

Marionville High School
Career Planner
2018-2019
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BEYOND HIGH SCHOOL - WHAT WILL YOU DO?

Immediate Employment
 Technical School
 Military
 Community College (two-year)
 Four-Year College
 Apprenticeship

EXPLORE THE OPTIONS:

- Read about careers and training or college in the high school counseling department, newspapers and public library.
- Use the computer program Missouri Connections to explore the military, technical schools, colleges, careers, financial aid and scholarship information.
- Visit work places, observe, shadow, volunteer and work part-time.
- Visit technical schools, community colleges and four-year universities.

KNOW YOURSELF:

EDUCATION-----What courses have you taken? With how much academic challenge are you comfortable with? Do you want to continue with college, vocational training or on-the-job training?

INTERESTS-----What are you interested in – working with people, working alone, working indoors or outdoors? Develop a list of the types of jobs and conditions you like best, but be flexible. Have you chosen one of the six career paths?

SKILLS AND ABILITIES-----Make a list of your skills and abilities. Include your organization skills, management skills and special talents.

EXPERIENCE-----What has been your involvement in clubs, social activities, travel, volunteer work or paid employment? Include the types of responsibilities you have had in these activities.

VALUES-----What are your beliefs and attitudes toward yourself, other people and the world?

AREAS OF IMPROVEMENT----What do you want to improve about yourself?

GOALS-----What do you want to accomplish in four to five years? Develop a plan for immediate and long-range goals.

HOW TO USE THIS CAREER PLANNING BOOK

If your answers to “Know Yourself” indicate that you want to:

- **Enter the workforce immediately after graduation:**
 - Select courses that give you specific information and skills for employment.
 - Examine the Southwest Regional Technical Center for options that include certification and job placement opportunities.

- **Enter the military:**
 - Graduate from high school.
 - Select courses that prepare you for the military occupational specialty (MOS) in which you are interested.
 - Contact local recruiters by telephone or talk with them when they visit our school.
 - Army– (417) 883-6321
 - Air Force– (417) 823-3869
 - Marines– (417) 881-4044
 - National Guard- (417) 678-4540
 - Navy- (417) 881-4252

- **Enter technical school, community college or four-year university:**
 - Observe the admission requirements and articulation requirements.
 - Select the courses required by the school(s) of your choice.
 - Maintain a folder consisting of a record of activities, leadership roles, honors, achievements, test scores and courses completed when applying to schools.
 - Explore high school educational options that help you develop your lifestyle plan and follow procedures for those you choose.

CHOOSING A CAREER PATHWAY

Each student, working with parents, teachers and counselors, will develop a course of study centered around one of the six broad career paths. The course of study may reflect a general area of interest such as health services, or it may concentrate on a specific occupational goal such as becoming a respiratory therapist or a registered nurse. The following activities will enable students to achieve a designated career pathway:

- Marionville students will be involved in activities designed to expand awareness of a variety of careers.
- In the eighth grade students will be able to choose a career pathway by considering personal interests, personality and strengths. The student will then develop a six-year plan by selecting the courses that are relevant to the variety of occupations in the chosen career pathway.
- The six-year plan will be reviewed each year and modified if needed.
- Activities to explore careers will continue throughout high school.

If students change their minds:

A career path choice is **not** a permanent commitment. As students mature and have new experiences, they will learn new things about themselves and may want to change career paths. If a student decides on a new path, this should be discussed with the counselor so the student's four-year plan may be adjusted.

CAREER PATHS

Career Pathways are clusters of occupations or careers that are categorized because many of the people in each one share similar interests, abilities and strengths. You should note the variety of occupations in each pathway which require various levels of training and education. The *possible* occupations listed in the different career pathways on the following pages are only a very small portion of the vast number of occupations in each.

ARTS AND COMMUNICATION

Are you creative? Imaginative? Innovative? Do you like being original? This pathway prepares students for occupations related to the humanities and the performing, visual, literary and media arts.

BUSINESS, MANAGEMENT AND TECHNOLOGY

Are you an organizer? Leader? Planner? Are you a good communicator? Do you follow through and persist to see the end product? This pathway prepares students for occupations related to the business environment.

HEALTH SERVICES

Do you like to help people who are sick? Help people to stay well? Are you interested in the medical field, how the human body works? This pathway prepares students for occupations related to the promotion of health and the prevention and treatment of disease.

HUMAN SERVICES

Are you outgoing? Open? Friendly? Do others consider you understanding and cooperative? This pathway prepares students for occupations related to economic, political and social systems.

INDUSTRIAL AND ENGINEERING TECHNOLOGY

Are you mechanically inclined? Practical? Like to use your hands and build things? Find out how things work? This pathway prepares students for occupations related to the technologies necessary to design, develop, install or maintain physical systems.

NATURAL RESOURCES

Do you like the outdoors? Interested in plants and animals? Curious about the physical world? Like to observe, investigate and solve problems? This pathway prepares students for occupations related to the environment and natural resources.

GRADUATION AND CURRICULUM REQUIREMENTS

To meet the graduation requirements of Marionville High School, graduating students must complete a minimum of 26 units of credit during grades 9 through 12. A student's program must be cooperatively planned and approved by the student, his or her parents and the school. The program shall include courses of study in social studies, science, mathematics, communication skills, fine arts, practical arts and physical education as specified below.

TOTAL CREDITS: 26

Com Arts: 4

Science: 3

Math: 3

Social Studies: 3

Practical Art: 1

Fine Art: 1

PE: 1

Personal Finance ½

Health: ½

MINIMUM COLLEGE ADMISSION REQUIREMENTS

The Missouri Coordinating Board of Higher Education has approved the following minimum recommended 24-unit core curriculum requirements for admission to all Missouri public four-year colleges and universities.

ENGLISH 4 units, one of which may be speech or debate, and 2 units emphasizing composition or writing skills. (Not including Yearbook)

MATHEMATICS 3 units (high school level) Algebra I and beyond; (i.e., Algebra II, Geometry, Trigonometry, Calculus)

SOCIAL STUDIES 3 units, must include American History and a semester of Government

SCIENCE 3 units, one of which must be a laboratory science

VISUAL/PERFORMING ARTS 1 unit (fine arts courses in visual arts, music, dance, and theatre)

ELECTIVE 3 units selected from the above categories and/or a foreign language (two years of a foreign language are strongly recommended)

Keep in mind these are the minimum requirements for admission to public four-year Missouri colleges. ***It is important to check the requirements of each college to determine if its requirements exceed those shown above.*** The schools in the University of Missouri System require one additional math credit and two years of the same foreign language.

The counseling office has information on all Missouri two-year and four-year colleges and universities, out-of-state colleges, applications and financial aid information, and ACT/SAT admission test registration materials. College admission representatives schedule meetings at Marionville High School throughout the school year.

COLLEGE VISITS OR CAREER PURSUIT

College visit days are available for juniors and seniors to visit area colleges they might consider attending after high school graduation. Students are limited to two visits during the year with verification. Students must pick up a form from the counselor's office and have the form filled out at least one week in advance for permission to be granted.

NCAA DIVISION I AND DIVISION II ACADEMIC ELIGIBILITY REQUIREMENTS

Students interested in participating in a Division I or Division II Athletics NCAA program at the college/university level need to contact the athletic director for information concerning the specific academic eligibility requirements or access the website at www.ncaa.org.

Some general requirements include:

- Graduate from high school
- Successful completion of a core curriculum of at least 16 academic courses (this core curriculum varies as to Division I and Division II requirements)
- Meet specified ACT or SAT scores

Some classes offered at Marionville High School do not meet eligibility requirements. Students considering NCAA eligibility must obtain complete academic eligibility requirements from the athletic director. Student athletes may apply during their junior or senior year.

Rule for Division I Athletes

16 Core Courses Required:

- 4 years of English
- 3 years of Math (Algebra I or higher)
- 2 years of science
- 1 year of additional English, Math and/or science
- 2 years of social studies
- 4 years of additional courses (any listed above, foreign language or comparative religion/philosophy)

Full Qualifier

Complete 16 core courses

10 of the 16 core courses must be completed before the seventh semester

(senior year) of high school

7 of the 10 core courses must be in English, math or natural/physical science

Earn a core-course GPA of at least 2.30

Earn the ACT score that corresponds with your GPA on the sliding scale

Rule for Division II Athletes

16 Core Courses Required:

- 3 years of English
- 2 years of Mathematics (Algebra I or higher)
- 2 years of Natural/Physical Science (1 year of lab if offered by high school)
- 3 year additional English, Mathematics or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any area above or foreign language, non-doctrinal religion/philosophy)

Full Qualifier

Complete 16 core courses

Earn a core-course GPA of 2.2

Earn the ACT/SAT score matching your core-course GPA on the Division II sliding scale

GENERAL INFORMATION

FREQUENTLY ASKED QUESTIONS

May I repeat a course for graduation credit?

No, an academic course successfully completed with a passing grade cannot be repeated for credit. Some electives such as Band, Choir, Yearbook, etc. may be repeated.

What happens if I fail a semester of a required full year (two-semester course)?

Credits are earned by the semester (one-half credit per semester). If you fail a required course, you will need to repeat the failed semester until you successfully complete that semester of the course. It is recommended that this be done as soon as possible. **Note: Failure of a first semester class may result in removal from the second semester of the class.**

How can I earn extra credit or make up for lost credit?

Summer school credit may be earned as applicable. To receive credit for correspondence courses, a student must receive permission from a counselor before enrolling. The student is responsible for the costs. *Courses must be completed three weeks prior to the end of the school year.* Only correspondence work completed through the independent learning programs of accredited colleges or universities will be accepted.

May I change my schedule if I don't like a class?

Class schedules may **only** be changed for one of the following reasons:

- Schedule is in conflict
- Not meeting a prerequisite
- To add graduation requirements
- Repeat a failed class or in a previously passed class

Note: *All other changes will require approval from a high school administrator.*

EXTRACURRICULAR OFFERINGS

ATHLETICS FOR GIRLS

Archery
Basketball
Cheerleading
Softball
Track and Field
Volleyball

ATHLETICS FOR BOYS

Archery
Baseball
Basketball
Football
Track and Field

ACTIVITIES AND CLUBS

ACADEMIC TEAM:

****Requirements for membership***

The Marionville High School Academic Team is open to all students in grades 9-12. Students wishing to join the academic team must maintain a grade point average of 8 or higher on an 11 point scale or 3 and higher on a 4 point scale. The team captain and co-captain are chosen by the sponsor. Eligibility for these positions requires longevity on the team and maintaining a good standing on the team.

****Requirements for maintaining membership:***

The student must maintain their GPA according to the above requirements. The student is expected to attend weekly practices. If a student misses more than five (5) practices throughout the school year, they will no longer be eligible to compete with the team. The student will need to expect to compete in at least one competition during each month of the school year. Students missing more than two competitions will be asked to forfeit their place on the team and will no longer be eligible to compete with the team.

BOOK CLUB:

Do you love to read? Do you love to talk about books? Then book club is the place for you! Throughout the school year, a member of book club will read numerous books in a variety of genres, then have the opportunity to discuss those books in small groups. Come join the fun!

FBLA:

The FBLA-PBL mission is to bring business and education together in a positive working relationship through innovative leadership and career development programs. Co-curricular activities include career exploration, civic service, economic education, and fostering entrepreneurship. FBLA membership is available to students who are enrolled currently or have completed at least one semester in a Business Class. The Marionville FBLA chapter includes many activities for one to participate in. Our chapter participates in multiple business related workshops, competitive events at the district, state, and national level, and community service projects like hosting multiple blood drives at school, organizing an annual food drive, and participating in Adopt-A-Highway with other organizations.

FCCLA:

Family Career & Community Leaders of America is a dynamic and effective national career and technical student organization that helps young men and women become leaders and address important personal, family, work, and societal issues through Family and Consumer Sciences education. FCCLA membership is available to students who are either currently enrolled or have completed at least one semester in a Family and Consumer Sciences class. FCCLA is affiliated on the regional, state, and national levels. Students have the opportunity to compete at the regional and state levels in various competitive divisions. Members have also traveled to Dallas, Louisville, St Louis, & Little Rock for National Meetings. Scholarships are also available at the college level for active members. Marionville H.S. FCCLA prides itself on its level of community service. Specific examples of community service include Adopt a Family, Traffic Safety Programs, Adopt a Highway, and many others. We welcome all freshmen! Come check us out!

FCA/FCS-Fellowship of Christian Athletes/Students

FCA is a club for any student who wants to make a difference. We try to meet once a week to discuss scripture, current issues in society/our community, and anything else pertinent at that time. We also serve by helping out at nearby community service organizations, like Friends Against Hunger in Springfield.

FFA:

The Marionville FFA Chapter is designed for students enrolled in agricultural classes at the Marionville High School. Through the FFA, students have the opportunity to gain, develop and expand upon leadership skills. The Marionville FFA Chapter is consistently ranked in the top 5% of all FFA Chapters in the nation. The National FFA Organization is the largest youth organization in the world and awards over \$2,000,000 in scholarships every year. Locally, students are very involved in both leadership and community service type projects in the community. Every student that enrolls in an agriculture class is required to join the FFA. It is not a requirement to live on a farm as over half of all local members do not live on a farm, nor do they have to own farm animals.

MATH CLUB:

The purpose of Math Club is to promote the study of mathematics. Students will engage in activities both within and outside of the classroom setting, including participating in math contests. To be eligible for membership in Math Club, a student must sign up with the sponsor and participate in at least 1 Math Club activity.

NHS:

National Honor Society is an honor society available to students who have a 3.75 GPA or higher in their junior or senior year. Students can earn entrance into NHS by acquiring 10 hours of school or community service and maintaining a clean record with no out of school violations in the students' high school career. Induction will happen at the end of the school year for those students who meet the criteria. There is an annual \$20.00 chapter fee.

SCIENCE CLUB:

Science Club is open to all students in grades 9-12. In order to become a member of science club, students must attend the first meeting; pay their dues within the requested time. Science Club members are expected to compete in at least one activity and participate in the community service projects. During our monthly meetings you will be doing science experiments. Officers are elected each fall. The candidates for officers are those students who were science club members, in good standing, during the previous school year. All members for the current school year, who have paid their dues, are allowed to cast their ballot for the election of officers.

STUDENT COUNCIL:

Members are elected to Student Council each April. Three representatives from each grade will serve on the council. The vice president is elected to serve their junior year and then automatically becomes president their senior year. STUCO is responsible for hosting both homecoming celebrations and dances. They are also responsible for the Veteran's Day Assembly. In addition, they help with other activities around campus as needed. STUCO members are held to a higher standard and truancy or repeated trips to ISS will result in the members' removal from the council.

COUNSELING SERVICES

The counseling staff uses the Missouri Comprehensive Guidance Program as a model for developing services for all students. The following will give students and parents an idea of the areas in which counselors assist:

- A. Career Planning and Exploration
 - 1. Planning high school courses
 - 2. Selecting from the six Career Pathways
 - 3. Exploring individual interests and abilities
 - 4. Exploring various careers
 - 5. Making decisions about post-secondary education and training
- B. Knowledge of Self and Others
 - 1. Handling personal difficulties
 - 2. Understanding and getting along with others
 - 3. Understanding the importance of a healthy lifestyle
- C. Educational and Vocational Development
 - 1. Improving learning and study skills
 - 2. Making decisions
 - 3. Preparing for and finding a job

The Counseling Office at Marionville High School has a variety of resources to assist students in planning for the future. Information about admissions to vocational/technical schools, four-year colleges and universities, financial aid and scholarship opportunities, testing, etc. is available to the students. Students and parents are encouraged to use any and all of these resources.

TESTING

ACT

This is a college entrance exam available for all students but recommended for juniors and seniors. Most Missouri colleges and universities prefer this test. It may be taken as often as the student chooses. The test is given at area schools on Saturdays during the months of September, October, December, February, April and June. These dates and applications for the test may be obtained from the counselor. The fee for the ACT is the responsibility of the student; however fee waivers are available if you qualify. All Juniors will take the ACT on a statewide testing date during the school year. This test will be free to students.

SAT

This is a college entrance exam available to juniors and seniors. Many out-of-state colleges and universities may require this test. Check the requirements of the institution you are planning to attend.

PLAN

This is an exam given to sophomores in the spring of each year. It is a pre-ACT exam. It also includes an interest inventory.

PSAT

A practice college entrance exam for juniors and qualifying test for the National Merit Scholarship Qualifying Test. Sophomores may take the exam as a practice test. It is a pre-SAT exam. Students must sign up and pay for this optional exam.

ASVAB

The ASVAB is administered to juniors in the fall. This test is a multi-aptitude test battery that is designed to measure your knowledge in the areas of General Science, Paragraph Comprehension, Word Knowledge, Arithmetic Reasoning, Auto and Shop Information, Mechanical Comprehension, Mathematics Knowledge and Electronic Information. The results of this test give students an opportunity to look into some careers that they already possess a natural ability for.

COURSE DESCRIPTIONS

English

* Requirement
+Weighted

English I*

Grade Level: 9th
Prerequisite: None

Course Term: 2 Semesters
Credit: 1 Unit

This is an introductory English course for high school freshmen. Students will review basic grammar rules and concepts and expand on their current understanding of the mechanics of the English language. Students will engage in a variety of reading and writing activities to further develop their reading, writing, speaking, and analytical thinking skills.

English II*

Grade Level: 10th
Prerequisite: English 1

Course Term: 2 Semesters
Credit: 1 Unit

This course will allow students to gain understanding of various literary perspectives and will further develop students' writing, speaking, reading, and analytical thinking skills through readings, group work, independent practice, class discussions, presentations, and writing assignments. Students in this course will complete at least two novel studies and write essays, including a literary analysis and a research paper.

English III*- American Literature

Grade Level: 11th
Prerequisite: English I & II

Course Term: 2 Semesters
Credit: 1 Unit

The purpose of this course is to explore the many different time periods and authors of American literature, along with pieces that explore across cultures. The students will be presented with different themes that help reveal the history of American literature, as well as how literature of other cultures has influenced it. This course will also help students better understand events in our nation's past and why these events occurred. Students will explore universal themes, author's purpose, figurative language, and other literary devices. Students will be required to complete vast amounts of reading assignments (small group, whole class, and independently), writing activities, and grammar lessons.

+Advanced English III

Grade Level: 11th
Prerequisite: Teacher Approval & 3.0 GPA
Weighted Course

Course Term: 2 Semesters
Credit: 1 Unit

The purpose of this course is both to explore American Literature throughout history up to the present and to prepare students for the rigor of essay writing in College Prep-English IV. Students will be presented with different themes that help reveal the history of American Literature and to better understand events in our nation's past. They will also be presented with more rigorous writing assignments, from personal narratives to research writing. Students will learn basic MLA formatting and research methods to help them succeed in both senior English and college. Students will be required to complete vast amounts of reading assignments, writing activities, and grammar lessons.

English IV

Grade Level: 12th

Course Term: 2 Semesters

Prerequisite: English I, II, and III

Credit: 1 Unit

This course will explore many different aspects of literature, focusing a good portion on British literature, but incorporating others, as well as small group and independent reading. The course will also focus on many different aspects of writing, from practical writing, like resumes and cover letters, to essay and research writing. There will be a portion of time spent on grammar as it pertains to vital communication skills in any workplace. Students will master a variety of communication skills from listening and speaking to writing.

+College English

Grade Level: 12th

Course Term: 2 Semesters

Prerequisite: B or better in English III & teacher approval

Credit: 1 Unit

Weighted Course

This course is designed to provide the student who has the desire to continue his or her formal education beyond high school the opportunity to develop the skills necessary for postsecondary success. Emphasis will be placed on developing advanced writing skills so the students will be successful writers in college. Some emphasis will be put on literature, which will include reading pieces throughout the evolution of our language, from Beowulf to present. Throughout the year, though, the biggest portion will focus on writing, from reader response to research papers to personal narratives and beyond. Students will master MLA format and get a brief introduction to other forms. There will be a small amount of time spent on specific grammar units, but grammar will be mastered through the form of essay writing, editing, and revising through the year. This course is ESSENTIAL for the student planning to attend college.

Creative Writing

Grade level: 10-12

Course term: 1 semester

Prerequisite: English I

Credit: ½ unit

Come ready to WRITE and share. We will stretch and hone our skills in memoir writing, personal narrative, short stories, poetry, children's books, and more. Students will

collaborate and work independently as we practice the writing process in fun, creative assignments. Students will have opportunity to prepare and submit pieces of writing for the LAD fair.

Psychology in Literature

Grade level: 10-12

Prerequisite: English I

Course term: 1 semester

Credit: ½ unit

Let's go Mentalist, shall we? Students will interact with a variety of (disturbed) authors and (weird/dark) texts through a psychological lens. We will discuss common mental health issues relating to teens. Beware: class may result in better self-awareness. We will also participate in group team-building activities.

SOCIAL STUDIES

* Requirement

+ Weighted

World History*

Grade Level: 10th

Course Term: 2 Semesters

Credit: 1 Unit

In this course, students will develop an understanding of the beginnings of the World's History as well as a concept of chronology and the development of political, social, and economic institutions pivotal in World History. Students will study the following pivotal

periods of World History: The Dawn of Civilization, The Growth of Civilizations, Medieval Europe, Changes in European Society, and the Contemporary World.

Government

Grade Level: 11

Course Term: 2 semesters

Credit: 1 full credit

In this course, a study of Citizenship and the National Government will be emphasized. Students will participate in a detailed study of the Constitution of the United States and the Constitution of the State of Missouri. The student will study the following specific aspects of our government.

- v Foundations of American Citizenship
- v The Individual and Society
- v The National Government
- v The American Legal System

Character and Leadership

Grade Level: 9-12

Course Term: 1 semester

Credit: 1/2 unit

Character and Leadership is a semester-long course designed to be meaningful to your life. The goal of this course is to motivate you to become a stronger individual today and a better leader tomorrow. Through this course, you will develop personal core values, time management techniques, accountability, and many other things. The ultimate goal is to help you become more successful in school, relationships, career, life, and simply to develop an attitude in which you strive to be a little bit better each day.

American History

Grade Level: 12

Course Term: 2 semesters

Credit: 1 full credit

This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War.

MATHEMATICS

* Requirement
+ Weighted

Algebra A

Grade Level: 9th

Course Term: 2 Semesters
Credit: 1 Unit

This course is designed to give extra training and build confidence in students who wish to have more time covering the topics in Algebra I. The basic units of instruction include the real number system, variables, expressions and equations, and a unit on graphs.

Algebra I

Grade Level: 9th – 12th

Course Term: 2 Semesters
Credit: 1 Unit

Algebra I is a comprehensive course covering all topics necessary for an adequate foundation for future classes mathematics. Upon completion of this course the student will reinforce previous mathematical experiences and develop skills by studying the real number system, linear equations and inequalities, quadratic equations, exponential equations, operations with polynomials, and statistics.

Geometry

Grade Level: 9th-12th

Course Term: 2 Semesters
Credit: 1 Unit

Prerequisite: Satisfactory completion of Algebra I or teacher recommendation.

Geometry has a balance of theory and application. Concepts of space geometry are combined with plane geometry. The course also reviews coordinate geometry and trigonometry. Algebra skills are practiced and strengthened through application to solving problems.

Algebra II

Grade Level: 10th-12th

Course Term: 2 Semesters
Credit: 1 Unit

Prerequisite: Satisfactory completion of Algebra I and Geometry

Algebra II emphasizes accuracy as well as correct application of theory. The course includes the real number system, graphs, functions, polynomials, factoring, rational expressions, quadratic formula, circles, and logarithmic functions.

+Advanced Math and Trigonometry

Grade Level: 11th-12th

Course Term: 2 Semesters
Credit: 1 unit

Weighted Course

Prerequisite: Satisfactory completion of Geometry and Algebra II

This course reviews real numbers, coordinate systems and graphs in two dimensions along with quadratic, polynomial, rational and radical equations. Trigonometric functions

are defined. Trigonometric identities, trigonometric equations and applications of circular functions are stressed. Topics included will challenge the student to use an analytical approach to problem solving.

+College Algebra

Grade Level: 12th

Course Term: 1 Semester

Weighted Course

Credit: 1/2 Unit

Prerequisite: Satisfactory completion of Algebra II and Trig/Math Analysis

*Teacher approval and a B or higher in Algebra II is required without Trig/Math Analysis

This class will be taught as an online class through Drury University. A study of functions and graphs, solutions of equations and inequalities and the properties of polynomial, rational, exponential, and logarithmic functions.

+Applied Statistics

Grade Level: 11 & 12

Course Term: 1 semester

Weighted Course

Credit: ½ Unit

Prerequisite: Satisfactory completion of Algebra II with C or better

Applied Statistics is a semester course designed to introduce the methods of applied statistics used in the sciences, allied health fields, and education. Emphasis is given to basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. After completing this course, students will know the basic terms, concepts, principles, methods, and perspectives of statistics.

SCIENCE

* Requirement

+ Weighted

Physical Science*

Grade Level: 9th

Course Term: 2 Semesters

Credit: 1 Unit

This course introduces students to the physical aspects of our environments. Students study matter and energy and its interrelationships by using methods of inquiry. As the student acquires knowledge of the atom, matter and the changes it undergoes, electricity, magnetism, electromagnetism, energy sources and machines they will also develop laboratory skills. The relationships of the many areas of science studied are emphasized with respect to how they affect our environment.

Biology*

Grade Level: 10th-12th

Course Term: 2 Semesters

Prerequisites: Physical Science

Credit: 1 Unit

Biology is a comprehensive study of life from the single cell organisms to the multi-cellular organisms. Themes that will be explored are scientific inquiry, chemistry of life, structure and function, processes of life, reproduction and inheritance, ecology, development, and science in society. We will emphasize the application of Biological concepts to everyday life. In Class activities include lectures, laboratory investigations, and opportunities for personal research while online assignments will also be utilized through the class website. This course of study will help students develop an understanding of all life forms, develop sound scientific reasoning, organizational skills, and become more familiar with biology in everyday life.

Biology II

Grade Level: 11th-12th

Course Term: 2 semesters

Prerequisites: BIO I (2 semesters)

Credit: 1 Unit

This course expands the students' knowledge of basic biological concepts. Themes that will be explored are scientific inquiry, chemistry of life, cell structure and function, bacteria, viruses, fungi, plant diversity and all phyla of the animal kingdom including dissections of different phyla and classes. This will allow for anatomy and physiology of invertebrates and vertebrates. Students are given solid information they need to understand the expanding role of biology in modern society and skills to excel in our ever-changing society. Biology II students will be responsible for class assignments and online assignments through the use of the class website

Human Anatomy/Physiology

Grade Level: 11th-12th

Course Term: 2 semester

Prerequisites: Biology I (2 semesters)

Credit: 1 unit

The major conceptual themes, which will be emphasized during this course, are the relationships between structure and function of the human body systems. Students will gain an understanding of each system and how the functions of all 11 body systems allow for the whole human body to function properly. In class assignments will include notes, written assignments, presentations, and the influence of society on the science of the human body. Students will be responsible for class assignments by utilizing the class website.

+Chemistry

Grade Level: 11th-12th

Course Term: 2 Semesters

Prerequisites: C or better in Algebra 1 & teacher approval Credit: 1 Unit

This course will seek to increase the students' understanding of basic chemical reactions, nomenclature and phenomena, scientific reasoning and vocabulary, and develop skills and safety in a chemistry laboratory. The students will explore the nature of matter, its properties and transformation, through laboratory experiments, various activities, lectures and personal research. Students will have opportunities to experience hands-on learning during laboratory experiments that correlate with classroom material. Students will also write formal research papers on scientific topics.

+College Biology

Grade Level: 11th-12th
 Weighted Course

Course Term: 2 Semesters
 Credit: 1 Unit

Prerequisites: C or better in Physical Science, Biology I & Teacher Approval
 College Biology is an exploration of the natural world beginning with the study of the fundamental building blocks of matter. The course builds on these concepts and applies them to biological molecules, which in turn is used to explore the cell, the plasma membrane, energy and its transformations. This course also explores genetics, cell division and biotechnology. Students will also write formal research papers on scientific topics.

+Physics

Grade Level: 11th-12th
 Weighted Course

Course Term: 2 Semesters
 Credit: 1 Unit

Prerequisites: C or better in Biology 1 & teacher approval

Physics is a problem solving course. Students will learn the properties of matter and the forces that affect it, problem solving skills and critical thinking skills while using hands-on experimentation techniques. Units include, but are not limited to, simple motion, velocity and acceleration, vectors, forces, gravity, and Newton's laws of motion. Students will have opportunities to experience hands-on learning during laboratory experiments that correlate with classroom material. Mathematical skills should be proficient. Students will also have the opportunity to design, and conduct physics based projects. Students will also write formal research papers on scientific topics.

PHYSICAL EDUCATION AND HEALTH

* Requirement

Physical Education*

Grade Level: 9th-12th
 Required Course

Course Term: 2 Semesters
 Credit: 1 Unit

This course is designed to provide students with general skills and knowledge in a variety of sports, fitness training, and lifetime activities. The Course will consist of daily aerobic and anaerobic exercises, activities, and games. Sample units include flag football, basketball, volleyball, archery, and yoga. This course may be taken ONE time during your high school career.

Dress: Students enrolled in physical education course are required to bring a change of clothing in order to participate in class activities. Dress includes athletic shorts or sweatpants, t-shirt or long sleeve shirt, socks, and soft soled shoes.

Weights

Grade Level: 9th-12th

Course Term: 1 Semester

Elective Course

Credit: ½ Unit

Instructor Permission Required

This course is aimed at the athlete who is participating in extracurricular sports. The purpose of the course is to provide support and training in the development of personal fitness plan. The student will develop muscular strength, speed, agility, flexibility, and an appreciation for a healthy lifestyle. The student will participate in a variety of activities; sprints, weight training, rhythmic activities, and activities for prevention of injury or treatment of injuries. This course **does not** fulfill the physical education requirement.

Dress: Students enrolled in weights course are required to bring a change of clothing in order to participate in class activities. Dress includes athletic shorts or sweatpants, t-shirt or long sleeve shirt, socks, and soft soled shoes.

Lifetime Activities

Grade Level: 11th-12th

Course Term: 1 Semester

Elective Course

Credit: 1 Unit

This course emphasizes various units of life-time activities. Bowling, golf, card games, fishing, tennis and badminton are examples of units that may be included in the semester. This course **does not** fulfill the physical education requirement.

Dress: Students enrolled in lifetime activities course are required to bring a change of clothing in order to participate in class activities. Dress includes athletic shorts or sweatpants, t-shirt or long sleeve shirt, socks, and soft soled shoes.

Health*

Grade Level: 9th-12th

Course Term: 1 Semester

Required Course

Credit: ½ Unit

Topics will include the physical, mental and social well-being of the individual through the life cycle, communicable diseases, reproduction, health education, drug awareness and education and fitness and nutrition education. Activities include field trips as well as guest lecturers.

FINE ARTS

ART I

Grade Level: 9th-12th
 Elective Course
 Prerequisite: None

Course Term: 2 Semesters
 Credit: 1 Unit
 Studio Class

Students in Art I will examine the elements and principles of art and the four steps in art criticism while providing the student with opportunities for creativity and self-expression. We will create several projects based on the Elements and Principles of Design. Units of study will be project based and are designed with three goals in mind.

1. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
2. To encourage creativity and originality.
3. To develop an understanding of the Elements of Art and the Principles of Design.

ART 2

Grade Level: 10th-12th
 Elective Course
 Prerequisites: Art I or approval

Course Term: 2 Semesters
 Credit: 1 Unit
 Studio Class

Art II is an advanced art class that focuses on the perceptual skills required in drawing and painting as well as 3-dimensional media. Processes with a variety of drawing, painting and 3-dimensional media will be emphasized. The purpose of this class is to advance skills and knowledge of the fine arts. Units of study will be designed with three goals in mind.

1. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
2. To encourage creativity and originality.
3. To develop an understanding of the Elements of Art and the Principles of Design.

ART 3

Grade Level: 10th-12th
 Elective Course
 Prerequisites: Art 2 or approval

Course Term: 2 Semesters
 Credit: 1 Unit
 Studio Class

Art 3 is a further continuation of Art 2 advanced art class that focuses on the perceptual skills required in drawing and painting as well as 3-dimensional media. Processes with a variety of drawing, painting and 3-dimensional media will be emphasized. The purpose of this class is to advance skills and knowledge of the fine arts. Units of study will be designed with three goals in mind.

4. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
5. To encourage creativity and originality.
6. To develop an understanding of the Elements of Art and the Principles of Design.

2-Dimensional Art

Grade Level: 10th-12th
 Elective Course
 Prerequisite: Art II or approval

Course Term: 1 Semester
 Credit: ½ Unit
 Studio Class

2-Dimensional Art is a one semester course that focuses on the visual arts. The semester will be a study of 2-Dimensional Art including drawing, painting and other 2-dimensional media, as well as artists and styles, materials, and uses. Units of study will be designed with three goals in mind.

1. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
2. To encourage creativity and originality.
3. To develop an understanding of advanced painting techniques and material.

2-Dimensional Advanced Art

Grade Level: 10th-12th
 Elective Course
 Prerequisite: 2-Dimensional Art

Course Term: 1 Semester
 Credit: ½ Unit
 Studio Class

2-Dimensional Advanced Art is a continuation of 2-Dimensional Art and is a one semester course that focuses on the visual arts. The semester will be a study of 2-Dimensional Art including drawing, painting and other 2-dimensional media, as well as artists and styles, materials, and uses. Units of study will be designed with three goals in mind.

4. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
5. To encourage creativity and originality.
6. To develop an understanding of advanced painting techniques and material.

3-Dimensional Art

Grade Level: 10th-12th
 Elective Course
 Prerequisites: Art II or approval

Course Term: 1 Semester
 Credit: ½ Unit
 Studio Class

3-Dimensional Art is a one semester course that focuses on the visual arts. The semester will be a study of 3-Dimensional Art including ceramics, sculpture and other 3-dimensional media, as well as artists and styles, materials, and uses. Units of study will be designed with three goals in mind.

1. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
2. To encourage creativity and originality.
3. To develop an understanding of ceramic techniques and materials.

3-Dimensional Advanced Art

Grade Level: 10th-12th
 Elective Course
 Prerequisites: 3-Dimensional Art

Course Term: 1 Semester
 Credit: ½ Unit
 Studio Class

3-Dimensional Advanced Art is a continuation of 3-Dimensional Art and is a one semester course that focuses on the visual arts. The semester will be a study of 3-Dimensional Art including ceramics, sculpture and other 3-dimensional media, as well as artists and styles, materials, and uses. Units of study will be designed with three goals in mind.

1. To foster an understanding of and appreciation for art, the issues of production, history, criticism, and aesthetics.
2. To encourage creativity and originality.
3. To develop an understanding of ceramic techniques and materials.

ART HISTORY

Grade Level: 9th–12th
 Elective Course
 Prerequisite:

Course Term: 1 Semester
 Credit: ½ Unit
 Textbook, Non-Studio Class

Art History is a chronological survey of the history of major art forms in the western tradition, in addition to selected works from many cultures that exist beyond European tradition. Sequential presentation of the artwork studied in the course begins in the prehistoric period and ends with postmodernism. This is a non-studio class with most work being textbook related, however students will be required to create art related to areas studied. Can be taken as a year or semester class.

BAND

Grade level: 7th-12th
 Prerequisite: Permission Required

Course Term: 1 Year
 Credit: 1 Unit

The Band will participate in MHS football and basketball games, local and regional parades, and other Conference, District and State festivals and competitions throughout the year. Students will be encouraged to prepare for Solo and Ensemble competitions at the Conference, District and State levels. *Students should be prepared to perform outside of the school day and these performances will constitute a significant portion of the student's grade.*

MUSIC APPRECIATION

Grade level: 9-12
 Prerequisite: None Required

Course Term: 1 or 2 Semesters
 Credit: ½ unit or 1 unit

Students will gain an appreciation of music through several different approaches. Much of this class will be devoted to music listening and writing about music. Students will explore the Music Appreciation textbook by participating in several major projects and

presentations. *These projects and presentations will constitute a significant portion of the student's grade.* Topics to be explored include composers and other musicians, music history, musicals and operas.

CHOIR

Grade Level: 9-12

Course Term: 1 or 2 Semesters

Prerequisite: Permission Required

Credit: ½ unit or 1 unit

Concert Choir (Fall Semester): Focus will be on several Concert Performances. These include but are not limited to the following: November Veteran's Day Assembly, the Christmas/Holiday Concerts at both the school and Manor, and other possible performances such as singing the Star Spangled Banner for home MHS Basketball Games. Beginning in August, the majority of rehearsals will focus on preparing for these concerts and performances. *Some of these Concerts will be outside of school hours and will be for a grade.*

Festival Choir (Spring Semester): Focus will be on several MSHSAA Festivals. These include but are not limited to the following: District Solo and Ensemble Festival, Large Group (Choir) Festival, and State Vocal Festival. These are adjudicated festivals and will be for a rating. Students will also prepare for the annual Spring Concerts at both the school and the Manor, along with possible performances of the Star Spangled Banner at home MHS Basketball Games. Beginning in January, the majority of rehearsals will focus on preparing for these festivals and performances. *Some of these performances will be outside of school hours and will be for a grade.*

PRACTICAL ARTS

* Requirement
+ Weighted

Business Courses

Accounting I

Grade Level: 11th -12th

Course Term: 1 Semester

Credit: ½ Unit

***May be taken for articulated college credit through OTC if criteria is met for class.**

This course will give students a basic background of the accounting procedures used to operate a business. Students will also be better prepared for office employment, financial management, and further business study after high school. Students will be able to define and use common accounting terminology and concepts, complete the accounting cycle, outline banking procedures, maintain financial records personally and professionally, calculate payroll for a company, complete the accounting equation, and maintain computerized accounting systems.

Business Communication

Grade Level: 9th - 10th

Course Term: 1 Semester

Credit: ½ Unit

This course provides reinforcement of students' basic language art skills (composition, grammar, spelling, punctuation, etc.) and development of essential competencies for oral and written communication in today's technological workplaces. Emphasis is placed on using the computer to compose and produce accurate and effective documents (including messages, letters, memos, reports, etc.) for personal and professional purposes. Using technology (presentation software and telecommunications) to develop oral communication skills such as making presentation, giving instructions, interviewing, and making reports in an effective manner is reinforced in this course.

Business and Personal Law

Grade Level: 9th – 12th

Course Term: 1 Semester

Credit: ½ Unit

This course will help students become problem-solvers in legal situations, recognize and avoid legal problems, and develop the ability to intelligently work with an attorney. Course topics include: a study of the US court system, famous trials, ethics, constitutional rights, contracts, marriage and divorce, homeownership, insurance, property, criminal law, personal injury law, discrimination law, and consumer protection.

Computers I 9th -10th
Computers II 9th -12th

Course Term: 1 Semester each
Credit: ½ Unit each

*Must take Computer I before taking Computer II
 These courses will instill the skills students need to make practical use of computer technology in their personal and professional lives. The course objectives for the student are to demonstrate correct keyboarding techniques, identify computer hardware components, use the Microsoft Office program to create word processing documents, databases, spreadsheets, and presentations, identify major uses of the Internet, create web pages, sample new technological devices, and apply the skills learned in real world simulations. Students will perform hands-on activities using the MS Office Suite (Word, Excel, Access and PowerPoint), Windows operating system, and the Internet. They will learn to operate a computer with efficiency and ease.

Desktop Publishing/Graphic Arts

Grade Level: 10th - 12th

Course Term: 1 Year

Prerequisite: Computer I

Credit: 1 Unit

This course is designed to teach students how to develop proficiency in using graphic arts/desktop publishing software to create a variety of business publication such as flyers, brochures, newsletters, etc.

Introduction to Business

Grade Level: 9th-12th

Course Term: 1 Semester

Credit: ½ Unit

This course provides an overview of business and the role that business plays in economic, social, and political environments. In addition, it will provide students exposure to the functional areas of business such as management, international business cultures, economics, business operations, marketing, human resources, finance, career planning, goods and services, and technology. There will be opportunities throughout the course to discuss current and past events in business as they apply to the topics being covered.

Mass Media/Yearbook

Grade Level: 10th – 12th

Course Term: 1 Year

Credit: 1 Unit

This course is designed to teach students the basic fundamentals of using desktop publishing, writing articles for print, graphic design, and photography. Through this process, the students will produce yearbooks for the school. **Teacher permission and an application is required!**

Personal Finance*

Grade Level: 11th – 12th

Course Term: 1 Semester

Credit: ½ Unit

***May be taken for articulated college credit through OTC if criteria is met for class.**

This course will equip students with knowledge, strategies, and skills for managing their finances as they become adults in society. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. Topics covered in the class include: income, money management, spending, credit, saving, and investing.

Sports and Entertainment Management

Grade Level: 9th - 12th

Course Term: 1 Semester

Credit: ½ Unit

An instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events, or business primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time.

Web Design

Grade Level 10th - 12th

Course Term: 1 Semester

Prerequisite: Computer I

Credit: ½ Unit

This course deals with the use of Web programming languages (HTML, Javascript, etc.) graphics applications, and other Web authoring tools to design, edit, launch, and maintain Websites and pages. Such topics as Internet theory, Web page standards, Web design elements, user interfaces, special effects, navigation, and emerging Web technologies will be included.

Family and Consumer Sciences Courses

CAREER DEVELOPMENT & ENTREPRENEURSHIP

Grade Level: 9-12

Course Term: 2 Semesters

Elective Course

Credit: 1 Unit

This course focuses on how individuals develop and function in family, work, and community settings and how they relate to their physical, social, emotional, and intellectual environments. Students: a) learn about personal growth and leadership; b) explore work, jobs, and career related to family consumer sciences and human services; c) solve problems impacting the work of the family; and d) make decisions that support and strengthen the integration of multiple roles/responsibilities of individuals, family, career and community. Completion of this class satisfies the practical arts requirement necessary for high school graduation.

CAREER PATHWAYS FOR THE TEACHING PROFESSION

Grade Level: 11-12

Course Term: 1 Semester

Elective Course

Credit: ½ Unit

A program that focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. Instructor must have a certificate that includes grades 9-12. This program requires a two-day curriculum training provided by the Family Consumer Sciences and Human Services Section, Missouri Department of Elementary and Secondary Education.

PRACTICUM IN TEACHING PATHWAY

Grade Level: 11-12

Course Term: 1 Semester

Elective Course

Credit: ½ Unit

The pre-professional teaching practicum is the second part of a two-credit program designed to attract capable young people to the teaching profession through a challenging introduction to teaching. Career Pathways for the Teaching Profession is a pre-requisite for this course and related courses. A manual with sample documents to implement the course is available as a guide for instructors teaching the practicum. Instructor training is available and required prior to implementing the program.

CHILD DEVELOPMENT I

Grade Level: 10-12

Course Term: 1 Semester

Elective Course

Credit: 1/2 Unit

This course focuses on the intellectual, social, emotional, and biological development of children. It includes instruction in parent-child relations, parenting practices, special needs of children, parental and environmental influences on child development, external

support services, and related public policy issues.

CHILD DEVELOPMENT II

Grade Level: 10-12

Elective Course

Course Term: 1 Semester

Credit: ½ Unit

This course provides advanced study in child development and guidance, including the physical, social, and intellectual development of children. Actual experience in supervising children provides the opportunity to improve parenting skills, explore careers related to child development, and identify general employment skills. (Prerequisite: Child Development I)

NUTRITION AND WELLNESS

Grade Level: 10-12

Elective Course

Course Term: 1 Semester

Credit: ½ Unit

This course prepares individuals to understand the principles of nutrition; the relationship of nutrition to health and wellness; the selection, preparation, and care of food; meal management to meet individual and family food needs and patterns of living; food economics and ecology; optimal use of the food dollar; understanding and promoting nutritional knowledge; and application of related math and science skills.

PERSONAL FINANCE

Grade Level: 11-12

Required Course for Graduation

Course Term: 1 Semester

Credit: ½ Unit

This course focuses on helping students: 1) be knowledgeable, educated and informed on issues of managing money and assets, banking, investments, credit, insurance, and taxes; 2) understand the basic concepts underlying the management of money and assets (e.g. the time value of money in investments and the pooling of risks in insurance); and 3) using that knowledge and understanding to plan and implement financial decisions.

Agricultural Education

Agricultural Science I

Grade Level: 9th-12th

Prerequisite: None

Course Term: 2 Semesters

Credit: 1 Unit

A course designed for instruction in animal science, agricultural mechanics, careers, leadership, supervised agricultural experience and record keeping. Units may include agribusiness, fish and wildlife management, and food science. Students are introduced to the breeds, selection and management of various species of domestic livestock.

Students become familiar with record-keeping, leadership skills, knowledge and history of the FFA organization. Shop safety and arc welding are also introduced. Students will develop an SAE project and will become a member of the FFA. Students will be challenged academically, every day. This course will provide a sound background for the agricultural industry.

Agricultural Science II

Grade Level: 10th-12th

Course Term: 2 Semesters

Prerequisite: Agricultural Science I

Credit: 1 Unit

This course is designed for instruction in plant and crop science, soils, entomology, horticulture, and/or forestry, and additional instruction in agricultural mechanics, careers, leadership, and supervised agricultural experience. The student will study field and forage crops, fruit and vegetable production and forest management. Students will develop an SAE project and will become a member of the FFA. This course provides more background for the student who may pursue an agricultural career.

Agricultural Construction I & II

Grade Level: 11th-12th

Course Term: 2 Semesters

Prerequisite: Agricultural Science I & II

Credit: 1 Unit

May be taken for college credit if criteria is met for this class.

These courses utilize welding in the development and construction of major metal shop projects. Each student will learn arc welding, MIG welding and oxyacetylene welding and cutting. Advanced skills in welding and project construction provide students with entry-level agricultural construction skills. Students will develop an SAE project and will become a member of the FFA. This class is currently taught as a dual credit course through Missouri State University and students have the opportunity to earn college credit with a satisfactory classroom performance.

Agricultural Business

Grade Level: 11th-12th

Course Term: 2 Semesters

Prerequisite: Agricultural Science I & II

Credit: 1 Unit

May be taken for college credit if criteria is met for this class.

This course is offered on a rotating basis, and is offered on school years starting with even years ex: 2014-15, 2016-17.

This course is designed for students who have an interest in agriculture and where their food comes from. This course is designed to help students, to better understand how (an agriculturally based) business operates. This course will have a heavy emphasis on physical and financial management of an ag based business, and the related factors need to run a profitable farm, ranch, etc. Students will maintain an SAE project and

become active members of the National FFA Organization. Students are not required to live on a farm or own animals.

Advanced Animal Science

Grade Level 11th-12th

Prerequisite: Agricultural Science I&II

May be taken for college credit if criteria is met for this class.

This course is offered on a rotating basis, and is offered on school years starting with odd years ex: 2015-16, 2017-18.

Course Term: 2 Semesters

Credit: 1 Unit

This course is designed for students who have an interest in agriculture and where their food comes from. This course is designed to provide greater insight on numerous aspects of animal agriculture. Course subjects include studies in animal nutrition, animal reproduction, and herd health management, advanced beef science, advanced dairy science, advanced swine production. This course is designed to provide students with a broader insight of animal agriculture. Students will maintain an SAE project and become active members of the National FFA Organization. Student's are not required to live on a farm or own animals.

FOREIGN LANGUAGE

Rosetta Stone:

Foreign language courses will be offered in an online setting through Rosetta Stone. Students can choose the hour and foreign language that they are interested. 5 languages are available, including: Spanish, French, German, Arabic, Mandarin Chinese.

ACT Prep Courses

Math & Science ACT Prep:

This semester course is designed to help students achieve their goal score on the ACT math and science subsections. Key features of this course will include specific approaches for achieving various levels of scores (22, 26, 30+), a comprehensive

content review for math and science, which specifically will cover the topics most frequently addressed by the ACT, and practice using past ACT test content.

Scott Regional Technical Center (SRTC)

Auto Collision Repair is a two- year program for three credit hours per year. This program is designed to teach all major aspects of the Auto Collision Industry processes as set by I- CAR (Inter- Industry Conference on Auto Collision Repair) as well as to refine skills needed to be successful in the Collision field and related work areas. Whether students go to work or choose to further their education, they will excel because of the knowledge and skills they have obtained in Auto Collision at SRTC. Students have the opportunity to participate as a member of Skills USA, to demonstrate their knowledge of collision repair at local and state contests. *Recommendation: proficiency in standard/metric math skills and reading skills.*

College Credit Opportunity:

Dual Credit - OTC - 8 hours

Articulated Credit - State Technical College (Linn State) - 4 hours

Automotive Technology is a two- year program, which offers study and training in the diagnosis and repair of automobiles. An ASE Master Certified instructor teaches the program. The program consists of study in the areas of brakes, suspension and steering, electrical, engine performance, heating and air conditioning, engines, and power trains. Automotive safety is integrated throughout all phases of the course. Students can earn college credit hours and ASE student certification by enrolling in Automotive Technology. *Recommendation: proficient reading skills.*

College Credit Opportunity:

Dual Credit - Crowder - 4 hours Credit by Exam - Crowder - 17 hours Articulated Credit - OTC - 16 hours

Computer Maintenance and Networking is a two- year course that places emphasis on computer maintenance one year and networking the following year. The class is designed for high school students and adults that can devote two years to complete the course. Students that can only take the course for one year are allowed with the understanding that they will only complete one half of the course depending upon which cycle that the course is in. The course is designed to give the student the knowledge necessary to pass the CompTIA A + and Network + certifications. Students will have the opportunity to assemble PCs from components, troubleshoot, upgrade computers, install and configure operating systems, design networks, install and configure network operating systems, troubleshoot networks, and maintain servers.

College Credit Opportunity:

Credit by Exam - Crowder - 8 hours

Construction Technology is a two- year program, which offers study in residential construction. Study includes training for the job market in all areas of the construction phase. Students participate in the layout of footings and foundations, grade elevations,

plan reading, rough and finish carpentry, and residential wiring. Students can earn OSHA certification. *Recommendation: General Math.*

College Credit Opportunity:

Articulated Credit - OTC - 4 hours Credit by Exam - Crowder - 6 hours

Culinary Arts is a two- year course where the homework tastes great! This course prepares students to enter the hospitality industry or post- secondary education at an above- average level. Culinary arts is a foundation to a great career in the industry. Some career opportunities include chef, baker, cake decorator, salesperson, hotel clerk, and server. Many of the careers require more training at the postsecondary level or on- the- job. Major units of study include: safety and sanitation, food prep, customer service, baking, cake decorating, purchasing, costing, and hotel service. Culinary arts also addresses employability skills, resume writing and leadership skills through SkillsUSA. The students may compete at district, state, and possibly national level in SkillsUSA.

Recommendation: FACS class(es) and Applied Math.

College Credit Opportunity:

Dual Credit - OTC - 3 hours Articulated Credit - OTC - 6 hours

Articulated Credit - Sullivan University - 12 hours

Diesel Technology is for students who are interested in medium and heavy- duty diesels as found in today's transportation industry. This is a two- year program that follows NATEF (National Automotive Technicians Education Foundation) guidelines. Students will spend time in both classroom studies and in the laboratory developing hands- on skills. Live and simulated units will be used for instruction. Students must be interested in heavy- duty equipment repair and have some mechanical aptitude. Students need the ability to work with tools, sophisticated machines, solve problems, troubleshoot and develop professional customer service skills. *Recommendation: proficient reading skills.*

College Credit Opportunity:

Articulated Credit - OTC - 8 hours

Credit by Exam - Crowder - 16 credit hours

Early Childhood Careers is two- year program designed for students who desire to work in careers involving young children and their families. Students will have experiences with preschoolers through the SRTC preschool. Students will be responsible for planning activities that stimulate a child's mental, physical, emotional and social growth. Trainees will learn to provide a safe, healthy and loving environment that

will allow children to explore and develop their natural curiosity and imagination. Students enrolled in the class are required to have TB tests and background checks.
Recommendation: FACS class(es), especially Child Development.

College Credit Opportunity:

Articulated Credit - OTC - 12 hours Credit by Exam - Crowder - 6 hours

Graphic Design is a two-year course designed to prepare students to work in various fields of the graphics industry. This is a course that focuses on the development of visual concepts, basic design principles and elements of visual communications. Emphasis will be on the creative process, typography, color systems, vector artwork, photo editing, document production, and imagery through different forms of communication and by using various software. Students will work on projects associated with the text as well as outside projects as they become available.

Prerequisite Suggestions (Not Required): Computer Applications, Photography, Applied Mathematics, Digital Communications, Art & Design

College Credit Opportunity: 3 Hours Dual & Articulated Credit through OTC

Health Occupations is a one- year program for high school juniors and seniors. This program utilizes knowledge, skill and professional conduct to explore various careers available in the health field. This course provides the student with the opportunity to develop leadership skills, therapeutic communication, basic patient- care skills, problem solving and a successful work ethic, necessary to become a health service assistant. First semester is spent in the classroom and laboratory. Students will develop competency in procedures such as measuring a temperature, pulse, blood pressure, counting respirations, infection control procedures and assisting with activities of daily living. Strong emphasis is placed on medical terminology evidenced by weekly assessments.

Second semester the students will be required to participate in clinical rotations with the emphasis on job placement. The clinical facilities utilized are Lacoba Homes. Cox Monett Hospital and other allied health areas. Rotations will be through diversified health care areas including laboratory, pharmacy, emergency room, labor and delivery, radiology, physical/occupational/speech therapy, acute care hospital, residential/nursing homes, dental and veterinary hospital. Students interested in another aspect of healthcare should consult Mrs. Schmidly.

Recommendation: Biology, and Anatomy and Physiology.

Certifications Available:

Missouri State Certified Nursing Assistant

American Heart Association Basic Life Support for Healthcare Provider

American Heart Association Adult First Aid Certification

College Credit Opportunity:

Dual Credit - Crowder - 7 hours Credit by Exam - Crowder - 7 hours

JROTC (Junior Reserve Officer Training Corps) program is designed to teach high school students the value of citizenship, leadership, community service, personal

responsibility, and a sense of accomplishment, while instilling self-esteem, teamwork, and self-discipline. Also, students will learn personal finance, health and fitness. The focus is reflected in the mission statement, "To motivate young people to be better citizens." Instructors are retired military personnel. JROTC is not a recruitment program for the military. Participation in JROTC incurs no military obligation. However, students choosing to go into the military may have the opportunity of entering at a higher rank after completion of the program. Many scholarship opportunities are available for JROTC students entering college directly after high school. Recommendation: Great for self-esteem, character building, and leadership training

Marketing is the process of creating, pricing, promoting, and selling the products consumers purchase in the marketplace. Marketing provides a competitive edge that is necessary in today's fast paced world. Students will be given the opportunity to gain an appreciation of the role of marketing by operating and promoting the Scotty Store, the campus school store. 2nd year Marketing students can get the opportunity to do an internship for job experience and class credit. Become more successful in your future career by enrolling in Marketing!

If you live in the real world and like to talk about the real world, why not learn about the real world in a great class? Marketing students have the opportunity to experience the Career and Technical Student organization DECA.

DECA is part of an international organization for high school and college students that provide avenues for personal and professional development in the areas of leadership, social skills, and civic consciousness. In DECA you will become a leader, travel, make new friends, develop job skills, earn scholarships, learn about exciting careers such as fashion merchandising, sports marketing, advertising, travel and tourism, hospitality, plus more. But most importantly, you will have fun!

Take Marketing, join DECA and THRIVE!

Recommendation: General Business, Computer Applications and Keyboarding Proficiency.

College Credit Opportunity:
Dual Credit—Crowder
Articulated Credit – OTC

Precision Machining is a two-year program in a rapidly changing field. This course provides instruction and practice in the use of precision measuring tools, blueprints, lathes, milling machines, grinders, and computer numerical controlled machines. Emphasis on setup and operation of machine tools, including the selection and use of work-holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision grinders as well as performing advanced operations of measuring, layout, drilling, sawing, turning, and milling.

Precision Machining is a great program for students interested in Mechanical Engineering, or Industrial Maintenance and Machine Repair. Students also learn the design process as well as make the parts they design.

Metalworking industries are expanding output and adding automatic and computer- controlled machines. This is resulting in less demand for semi- skilled operators and increased demand for more highly skilled machinist, engineers, tool and die makers, jig and fixture builders, tool grinders, CNC technicians and quality control inspectors. For those who have acquired a thorough background in machining operations, blueprint reading, design, math and a working knowledge of the properties of metals, the job outlook is promising. *Recommendations: Algebra and Industrial Technology.*

College Credit Opportunity:

Articulated Credit - OTC - 4 hours Articulated Credit - MSSU - 9 hours
Articulated Credit - State Technical College (Linn State) - 7 credit hours

Welding Technology is a two- year program designed to advance the science, technology and application of the welding industry. The welding industry offers excellent opportunities for highly skilled technicians. The national outlook shows a severe shortage due to the retiring workforce. The course provides training recognized by the American Welding Society (AWS). The program is an AWS Schools Excelling through National Skill Standards Education (SENSE) participating educational institution, which offers students enrolled to attain a nationally recognized certification upon successful completion. The course offers study in Occupational Orientation, Safety and Health, Drawing and Welding Symbol Interpretation, Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Cored Arc Welding, Gas Tungsten Arc Welding, Thermal Cutting Process, and Welding Inspection and Testing. Students have the opportunity to become an AWS Certified Welder and a member of the SRTC AWS Student Chapter of the American Welding Society, which will include membership of AWS District 17- Section 136/Ozark section. *Recommendation: applied math and science.*

College Credit Opportunity:

Dual Credit - Crowder - 12 hours Articulated Credit - OTC - 16 hours Credit by Exam - Crowder - 12 hours

Work Experience Program is available to students with IEPs grade 9 through age 21. To participate, students must be referred by their IEP team, and complete an application and interview. Students may participate in career exploration, job shadowing or Coop.

Job shadow students earn elective credit by doing hands-on work in real work settings. They are not paid. While job shadowing, students learn job skills, work behavior, social skills and communication skills. Excellent attendance, a positive attitude, appropriate dress and good hygiene are required. Job sites are selected based on a student's interests, career goals and abilities, and site availability. Opportunities may include childcare, elder care, food service, automotive, custodial, laundry, greenhouse, retail, sheltered employment or grocery.

One day each week students attend Getting and Keeping a Job class at SRTC. Co-op students are employed and earn both a paycheck from their employer and high school credit. Co-op students must have a job and demonstrate the ability to keep it. They are released from school to go to work.

College Credits Available at SRTC

By attending Scott Regional Technology Center, many students become eligible to receive FREE college credit or college credit at a REDUCED rate! The following options are available for college credit:

Articulated Credit is college credit earned during high school that will be applied to a student's college transcript once they attend that college for at least one semester.

Many SRTC classes have articulated credit with several colleges and universities.

Credit by Exam—Crowder College offers high school students college credit upon passing an 'end of course exam'. The student must attend Crowder a full semester and pay \$50 per course to receive transcribed credit. Most SRTC classes have this option.

Dual Credit means the student will receive high school credit and college transcribed credit at the same time. The student will pay a reduced rate to the college. Some SRTC classes have dual credit.

Dual Enrollment offers high school students the opportunity to take college classes at a reduced rate. SRTC is proud to host college classes during the evening hours.

College Partners

SRTC has partnered with the following schools for college credits:

Crowder College

State Technical College (Linn State)

Missouri Southern State University

Ozarks Technical Community College

Pittsburg State University (Individual Student Basis)

Sullivan University