not limited to fitness walking light aerobics, yoga and Pilates. This class will be outdoors and indoors so students need to be prepared for all types of weather.

908384 Lifetime Sports/Leisure Activities

Prerequisite: General Physical Education 9 or teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Lifetime Sports/Leisure Activities students study rules and concepts as well as skills and strategies in the following activities: table tennis, volleyball, pickle ball, horseshoes and fitness walking. Fitness testing will be conducted for all students. Students are required to dress out for activities and are graded on participation, written tests, and performance skill tests.

908364 Team Sports

Prerequisite: General Physical Education 9 or teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Team Sports students study rules, fundamental skills, and strategies in a variety of sports such as flag football, soccer, basketball, softball, team handball and volleyball. Appropriate warm-up and cool-down techniques are also addressed. Students are required to dress out for activities, and grading is based on participation, written tests and performance skill tests.

Science

Science Graduation Requirement (3 Credits)
Many four year universities require four credits in science.

Course Sequence—Required Biology credit is **BOLDED.**

	Typical Option	Accelerated Option	PLTW Option	Advanced Option
Grade 9	Physical Science	Physical Science	Principles of Biomedical Science	<ul style="list-style-type: none"> • Honors Biology • Honors Chemistry • Physics
Grade 10	Earth & Space Science	Biology	Human Body Systems	<ul style="list-style-type: none"> • Honors Biology • Honors Chemistry • Physics
Grade 11	Biology	Chemistry	Biology or Honors Biology and Medical Interventions	<ul style="list-style-type: none"> • Advanced Placement Biology • Advanced Placement Chemistry • Advanced Placement Physics
Grade 12	Science Elective	Physics	Biomedical Innovation–Biomedical Science Capstone	<ul style="list-style-type: none"> • Advanced Placement Biology • Advanced Placement Chemistry • Advanced Placement Physics

Please see a counselor, Project Lead the Way (PLTW) instructor or the PLTW BioMedical section of this handbook (page 34) for additional PLTW science courses.

Additional Science Course Electives are available to students. See courses listed below

913221 Advanced Placement (AP)/College Biology L

Prerequisite: “B” or better in Honors Biology or “C” in Honors Biology with teacher recommendation or “A or B” in Biology with teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

College/Advanced Placement Biology is a college level biology course that is designed to follow a high school biology course (biology or honors biology). After completing this course students will take the AP Biology Exam which could result in them earning college credit. Students may also be eligible to register for college credit through a dual credit program (information regarding the dual credit program will be received at the beginning of the first semester).

In College/Advanced Placement Biology students will take a deeper look at many of the concepts they explored in their first chemistry course. Topics include evolution,

bioinformatics, genetics, cell structure, biochemistry, ecology, photosynthesis, and respiration. Laboratory activities provide the students with an opportunity for hands on exploration of the chemical theories and concepts they have learned.

913441 Advanced Placement (AP)/College Chemistry L

Prerequisite: “B” or better in Honors Chemistry or “C” in Honors Chemistry with teacher recommendation or “A or B” in Chemistry with teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

College/Advanced Placement Chemistry is a college level chemistry course that is designed to follow an introductory high school chemistry course (chemistry or honors chemistry). After completing this course students will take the AP Chemistry test which could result in them earning college credit. Students may also be eligible to register for

college credit through a dual credit program (information regarding the dual credit program will be received at the beginning of the first semester).

In College/Advanced Placement Chemistry students will take a deeper look at many of the concepts they explored in their first chemistry course. Topics include atomic structure, periodic trends, electron configurations, quantum theory, bonding, VSEPR theory, hybrid orbital theory, chemical formulas, chemical nomenclature, chemical reactions, thermochemistry, and gas laws, kinetics, equilibrium, acid/base chemistry, buffers, electrochemistry, and nuclear chemistry. Laboratory activities provide the students with an opportunity for hands on exploration of the chemical theories and concepts they have learned.

913649 Advanced Placement (AP) Physics 1–Mechanics

Prerequisite: “B” or better, or concurrently enrolled in Pre-Calculus, or teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

913648 Advanced Placement (AP) Physics 2–Electricity/Magnetism

Prerequisite: “B” or better, or concurrently enrolled in Pre-Calculus, or teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Equivalent to second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics; electricity and magnetism, optics; atomic and nuclear physics.

913525 Astronomy

Prerequisite: Algebra I

Grade Placement: 11, 12

Length of Course: 1 year

Credit: ½ per semester

Astronomy is designed to provide a complete survey of concepts at the introductory level. You will study the solar system and the concepts and processes which have led to our current understanding of the universe. You will examine constellations, galaxies, solar systems and each of its major constituents as individual worlds. Astronomy is a quantitative science. Students will use mathematics in labs and on homework and assessments. Students should

understand powers-of-ten notation and be able to use a calculator to compute answers to problems that use large numbers. Students should also be able to perform and understand simple algebraic equations and manipulations.

913211 Biology L

Prerequisite: Teacher approval for ninth grade, previous science credit or currently in 11th grade

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Biology is a detailed study of the structure and function of both plants and animals. Topics include molecular biology and chemistry, genetics, taxonomy, natural selection and ecology. Laboratory activities using the microscope and simulated experiments that are enhanced with technology take place. Students should have a good working knowledge of the scientific method, understanding basic atomic structure and chemistry and experience with laboratory tools. Success in this course requires strong vocabulary skills.

913439 Honors Biology L

Prerequisite: “A or B” in previous Science class and teacher recommendation

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Advanced Biology is an accelerated introductory high school biology course which gives students a basic foundation in the field of biology and prepares them for College/AP Biology. Biology is a detailed study of the structure and function of both plants and animals. Topics include molecular biology and chemistry, genetics, taxonomy, natural selection and ecology. Laboratory activities using the microscope and simulated experiments that are enhanced with technology take place. Students should have a good working knowledge of the scientific method, understanding basic atomic structure and chemistry and experience with laboratory tools. Success in this course requires strong vocabulary skills.

913204 Botany L

Prerequisite: “C” or better in Biology; teacher recommendation required for 10th graders

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Botany is the study of plants with a focus on the organs (roots, stems, leaves and flowers) and the function and the purpose of these organs. In addition to lab sessions, students raise houseplants, garden plants, and tend the garden.

913431 Chemistry L

Prerequisite: Previous science credit and a "C" or better in Algebra I or equivalent, Teacher approval for ninth grade only

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Chemistry is an introductory high school chemistry course which gives students a basic foundation in the field of chemistry. Students study and learn the fundamental concepts of chemistry and use algebra and laboratory skills to help them explore different aspects of chemistry. Topics include SI units of measure, atomic structure, periodic table and trends, physical and chemical properties of matter, bonding, chemical nomenclature, chemical reactions, and gas laws. Laboratory activities provide the students with an opportunity for hands on exploration of the chemical theories and concepts they have learned.

913894 Honors Chemistry L

Prerequisite: "A or B" in previous Science class and an "A or B" in algebra I or II and teacher recommendation

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Advanced Chemistry is an accelerated introductory high school chemistry course which gives students a basic foundation in the field of chemistry and prepares them for College/AP Chemistry. Students study and learn the fundamental concepts of chemistry and use algebra and laboratory skills to help them explore different aspects of chemistry. Topics include SI units of measure, atomic structure, periodic table and trends, physical and chemical properties of matter, bonding, chemical nomenclature, chemical reactions, gas laws, acids and bases, and electrochemistry. Laboratory activities provide the students with an opportunity for hands on exploration of the chemical theories and concepts they have learned.

913225 Earth & Space Science

Prerequisite: None

Grade Placement: 10,11,12

Length of Course: 1 year

Credit: ½ per semester

Earth & Space Science is the study of the world around you. Our topics will include: Astronomy (study of outer space), Geology (study of rocks, earthquakes, volcanoes and plate tectonics), Meteorology (study of the atmosphere, climate and climate change), and Oceanography (study of the oceans and water systems). This course will use hands-on experimentation, activities, and direct instruction. Students will learn the 'how' and 'why', not just the 'what' of science. We will show how Earth & Space Science is relevant in your everyday life.

913304 EcoAct

Prerequisite: Teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

EcoAct is an Environmental Leadership Program run by the Missouri Botanical Gardens. In order to participate in this class students need to apply and be selected by the program coordinators. The application process begins in early January and students interested in the program can ask their science teachers for more information. Once in the program students will participate in workshops and activities run by the Missouri Botanical Garden. Students will teach environmental lessons over what they are learning to 4th grade students within the Ritenour School District. Students will complete a group environmental project that spans the entire year. Students will also be responsible for maintaining good communication with the program coordinators.

913904 Ecology/Environmental Science L

Prerequisite: "C" or better in Biology

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Ecology/Environmental Science gives a brief introduction to the basic biosphere and its parts. The conservation of soil, air, water, forest and wildlife, particularly in Missouri, is emphasized. Current Environmental issues will be explored.

913511 Forensic Science

Prerequisite: "B" or better in Biology and Chemistry or concurrently enrolled; teacher recommendation required for 10th graders; fundamental understanding of Physics and Human Anatomy is highly recommended; Must pass semester 1 to be enrolled in semester 2

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

This course is designed around authentic performance assessments with students working either by themselves or in teams using the scientific knowledge and reasoning they have acquired in their lessons. This class involves all areas of science including biology, anatomy, chemistry, physics and earth sciences with an emphasis in complex reasoning and critical thinking skills. In addition, students must incorporate the use of technology, communication, language arts, mathematics and social studies.

913711 Human Anatomy and Physiology L

Prerequisite: "B" or better in Biology (full-year); teacher recommendation required for 10th graders

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Human Anatomy and Physiology is a college preparatory course investigating the structures and functions of the human body. An introduction to the study of the body is followed by in-depth studies of selected organ systems; the student is expected to complete dissection of preserved organs and animals. This course is designed to be academically rigorous and teach independent learning. It is best suited for students interested in the healthcare/medical field.

913655 Independent Scientific Research

Prerequisite: Teacher recommendation

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Independent Science Research is a project based course designed to allow students to explore science topics through both group and independent work. Students in collaboration with the instructor will determine a variety of science topics to explore throughout the semester. Students will come up with questions to explore, develop a plan for investigating their questions, and perform research. Upon completion of the research students will present their project to the class and other interested parties. Throughout the class multiple science topics will be investigated including: astronomy, physics, chemistry, biology, and more. Students in this class must be self motivated and be able to work in groups and independently. Any and all scientific skill levels are welcomed in this class where they are encouraged to explore science in a variety of manners.

913101 Physical Science

Prerequisite: None

Grade Placement: 9th grade ONLY

Length of course: 1 year

Credit: ½ per semester

Physical Science is the study of matter and energy, which includes two main areas of focus - chemistry and physics. Chemistry is the science of matter and its changes, while physics is the science of force and energy. Emphasis is placed on inquiry based learning and the development of skills such as observing, inferring, data collection, and graphing.

913611 Physics L

Prerequisite: "C" or better in Algebra II or passed or currently enrolled in Trigonometry; Teacher recommendation for 10th graders

Grade Placement: 9*, 10, 11, 12 (*9-Only for those who have a full credit of Algebra I)

Length of Course: 1 year

Credit: 1/2 per semester

Physics is a mathematical approach to the fundamental physical notions of time, space and matter. Mechanics, energy, momentum, heat, light, electricity and magnetism and some modern physics are covered. A working knowledge of algebra and geometric relationships is required.

913811 Zoology L

Prerequisite: "C" or better in Biology; teacher recommendation is required for 10th grade

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1 /2 per semester

Zoology is the study of the ancestral relationships between animals from the simplest phylum to the most complex. The taxonomic groups and their structural and functional differences and similarities are presented. Lab work includes microscopic analysis as well as the dissection of many invertebrate and vertebrate species. (This is an advanced course requiring a great deal of study and work by the student.)

Social Studies

Social Studies Graduation Requirement (3 Credits)

915144 20th Century Military History

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This semester course will focus on the major events, themes, and evolution of military institutions, defense goals, and policies during the course of the 20th Century. Students will analyze and research key battles, tactics, strategies, technologies, and military leaders from both of the World Wars, the Korean War, the Vietnam War, and the Persian Gulf War. Lessons learned during these wars, their aftermath, and the peacetime of the interwar periods of this century will help students draw conclusions about the use of military might and intervention as an effective tool of foreign policy and determine if war is ultimately futile.

915385 Advanced Placement (AP) Government

Prerequisite: Teacher recommendation, "B" or better in most recent Social Studies class

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Advanced Government is an in-depth analysis of U.S. citizenship and political responsibility; individual/personal freedoms; principles and history of government; local, state and federal levels of government; the three branches of government; political parties and special interest groups; and propaganda. Students will participate in simulations and debates, and apply their learning to current events and American History. Students are required to complete the government end of course exam following successful completion of the course. This course satisfies the state requirement for a government/civics course, provided the student passes U.S. Constitution and Missouri Constitution exams. This is a state assessment (EOC) course.

915603 College Credit Psychology

Prerequisite: St. Louis Community College Admission (See Counselor)

Grade Placement: 11, 12

Length of Course: 1st semester

Credit: 1/2 RHS Credit, 3 College Credits (Honors)

The College Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the

major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This is a dual enrollment course taught by a St. Louis Community College Instructor. Students must meet Accuplacer or ACT score requirements to take this course (see school counselor for more details). The cost of college credit for this course is \$75, and is the financial responsibility of the student or parent.

915395 College Credit Human Growth and Development

Prerequisite: College Credit Psychology

Grade Placement: 11, 12

Length of Course: 1 semester (second semester)

Credit: 1/2 RHS Credit, 3 College Credits (Honors)

Human Growth and Development is a continuation of concepts learned in College Credit Psychology. This is a dual enrollment course taught by a St. Louis Community College Instructor. Students must meet Accuplacer or ACT score requirements to take this course (see school counselor for more details). The cost of college credit for this course is \$75, and is the financial responsibility of the student or parent.

915603 Advanced Placement (AP) U.S. History

Prerequisite: "B" or better in most recent Social Studies class; teacher recommendation; 3.0 GPA

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

915066 Advanced Placement (AP) World History

Prerequisite: “B” or better in most recent Social Studies class; teacher recommendation; 3.0 GPA

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

The AP World History course focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

915064 Honors U.S. History 9

Prerequisite: Teacher recommendation, “B” or better in most recent Social Studies class

Grade Placement: 9

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Advanced American History 9 can be taken as an alternative to US History 9. This course will satisfy the US History social studies 9 graduation requirement. This pre-AP honors class will focus on the political, economic, social, geographic, and technological developments of US History from Reconstruction through present day. Students will study important people and events that had a major impact on our country. As a course designed to prepare students for AP/college level social studies classes, critical thinking and writing skills, historical thinking habits, strategies, and themes will be heavily emphasized. Students should be self-motivated, accept responsibility for their learning and their behavior, be willing and able to work independently and in groups, and have a desire to improve their historical understanding and their thinking and writing skills. This course uses a variety of materials including primary documents, scholarly articles, historiography, films, and occasionally a textbook.

915124 African American History

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This course in African American History explores this dynamic topic from points of origin in Africa all the way through to modern day. Emphasis will be placed on understanding key events and various African Americans significant to the African American experience.

915294 Civil War Military History

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

This semester course will have students journey back to the 19th Century to focus on the history of America's bloodiest war, where over 620,000 men lost their lives fighting for their respective causes. Emphasis of study will be placed on what led America to civil war in 1861, technological advancements used in fighting the war, strategies and tactics employed by the Federal and Confederate armies, and a study in military leadership from the great generals like Grant, Lee, Sherman, and Jackson. Students will analyze battle maps, troop maneuvers, historic blunders, and glorious triumphs of several of the Civil War's greatest battles and how the country was eventually preserved after four long years of grueling war.

915669 Crimes Against Humanity

Prerequisite: None

Grade Placement: 11, 12

Length of Course: 1 semester

Credit: 1/2

This course is designed to examine the concept and development of social justice, as well as its enforcement. Students will investigate the violation of human rights doctrines through crimes against peace, genocide, war crimes and crimes against humanity. The course will look at historical examples, as well as current public policy issues impacting international criminal justice and world peace. Students should be able to use critical thinking, factual inquiry, and the scientific approach to solve problems. Upon completion of this course students should develop and understanding of legal, political and policy making processes that affect international criminal justice in various jurisdictions.

915184 Gender Studies**Prerequisite:** None**Grade Placement:** 11,12**Length of Course:** 1 semester**Credit:** 1/2

This course explores the core concepts underlying the interdisciplinary field of Women's Studies, introducing the ways in which the study of women and sex/gender as social categories transforms our understanding of culture, history and society. Topics include the social construction of gender, the gender division of labor, production and reproduction, intersections of gender, race, class, and ethnicity, and the varieties of sexual experience. Students will analyze historical accounts and current issues from a historical perspective with respect to the combined effects of gender, race and class on the status of women and other genders in contemporary society. The course will include the study of the problems inherent in establishing full social equality for women and other marginalized genders.

915054 Government**Prerequisite:** None**Grade Placement:** 11, 12**Length of Course:** 1 year**Credit:** 1/2 per semester

Government focuses on U.S. citizenship and political responsibility; individual/personal freedoms; principles and history of government; local, state, and federal levels of government; the three branches of government; political parties and special interest groups; and propaganda. Students are required to complete the Government end of course exam following successful completion of this course. This course satisfies the state requirement for a government/civics course, provided the student passes U.S. Constitution and Missouri Constitution exams. This is a state assessment (EOC) course.

915670 History's Mysteries and Conspiracies**Prerequisite:** None**Grade Placement:** 11, 12**Length of Course:** 1 semester**Credit:** 1/2

This dynamic semester course is designed to get students thinking like history detectives as they gather, analyze, and interpret historical evidence of events from the past from American and World history. Students will take the evidence that is presented and researched to create their own hypotheses from their findings and draw their own conclusions about the historical event. Part history, part literature, and a little bit of drama, this course allows students to utilize critical-thinking and problem-solving skills through discovery and "solve" the mysteries and conspiracies from the past.

915668 Latin American History**Prerequisite:** None**Grade Placement:** 10, 11, 12**Length of Course:** 1 semester**Credit:** 1/2

This course examines the discovery and colonization of Spanish-speaking Latin America. It follows the rise of nation states in Central and South America from Mexico to Chile and Argentina. The course emphasizes the political, social, and cultural changes that Latin American countries have gone through to become modern nations in the last 500 years. The course also examines how Latin American people have attempted to understand themselves and their civilization. Students will review key people including leaders, average citizens, authors, musicians, invaders, and the like. Students will be encouraged to contextualize this knowledge in the setting of the present realities of the Latin American people, as they try to answer the question where do they (we) go from here?

915900 Law and American Society**Prerequisite:** None**Grade Placement:** 10, 11, 12**Length of Course:** 1 semester**Credit:** 1/2

Law and legal philosophy are viewed through the lenses of history, virtue, and culture, resulting in many definitions of law. For the purposes of this course, law is defined as the rules made and enforced by government that regulate the conduct of people within a society. Articles will be assigned covering topics such as laws and order, morals and values, human rights, balancing rights with responsibilities, and the U.S. Constitution. In this course, students will be gaining valuable mastery of the U.S. Constitution, the functions of the U.S. system of government, and an emphasis on precedent set by U.S. Supreme Court rulings.

915164 Philosophy**Prerequisite:** None**Grade Placement:** 10, 11, 12**Length of Course:** 1 semester**Credit:** 1/2

Philosophy will examine the origins of Western philosophy and how it has evolved starting from Ancient Greece through the early 20th Century. Students will gain a better understanding of how man has sought to answer questions regarding human nature, government, and their surroundings, as well as forming their own ways of thinking about the world around them. Students will learn how people of the past worked to create meaning in their lives.

915304 Psychology

Prerequisite: None

Grade Placement: 10, 11, 12

Length of Course: 1 semester

Credit: 1/2

Psychology is the systematic scientific study of individual human behavior and experience. The purpose of this course is to introduce the student to the content, terminology, methodology, and application of the discipline. Topics include human development, personality, abnormal psychology, clinical intervention, and social psychology. Other topics may include psychological assessment, cross-cultural psychology, and psychological adjustment. This survey course contains an introduction followed by various units based on the physiological, cognitive, behavioral, and affective domains of psychology. This elective course stresses the application of academic content to the student's life.

915100 U.S. History 9

Prerequisite: None

Grade Placement: 9

Length of Course: 1 year

Credit: 1/2 per semester

This is a course that traces U.S. History from 1865 and the Reconstruction Era to the present. The course focuses on those events, themes, forces, and personalities that have helped shape America. During the course of study, emphasis will be placed on the student acquiring and demonstrating greater skills in the areas of government, economics, geography, history, human development, and other related social studies skills.

915065 World History

Prerequisite: None

Grade Placement: 10

Length of Course: 1 year

Credit: 1/2 per semester

Students in World History will focus their studies on the events, forces, and personalities that have played a role in shaping today's world, studying the span of history from the ancient and classical world to modern times. Special emphasis will be placed on the themes and events of history as they impacted the regions of study. Students will acquire and demonstrate skills of economics, politics, history, geography, and human development.

World Language

Students who plan to attend college need two years of the same world language to meet entrance requirements. Four years study is preferable and often meets the college requirement for language study. In order to complete four years of world language study, students will need to begin as a freshman.

Success in a world language is closely related to success in English classes. It is highly recommended that students earn a grade of “C” or better in a previously taken English course. Because the study of world language is sequential, a student must earn a passing grade each year to progress to the next level.

Native speakers of a language may sign up for a World Language. Many students may have speaking ability but few reading or writing skills. The teacher may administer a test to the native speaker at the beginning of the year to determine the appropriate level of study.

World Languages Courses at levels III and IV are often offered for dual credit. Student should discuss dual credit options with their World Language Teacher.

906001 French I

Prerequisite: Recommended “C” or better in Language Arts

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

French I is an introductory language course, emphasizing listening and speaking skills while developing basic second language reading and writing skills. Classes are conducted in French as extensively as possible. The curriculum is based on everyday experiences of teenagers in French-speaking countries. Students learn how to communicate about themselves and their interests. (Students who maintain a 4.0 in the first two levels of French are eligible to join the French Honor Society.)

906005 French II

Prerequisite: French I

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

French II is a continuation of French I. Classes are conducted primarily in French. The communication skills of listening and speaking continue to be emphasized. Reading and writing skills are developed as students are asked to think critically and express themselves in French. The curriculum is based on everyday experiences of teenagers in French-speaking countries. Students learn to communicate in culturally authentic ways. (Students who maintain a 4.0 in the first two levels of French are eligible to join the French Honor Society.)

906008 French III

Prerequisite: French II

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

French III students should be able to comprehend the language used in the classroom on a daily basis. French III introduces students to more advanced reading materials, including short stories, poetry, and newspaper and magazine articles. Students learn how to write compositions and prepare written and oral reports in French. French is used as the primary means of communication in the class.

906141 French IV

Prerequisite: French III

Grade Placement: 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

In French IV students read culturally authentic literature that is more difficult. Students practice their composition skills as well as their speaking skills which will enable them to express themselves correctly. Upon completing French IV, all students should be able to hold everyday conversations in French. The geography, culture and civilization of various French-speaking countries are examined. Students will use French as the primary means of communication in the class.

906025 German I

Prerequisite: Recommended "C" or better in Language Arts

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

German I is an introductory language course, emphasizing listening and speaking skills while developing basic second language reading and writing skills. Classes are conducted in German as extensively as possible. The curriculum is based on everyday experiences of teenagers in German-speaking countries. Students learn how to communicate about themselves and their interests. (Students who maintain a 4.0 in the first two levels of German are eligible to join the German Honor Society.)

906030 German II

Prerequisite: German I

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

German II is a continuation of German I. Classes are conducted primarily in German. The communicative skills of listening and speaking continue to be emphasized. Reading and writing skills are developed as students are asked to think critically and express themselves in German. The curriculum is based on everyday experiences of teenagers in German-speaking countries. Students learn to communicate in culturally authentic ways. (Students who maintain a 4.0 in the first two levels of German are eligible to join the German Honor Society.)

906231 German III 1818

Prerequisite: German II

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

German III students should be able to comprehend the language used in the classroom on a daily basis. German III introduces students to more advanced reading materials, including short stories, poetry and newspaper and magazine articles. Students learn how to write compositions and prepare written and oral reports in German. German is used as the primary means of communication in the class.

906241 German IV 1818

Prerequisite: German III

Grade Placement: 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

In German IV students read culturally authentic literature that is more difficult. Students practice their composition skills as well as their speaking skills, which will enable them to express themselves correctly. Upon completing German IV, all students should be able to hold everyday conversations in German. The geography, culture and civilization of various German-speaking countries are examined. Students will use German as the primary means of communication during class.

906010 Spanish I

Prerequisite: Recommended "C" or better in Language Arts

Grade Placement: 9, 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester

Spanish I is an introductory language course, emphasizing listening and speaking skills while developing basic second language reading and writing skills. Classes are conducted in Spanish as extensively as possible. The curriculum is based on everyday experiences of teenagers in Spanish-speaking countries. Students learn how to communicate about themselves and their interests. (Students who maintain a 4.0 in the first two levels of Spanish are eligible to join the Spanish Honor Society.)

906015 Spanish II

Prerequisite: Spanish I

Grade Placement: 9*, 10, 11, 12 (*9-Only for those who have a full credit of Spanish I)

Length of Course: 1 year

Credit: 1/2 per semester

Spanish II is a continuation of Spanish I. Classes are conducted primarily in Spanish. The communicative skills of listening and speaking continue to be emphasized. Reading and writing skills are developed as students are asked to think critically and express themselves in Spanish. The curriculum is based on everyday experiences of teenagers in Spanish-speaking countries. Students learn to communicate in culturally authentic ways. (Students who maintain a 4.0 in the first two levels of Spanish are eligible to join the Spanish Honor Society.)

906020 Spanish III

Prerequisite: Spanish II

Grade Placement: 10, 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

Spanish III students should be able to comprehend the language used in the classroom on a daily basis. Spanish III introduces students to more advanced reading materials including short stories, poetry, and newspaper and magazine articles. Students learn how to write compositions and prepare written and oral reports in Spanish. Spanish is used as the primary means of communication in the class.

906341 Spanish IV

Prerequisite: Spanish III

Grade Placement: 11, 12

Length of Course: 1 year

Credit: 1/2 per semester (Honors)

In Spanish IV students read culturally authentic literature that is more difficult. Students practice their composition skills as well as their speaking skills, which will enable them to express themselves correctly. Upon completing Spanish IV, all students should be able to hold everyday conversations in Spanish. The geography, culture and civilization of various Spanish-speaking countries are examined. Students will use Spanish as the primary means of communication during class.

Career and Technical Education

Sophomore Year—Choosing your major will be easy after this fun and engaging Career Exploration class designed just for sophomores. Over the course of one or two semesters, you will rotate through up to 8 career clusters while being introduced to all of the majors available to you in 11th grade. Explore through hands-on projects, exciting activities, and shadowing experiences to discover the program that fits your interests and aspirations.

Sophomore Career Exploration

COURSE ROTATION: Advanced Manufacturing Pathways, Arts Pathways, Construction Pathways, Human Services Pathways, Information Technology Pathways, Medical Pathways, and Transportation Pathways.

Junior/Senior Years—Students may pursue training in one specific career program. Students can earn two credits per semester through the Career and Technical Education Programs offered at North Tech High School.

Junior/Senior Program Offerings

Choose one program for two years

1. Auto Body	14. *Firefighting— One year program
2. Automotive Technology	15. Graphic Design
3. Carpentry	16. Health Sciences
4. CISCO Networking Academy	17. Heating, Ventilation and Air Conditioning
5. Construction Trades	18. Hospitality and Hotel Management
6. Construction Innovations	19. Information Technology— One year program
7. Cosmetology	20. *Law Enforcement— One year program
8. Culinary Arts	21. Outdoor Construction— One year program
9. Diesel Technology	22. Pharmacy Sciences
10. Early Childhood Education	23. Precision Machining
11. Electrical Trades	24. Veterinary Assistant
12. *Emergency Medical Technician— Seniors Only	25. Web Design and Computer Programming
13. Fashion Design	26. Welding

Please see Ritenour High School counselors or visit www.northtechnical.org for more information about North Tech High School offerings.



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