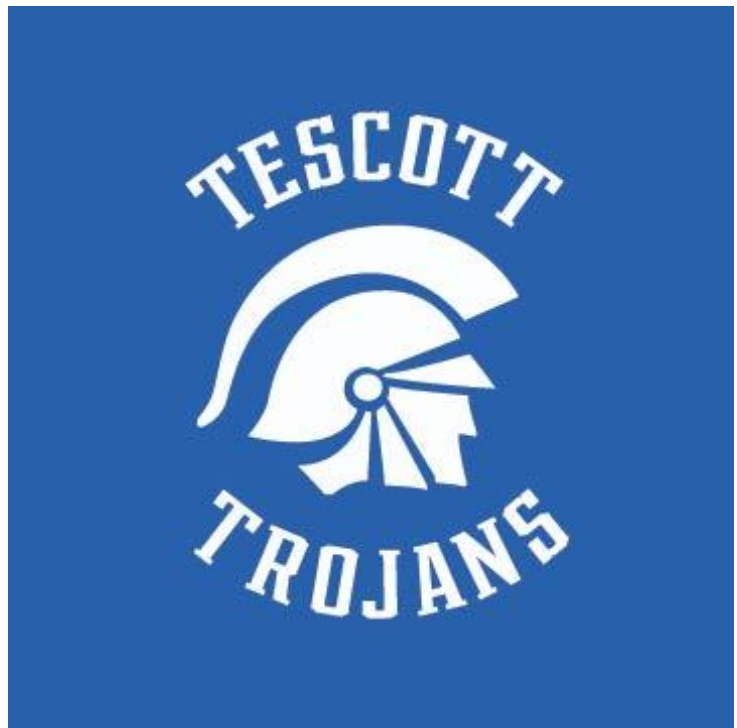


# Twin Valley High Schools

Course Catalog for 2023-2024

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**GRADUATION REQUIREMENTS**

| <b>Subject Area</b>           | <b>Credits</b> | <b>Specific Requirements</b>                                                                                                                              |
|-------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| English                       | 4              | All credits must be earned in English, Composition, and/or Literature                                                                                     |
| Social Studies                | 3              | One credit must be in American History<br>One credit must be in American Government<br>One credit must be in World History, World Geography, or Economics |
| Science                       | 3              | Credits must include Biological and Physical Science                                                                                                      |
| Mathematics                   | 3              | Any three of our math course offerings                                                                                                                    |
| Physical Education/Health     | 1              | One half credit must be Physical Education<br>One half credit must be Health                                                                              |
| Fine Arts                     | 1              | One credit in a Music, Forensics, or Art course.                                                                                                          |
| Personal Finance              | 0.5            | One half credit must be Personal Finance                                                                                                                  |
| Electives                     | 8.5-12.5       | All other classes besides those listed above will be considered elective classes.                                                                         |
| <b>Total Credits Required</b> | <b>28</b>      |                                                                                                                                                           |

**AGRICULTURAL SCIENCES**

Course Title: *Agribusiness Management*

Course Code: 18201 & 18201B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Course Description: Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Course Title: *Agriscience*

Course Code: 18002 & 18002B

Duration: 2 semesters

Grade: 9-10

Credit: 1

Facility: Bennington, Tescott

Course Description: Upon completion of this course, the student will be able to understand the

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importance of agriculture to our economy and society. Understand the benefit of leadership skills gained through FFA to be successful in college and a future career. Students will develop their own supervised agricultural experience program and use computer technology to keep personal and business records on their SAE. Students will explore units in plant and soil science and also in animal science. Students will learn basic cutting and arc welding skills. Students will have the opportunity to participate in career development events offered through FFA.

Course Title: ***Agriculture Welding***

Course Code: 404 & 404B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Description: This is a yearlong class with the emphasis on welding skills first semester and shop projects second semester. Intro to Agriculture is a prerequisite. This course is designed to provide training in plasma cutting, oxyfuel gas cutting and welding, bronze welding, shielded metal arc welding, and gas metal arc welding. Personal protective equipment will be worn at all times in the welding shop. The school will provide welding helmets, but students may bring their own. All skin must be covered when welding. No short sleeves, pants with holes, or threads exposed at the boot line.

Course Title: ***Agriculture Welding II***

Course Code: 407 & 407B

Duration: 2 semesters

Grade: 11-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Description: This is a yearlong class with the emphasis on welding skills first nine weeks and shop projects the next three quarters. Agriculture Welding I is a prerequisite. Tungsten arc welding processes are taught to the Welding II students. The Welding II students will spend the majority of their time developing and constructing welding projects. Personal protective equipment will be worn at all times in the welding shop. The school will provide welding helmets, but students may bring their own. All skin must be covered when welding. No short sleeves, pants with holes, or threads exposed at the boot line.

Course Title: ***Animal Science***

Course Code: 301 & 301B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Course Description: This full-year course will begin with an overview of each animal species with

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the agriculture industry. Further instruction will include a more in-depth look at livestock selection, anatomy and physiology, genetics and reproduction, nutrition, meat science and animal health and diseases. Continued experience in FFA and student SAE projects will be emphasized. Application of biological principles and hands-on experiences will supplement the classroom learning. Opportunities for related field trips and participation in FFA Career Development Events (CDE's) will be presented. The course emphasizes scientific principles that provide application to scientific studies. Students wishing to explore occupations such as veterinarians, nutritionists, meat specialists, livestock producers and feed salesmen should consider enrolling in this course.

Course Title: ***Agriculture Leadership and Communication***

Course Code: 18203

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Objective: Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

Course Title: ***Agricultural Structures***

Course Code: 403 & 403B

Duration: 2 semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon project and materials.

Course Description: This is a yearlong class with emphasis on agricultural building structures. Units will include: fundamentals of electricity, electrical circuit components, electrical safety and grounding, electricity board practice wiring, roofing materials and methods, building framing, rafter and truss construction, basic plumbing, and fundamentals of concrete.

Course Title: ***Biotechnology in Agriculture***

Course Code: 18308 & 18308B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon project and materials.

Course Description: Agricultural Biotechnology courses apply biological principles and understanding to plant and animal science in order to produce or refine agricultural products. Course

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topics typically include but are not limited to microbiology, genetics, growth and reproduction, structural basis of function in living systems, chemistry of living systems, quantitative problem-solving, and data acquisition and display. These courses also often cover the ethics of biotechnology.

Course Title: ***Biotechnical Engineering***

Course Code: 21014 & 21014B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington

Fee: Dependent upon project and materials.

Course Description: Biotechnical Engineering courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics.

Course Title: ***Bioengineering***

Course Code: 21020 & 21020B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington

Fee: Dependent upon project and materials.

Course Description: BioE is a rigorous activity, project, and problem-based course in which students investigate and design solutions to solve real-world challenges related to world food security, renewable energy, and clean drinking water. Students completing BioE will develop an understanding of the scientific and technological foundations for each of the problems. Students apply their knowledge and skills as they use an engineering design process to design and test solutions that help solve these global challenges.

Course Title: ***Food Science***

Course Code: 22203 & 22203B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington

Fee: Dependent upon project and materials.

Course Description: Food Science courses offer opportunities to study the composition, structure, and properties of foods and the chemical changes that occur during the processing, storage, preparation, and consumption of food. These courses often explore the effects of various materials,

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microorganisms, and processes on food products through laboratory experiments.

*\*Course is offered on a rotational basis within the master schedule.*

Course Title: ***Natural Resource Management***

Course Code: 504 & 504B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon project and materials.

Course Description: Natural Resources Management courses combine the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics and uses, such as hunting or fishing preserves, forest production and management, wildlife preservation, and human outdoor recreation.

*\*Course is offered on a rotational basis within the master schedule.*

Course Title: ***Environmental Resources & Wildlife Science***

Course Code: 37506 & 37506B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon project and materials.

Course Description: Courses combine the fields of ecology & conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics & uses, such as hunting or fishing preserves, forest production and management, wildlife ID, production and/or ecosystems management and preservation, and human outdoor recreation.

*\*Course is offered on a rotational basis within the master schedule.*

Course Title: ***Horticulture***

Course Code: 18052 & 18052B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon project and materials.

Course Description: General Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

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**ART**

Course Title: *Art 1*

Course Code: 52

Duration: 1 semester

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Objective: This is an introduction to art with the emphasis on basic art skills in the areas of drawing, painting, graphics, and sculpture. The class will focus on the discipline-based art stages of art productions, and art history.

Course Title: *Art 2*

Course Code: 51

Duration: 2 semester

Prerequisite: Art 1

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Objective: Art II is a more advanced art class using all mediums. It focuses on the discipline-based art education stages of art production, art history, evaluation, and aesthetics.

Course Title: *Art 3*

Course Code: 126

Duration: 2 semester

Prerequisite: Art II

Grades: 9-12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Objective: Art III is an advanced art class that focuses on exploring conceptual art as well as discipline-based stages of production, art history, and graphics.

Course Title: *Advanced Art*

Course Code: 224

Duration: 2 semester



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Prerequisite: Art III

Grade: 12

Credit: 1

Facility: Bennington, Tescott

Fee: Dependent upon projects and materials.

Course Objective: Advanced Art is an accelerated art course dealing with primarily concept driven projects and advanced design techniques. Students will need the knowledge obtained in Art I, Art II, and Art III to succeed in this class.

Course Title: ***Graphic Design***

Course Code: 11154 & 11154B

Duration: 2 Semesters

Prerequisite: Computer Graphics Grade: 11-12

Credit: 1

Facility: Bennington, Tescott (Remote)

Fee: Dependent upon projects and materials.

Course Objective: This course focuses on the processes used in the creation of digital and commercial art. Students will use various computer software to create prototypes of their work.

Course Title: ***Engraving***

Course Code: 12 & 12B

Duration: 2 Semesters

Grade: 11-12

Credit: 1

Facility: Bennington

Enrollment is limited by Instructor approval.

Course Objective: "B-Town Engravers" is a hands-on class that studies the production and the processes of running an engraving business. The class designs and creates engraving projects for several businesses and area schools (including USD 240). In addition to the production of high-quality engraved projects, the class will focus on the business aspects of ordering materials, producing products, maintaining quality control, creating & sending invoices, collecting funds, and utilizing a balance sheet for tracking the progress of the business.

## **BAND**

Course Title: ***Band***

Course Code: 49 & 49B

Duration: 2 Semesters

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Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: The high school band provides each student the opportunity to perform with a band instrument while teaching the art and history of music through performance. The district provides some instruments at a yearly fee of \$25.00. The student must purchase all other instruments as well as proper concert attire and a band t-shirt for all pep band performances. Expenses such as reeds, oil, and instrument cleaning and repairs are the student's responsibility.

During the band period students will learn scales, rhythm, technique, musicality, and other musical necessities while working in a team setting. Students will also learn a wide variety of music while gaining knowledge of their own instrument through the performance process. In the fall, the band will march in parades and at halftime of all home football games. During basketball season, students will be required to perform at all home games.

- Requirements include being present for class each day, performing to your ability, being present for all performances, and maintaining an attitude productive to learning.
- Band trips include the State Fair, large group contest, regional solo and small ensemble contest, state solo and small ensemble contest, and other trips throughout the community.

Course Title: ***Jazz Band***

Course Code: 242 & 242B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington

Prerequisite: Audition/Teacher's permission to join the class

Course Objective: Jazz band is a performing group for those students who seek to explore an advanced level of music other than what is offered in band. The jazz band plays for community events, the school, and performs throughout the fall and spring. The goal of this class is to achieve a high level of playing ability and understanding of a wide variety of jazz music. The class will cover jazz improvisational techniques and the structure, theory, and history of jazz. Students who are interested will audition for seating only and as needed. Though it is not required, it is highly encouraged that students enrolled in jazz band are also enrolled in band to help further their musical skills within the classroom.

Requirements include being present for class each day, performing to your ability, being present for all performances, and maintaining an attitude productive to learning.

## **BUSINESS**

Course Title: ***Accounting 1***

Course Code: 12104 & 12104B

Duration: 2 Semesters

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Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: Students will be introduced to the basic accounting concepts, principles, cycles, and equation. This course will take the students through a sole proprietorship service business and a partnership merchandising business. Working on the day-to-day transactions through the month end accounting. This will help provide them with the skills necessary to proceed further in accounting or to conduct their personal business.

Course Title: ***Accounting II***

Course Code: 12108 & 12108B

Duration: 2 Semesters

Grade: 11-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: Students will develop additional skills to help apply the principles used in accounting systems. They will work on corporations, cost accounting systems, and automated accounting. This class is for those students who wish to work in the area of business.

Course Title: ***Computer Applications***

Course Code: 10004 & 10004B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: This course is designed to help students master beginning skills in the areas of word processing, spreadsheet applications, and presentation software using Microsoft Office Suite while additionally studying computer terminology. By using Microsoft Word, students will apply basic and advanced formatting techniques skills to produce word processing documents, including letters, memos, reports, flyers, and newsletters. They will demonstrate basic skills involving spreadsheet functions, create formulas, charts and tables, and graphs, and manipulate data including AutoFill, and absolute cell. Students will also create presentations using text, visual and/or sound elements; use techniques as slide layout, themes, transitions and animations.

Course Title: ***Computer Graphics***

Course Code: 10202 & 10202B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott (Remote)

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Course Objective: Students will learn to develop projects such as a catalog, newsletter, web page and many others using the applications within the Adobe Suite. These programs include: Photoshop, Indesign, Dreamweaver and Flash. The instruction will be at an introductory level so we have a chance to look at all products.

Course Title: ***Media Technology (Yearbook)***

Course Code: 10249 & 10249B

Duration: 2 Semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: Students will develop the skills needed to put together the school yearbook. They will study the ethical issues involved and the leadership skills necessary to motivate a staff for the entire year. Students will sell ads and raise money to cover the cost of the yearbook. Students are responsible for taking pictures, designing pages, and working with deadlines. With teacher approval.

Course Title: ***Personal Finance***

Course Code: 22210

Duration: 1 Semester

Grade: 11-12

Credit: .5

Facility: Bennington, Tescott

Course Objective: Students will be introduced to skills needed to help them become better consumers. The program will feature Dave Ramsey's Foundations-- which will include but not be limited by: Saving and Investing, Credit and Debt, Financial Responsibility and Money Management and Insurance/Risk Management and Income Careers.

Course Title: ***Banking and Finance***

Course Code: 12101

Duration: 1 Semester

Grade: 11-12

Credit: .5

Facility: Bennington, Tescott (Remote)

Course Objective: Students will be provided with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts, loans, investments, and negotiable instruments.

Course Title: ***Investing***

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Course Code: 12107

Duration: 1 Semester

Grade: 11-12

Credit: .5

Facility: Bennington, Tescott (Remote)

Course Objective: Students will be introduced to the world of investing, with its abundant opportunities and ever-present risk. The focus is on strategies for investing for the long term, as a part of an overall approach to financial planning that will empower young people to take control of their financial futures.

Course Title: ***Business Essentials***

Course Code: 12050

Duration: 1 Semester

Grade: 9-12

Credit: .5

Facility: Bennington, Tescott

Course Objective: This course will introduce students to a variety of information to learn about the various business aspects in our society today. This is a basic business class, which will touch on many areas including but not limited to: Entrepreneurship, Marketing, Economics and Customer Service.

Course Title: ***Particular Topics in Media Technology (IHT)***

Course Code: 10204 & 10204B

Duration: 2 Semesters

Grade: 11-12

Credit: 1

Facility: Bennington

With teacher approval.

Course Objective: Students will be working on projects for the community and school. These will include but are not limited to web pages, brochures, bulletins, and newsletters. Students will be treated as if there were at a job, and there will be no formal classroom instruction.

## **CREDIT RECOVERY**

Course Title: ***Credit Recovery***

Course Code: *Will use the course number for whatever credit is being recovered.*

Duration: Dependent upon the course(s) required by individual student(s).

Grade: 9-12

Prerequisite: Off-track for required credits necessary for graduation.

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Credit: .5/1

Facility: Bennington, Tescott

No fees or required materials. Internet access from home is helpful, but not required.

Course Title: ***Study Skills***

Course Code: 94 & 94B

Duration: 1 Semester (As Needed)

Grade: 9 - 12

Credit: .5/1

Facility: Bennington, Tescott

Course Objective: To meet goals as outlined in students' Individualized Educational Program (IEP), as well as, provide Sp.Ed. labeled students with an opportunity to be successful in the core academic curriculum. Needs are met for each student by providing: organizational skills, study habits, and developing a strong written language skill. This is also a time students in the Sp.Ed. Program for academic rework and providing services for each individual Sp.Ed. student to be successful in their pursuit of education.

## **ENGLISH LANGUAGE ARTS**

Course Title: ***English 1***

Course Code: 24 & 24B

Duration: 2 Semesters

Grade: 9

Credit: 1

Facility: Bennington, Tescott

Course Objective: English 1 provides the basic foundations for the language arts studies: reading, writing, speaking, and listening. This class is built upon the following areas: grammar, the writing process including creative writing, reading and understanding short stories, poetry, and more complex books that are on grade level. Students will develop a more thorough understanding of literary and figurative language skills, as well as increase their vocabulary.

Course Title: ***English 2***

Course Code: 53 & 53B

Duration: 2 semesters

Grade: 10

Credit: 1

Facility: Bennington, Tescott

Course Objective: This course expands on previous English classes. Concepts such as grammar and syntax will be reinforced and polished. Students will study important works of literature, including,

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but not limited to: Shakespeare, American dramatists, poetry, novels, and nonfiction texts. Writing will also be emphasized in the form of daily writing prompts, literary analyses, original poetry, and oral presentations.

Course Title: ***English 3***

Course Code: 25 & 25B

Duration: 2 Semesters

Grade: 11

Credit: 1

Facility: Bennington, Tescott

Course Objective: This class will emphasize continued improvement in the areas of reading comprehension, literary analysis, and written communication skills. The study of American authors will be addressed through short stories, novels, and plays. Written communication will encompass expository essays, literary analysis, and creative writing. Separate studies in vocabulary and daily oral language will continue.

Course Title: ***English 4***

Course Code: 27 & 27B

Duration: 2 Semesters

Grade: 12

Credit: 1

Facility: Bennington, Tescott

Course Objective: This course expands on previous English classes. Concepts such as grammar and syntax will be reinforced and polished. Students will spend one semester studying fiction and one semester studying non-fiction. Students will study important works of literature, including, but not limited to: Shakespeare, American dramatists, poetry, novels. Writing will also be emphasized in the form of daily writing prompts, literary analyses, and oral presentations. In the non-fiction semester, students will research colleges and careers and a non-fiction documentary. Students will write resumes, cover letters, thank you letters, and create presentations over research. They will also participate in a job shadowing day and subsequent presentation for their peers.

Course Title: ***English 4 (Dual Credit Comp 1: Writing Strategies)***

Course Code: 27

Duration: 1 Semester

Grade: 12

Credit: 3 College Credit Hours / .5 High School Credit

Facility: Bennington, Tescott

Prerequisite: There are three ways to gain access to this class: score a 21 or higher on the English portion of the ACT; or with an ACT score of 17-20, you can take an ASSET writing sample test from CCCC and score a 3; or if you have a 2.5 cumulative GPA, you can take the ASSET test from CCCC and score a minimum of 40.

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Credit: 3 College Credit Hours / .5 High School Credit

Course Objective: This concurrent course is an intensive writing lab that focuses on the form and content of essay writing. It utilizes various strategies of rhetorical writing, including research based writing. The process approach to writing will be taught and used for the major assignments. Revision is essential. The text will be determined by CCCC, supplemented by thought-provoking essays and writings from a variety of literary sources. This course is rigorous and demanding with frequent writing and reading assignments of significant literature that require thought and analysis. This course is designed to prepare students for college level academics. In addition to high school credit, students can enroll at the sponsoring college and pay tuition fees to receive three hours of college credit if they earn a final grade of C or above.

Course Title: ***English 4 (Dual Credit Comp 2: Writing Arguments About Literature)***

Course Code: 27B

Duration: 1 Semester

Grade: 12

Prerequisite: Comp 1

Credit: 3 College Credit Hours / .5 High School Credit

Facility: Bennington, Tescott

Course Objective: This concurrent course is designed to expose students to various types of literature and to develop strategies for understanding and evaluating different literary genres. Course content will range from the Shakespearean play to the modern short story and will include an examination of essays and poetry as well. Writing assignments are designed to enhance understanding of stories, themes, archetypes, and genres. Writing assignments include argumentation, literary essays, reading journals, researched essays, and other compositions.. This course is designed to prepare students for college level academics. In addition to high school credit, students can enroll at the sponsoring college and pay tuition fees to receive three hours of college credit if they earn a final grade of C or above.

Course Title: ***Creative Writing 1***

Course Code: 3204

Duration: 1 Semester Each

Grade: 9-12

Credit: .5

Facility: Bennington, Tescott (Remote)

Course Objective: These courses will combine elements of those courses with an emphasis on exploring the concept of a regional and cultural setting through reading and writing. Students enrolling in these classes should be prepared to read a variety of genres and works and write stories and essays that deal with living outside the cities of America.

Course Title: ***Creative Writing 2***

Course Code: 3205



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Duration: 1 Semester Each

Grade: 9-12

Credit: .5

Facility: Bennington, Tescott (Remote)

Course Objective: These courses will combine elements of those courses with an emphasis on exploring the concept of a regional and cultural setting through reading and writing. Students enrolling in these classes should be prepared to read a variety of genres and works and write stories and essays that deal with living outside the cities of America.

Course Title: ***Publications***

Course Code: 168 & 168B

Duration: 2 Semesters

Grade: 10-12

Prerequisite: Completion of English 9 with a B or above and/ or consent of the instructor

Credit: 1

Facility: Bennington, Tescott

Course Objective: This class is designed to feature student writing through a wide variety of journalistic articles, essays, stories, and editorials. Students will design, write, layout, and publish materials in a timely manner to promote school and community awareness of the academic environment in which we operate. Students coming into this class should have strong writing, editing, and proofreading skills and be independently motivated to design and produce quality products for the public.

Course Title: ***Forensics***

Course Code: 01154

Duration: Spring semester

Grade: 9-12

Credit: .5

Facility: Bennington

Course Description: The purpose of this course is to acquaint students with the various types of forensics events in a classroom and in a competitive atmosphere. Students will be able to learn about the different types of forensics events within a classroom setting and then apply those concepts in tournament competition throughout the semester. Students will have to do original research to complete their assignments.

## **FOREIGN LANGUAGE**

Course Title: ***Spanish I***

Course Code: 48 & 48B

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Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: In a rapidly shrinking world with instantaneous communication, proficiency in foreign language becomes increasingly important. The process of learning a foreign language helps the brain to increase problem-solving abilities and perform better on tests. Students in Spanish will learn to acquire ideas through listening, repeating and reading. Students will develop communication skills and cope in various life-like situations. They will also develop the ability to utilize available sources of information and learning tools through the study and will develop an understanding of cultural heritages different from their own. Ultimately, the study of Spanish will give students more options when regarding career opportunities and education, and will help reinforce positive attitudes toward intellectual activities.

Course Title: *Spanish 2*

Course Code: 103 & 103B

Duration: 2 Semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: Spanish I

Course Objective: Students continue to further develop and improve listening, speaking, reading and writing skills. Emphasis is placed on comprehension and verbal communication of Spanish, as well as reading and writing practice in the target language using a variety of activities incorporating familiar vocabulary and structures. Supplementary materials are introduced to enhance language use and awareness of Spanish speaking cultures.

## **MATHEMATICS**

Course Title: *Algebra I*

Course Code: 56 & 56B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: Algebra 1 provides the opportunity to refine and extend mathematical skills. Students will develop higher level problem solving skills and an understanding of the relationship between graphs, equations, tables and written statements. Topics covered are: expressions, equations, inequalities, systems, functions, exponents, polynomials, quadratics, radical and rational expressions.

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Course Title: ***Geometry***

Course Code: 41 & 41B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: Algebra 1

Course Objective: Geometry is the visual study of shapes, sizes, patterns and the relative position of figures. Students will apply the basic principles and concepts to practical experience. Topics covered include: Reasoning and Proof, Parallel and Perpendicular Lines, Congruence and Similarity, Triangles, Quadrilaterals, Trigonometry, Area and Volume, and Circles.

Course Title: ***Algebra 2***

Course Code: 42 & 42B

Duration: 2 semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: Algebra I

Course Objective: Algebra II provides an opportunity for students to learn about those topics of algebra, which have practical value as well as those that have theoretical value in subsequent mathematical courses. Algebra II is a must for any student wishing to pursue a college course in math or science. Algebra II includes systems of linear equations, rational numbers and expressions, factoring, relations, functions, irrational numbers, and trigonometric functions.

Course Title: ***Intermediate College Algebra***

Course Code: 2059

Duration: 1 Semester

Grade: 11-12

Credit: 3 College Credit and/or .5 High School Credit

Facility: Bennington, Tescott (Remote)

Prerequisite: C or better in Algebra II

Text: Intermediate College Algebra

Fees: College Tuition (*Possible*)

Course Objective: This course addresses a variety of mathematical topics needed to prepare students for success in college-level mathematics. Mathematics topics include: numeracy; manipulating and evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving tables; verbal, algebraic, and graphical interpretations of functions; rational expressions; solving systems of

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linear and quadratic equations; properties of higher degree equations; and operations with rational exponents. The course was developed to align with both the Kansas College and Career Readiness Standards and the developmental math outcomes of the Kansas Board of Regents.

Course Title: ***College Algebra***

Course Code: 43

Duration: 1 Semester

Grade: 11-12

Credit: 3 College Credit and/or 1 High School Credit

Facility: Bennington, Tescott (Remote)

Prerequisite: College Algebra / ASSET Exam or 22 on ACT

Text: College Algebra

Fees: College Tuition

Course Objective: College Algebra reviews standard topics of algebra. A student will study linear and quadratic equations, graphing functions and function notation, high order polynomial equations, determinants, matrix algebra, sequences, series, and binomial expansion.

Course Title: ***College Trigonometry***

Course Code: 44

Duration: 1 Semester

Grade: 11-12

Credit: 3 College Credit and/or 1 High School Credit

Facility: Bennington, Tescott (Remote)

Prerequisite: College Algebra

Fees: College Tuition

Course Objective: Trigonometry is a study of trigonometric functions, solutions to right and oblique triangles, trigonometric identities, inverse functions, and graphs of trigonometric functions.

Course Title: ***Calculus***

Course Code: 2610 & 2610B

Duration: 2 Semesters

Grade: 11-12

Credit: 1

Facility: Bennington, Tescott (Remote)

Prerequisite: College Trigonometry & College Algebra

Course Objective: This course includes the study of analytic geometry, functions, limits, continuity, velocity differentiation, second derivatives, maxima and minimal integration, and other related topics.

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Course Title: ***Standardized Test Preparation (ACT Prep)***

Course Code: 22001 & 22001B

Duration: 2 Semesters

Grade: 10-11

Credit: 1 Elective Credit

Facility: Bennington, Tescott (Remote)

Prerequisite: none

Text: none

Fees: Kaplan Program License Fee

Course Objective: This course is an online preparation program for the ACT. Students will work on skills to prepare for the ACT. Some the skills are: test taking strategies, time strategies, and content knowledge. Students will get practice on content in the 4 core areas of the ACT: Math, English, Reading, and Science.

Course Title: ***Financial Algebra***

Course Code: 2155 & 2155A

Duration: 2 Semesters

Grade: 11-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: This course teaches and has students apply algebra concepts to a variety of business and financial situations. Applications include stock market, modeling a business, banking services, consumer credit, automobile ownership, employment basics, income taxes, independent living, retirement and being able to prepare a budget.

## **MUSIC**

Course Title: ***Vocal Music***

Course Code: 2700 & 2700B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: Vocal music is a class open to all high school students who wish to continue their musical experiences. Students will begin to work in depth on sound production, reading fundamentals and their individual vocal abilities so that a wide variety of music can be explored. Students will be expected to participate in all rehearsals and performances, whether they are during or after school.

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Course Title: ***Show Choir***

Course Code: **Pending**

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington

Course Objective: Show Choir is a performance-based class where students learn to prepare and perform popular music. Students learn how to add choreography to songs, as well as text interpretation, facial and body expression, and many performance skills. Show Choir performs at all concerts, as well as other community events whenever possible.

Course Title: ***Music Appreciation***

Course Code: 05118 & 05118B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: Music Appreciation is a class that explores the different characteristics, elements and effects of music in today's world. We focus on the history of music, ethnomusicology (study of music in different cultures), music theory and how music "speaks without speaking". We also incorporate "doing music" into our curriculum where students have a chance to learn basic keyboard skills, how to play auxiliary percussion instruments and sing early American folk songs.

## **ONLINE ELECTIVES**

Course: ***Online Elective (OE)***

Course Code: TBD

Duration: 2 Semester

Grade: 10-12

Credit: .5

Facility: Bennington, Tescott

Course Objective: Whether Credit Recovery, a non-offered High School Course, or a College Course, OE is an opportunity to increase course offerings through an online format. Students will report to an assigned Proctor Teacher to complete coursework during the school day as they would for any other class.

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**PE/HEALTH**

Course: ***Physical Education & Health***

Course Code: 3800 & 3800B

Duration: 2 Semester

Grade: 9-12

Credit: .5

Facility: Bennington, Tescott

Course Objective: Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits.

**STRENGTH TRAINING:**

We train students to develop the components of basic to human movement; strength, power, flexibility, speed, agility, footwork, endurance, mental focus and motivation. We utilize the principle of specificity, and therefore use free weight training as much as possible. We train movements and thereby train the muscles that produce these movements. We follow a sequential progression, in order to maximize safety and optimize success, for all movements.

**FITNESS**

This area helps develop muscular strength, burns fat and increases cardiovascular fitness. of P90X, T25 and TABADA activities.

**RECREATIONAL GAMES:**

An introduction to individual and team sports including soccer, floor hockey, scooter football, mat ball, capture the flag, softball, flag football, volleyball, basketball as well as other recreational games.

Course Title: ***Body Mechanics and Strength Conditioning***

Course Code: 3607 & 3607B

Duration: 1 Semester or 2 Semesters

Grades: 10-12

Credit: .5/1

Facility: Bennington, Tescott

Course Objective: This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Course Title: ***Certified Medication Aide***

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Course Code: 36156

Duration: 1 Semester

Grades: 10-12

Credit: .5

Facility: Salina Area Technical College

Course Objective: A program that prepares students to administer prescribed medications; observe and report patient reactions and side effects; and perform related emergency and recording duties under the supervision of nurses and/or physicians. Includes instruction in basic anatomy and physiology, common medications and their effects, taking vital signs, oxygen administration, medication administration and application, record-keeping, and patient observation.

Course Title: *Emergency Medical Technician*

Course Code: 14055

Duration: 1 Semester

Grades: 10-12

Credit: .5

Facility: Salina Area Technical College

Course Objective: Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies.

## SCIENCE

Course Title: *Earth Science*

Course Code: 3509 & 3509B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: an introduction to planet Earth as a complex global system between the biosphere, atmosphere, hydrosphere, and geosphere. Using the GLOBE Program, students and scientists collaborate on inquiry-based investigations of the environment and work in field campaigns with NASA, NOAA and NSF to study and research the dynamics of Earth's environment that directly impact lifestyles of human populations. Students collect atmospheric data, water, soil, and plant samples at GLOBE sites located on Wagner's Organic Farm.



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Course Title: ***Biology***

Course Code: 3500 & 3500B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: How do you inherit brown eyes from your parents? Why can some animals live in certain environments but not others? How does the food you eat affect your health? These are just a few questions we will be studying in this class. Biology is a subject where you study a large variety of subjects, from evolution to ecology, to studying a cell in a living organism. We will be using our scientific skills to learn and investigate the world of biology.

Course Title: ***Biology II***

Course Code: 03052

Duration: 2 Semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: ***Biology I***

Course Objective: In this class, we will learn the major groups of animals, fungi, plants, protists, algae, and bacteria; their basic characteristics; and how biologists study these organisms to understand their rich evolutionary history, ecological interactions, amazing adaptations, and relevance to humans and other species.

Course Title: ***Chemistry***

Course Code: 3503 & 3503B

Duration: 2 Semesters

Grade: 10-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: ***Algebra 1***

Course Objective: A focused look at the interactions of matter and energy in the world around us. To gain an understanding of matter and energy the scientific method will be employed to inquire into the concepts of the course. A background consisting of the history and structure of an atom is essential to comprehending the dynamics of the periodic table.

Course Title: ***Chemistry II***

Course Code:

Duration: 2 Semesters

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Grade: 11-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: Chemistry I

Course Objective: This course adds to and further develops the concepts introduced in Chemistry 1. The study of reaction rates and equilibrium is introduced, and redox chemistry is continued and furthered to include electrochemistry, particularly as it applies to biological systems. Equilibrium is again explored through acid-base and complex ion chemistry, where topics including buffers, pH and pKa are studied. Extending thermochemistry, the laws of thermodynamics are reviewed with topics centered on enthalpy, entropy, Gibbs free energy, and spontaneity.

Course Title: ***Human Anatomy and Physiology***

Course Code: 3506 & 3506B

Duration: 2 Semesters

Grade: 11-12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: Biology and Chemistry

Course Objective: This is an exciting course that you will find both challenging and interesting... after all, it is all about you! The study of Anatomy and Physiology focuses on the structures of the human body and how those structures work together. During the course of this year we will study all the organs and organ systems of the body in detail. We will be analyzing cellular structure and function, as well as how the cells work together to coordinate organ function. Additionally, we will explore how the organs work together to maintain homeostasis and stability within the human body. We are very complex organisms. While this course may be challenging, together we will work hard to gain knowledge and skills in the fascinating field of anatomy.

Course Title: **Physics**

Course Code: 148 & 148B

Duration: 2 Semesters

Grade: 12

Credit: 1

Facility: Bennington, Tescott

Prerequisite: Algebra II

Course Objective: This course is an introductory algebra-based physics course. The emphasis of this class is equally divided between developing a conceptual understanding of the major topics of physics and developing problem solving skills in those topic areas. Algebra and trigonometry will be used extensively throughout. Emphasis will be put on understanding the theories at hand and identifying them in real life. A laboratory component accompanies the classroom element in the course. Students will be expected to undertake and report on laboratory projects related to the topics in the class.

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Course Title: ***Physical Science***

Course Code: 3502 & 3502B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: This is a laboratory course designed to provide students with an opportunity to develop the reasoning skills associated with the processes of science. Physics semester topics will include forces, motion, and energy. Chemistry semester concepts will include properties of matter, equilibrium, kinetics, and atomic structure. The fundamental science principles learned in this course prepare students for future laboratory science courses. Appropriate accommodations are made to meet varied learning styles, reading levels, and mathematical abilities.

## **SOCIAL SCIENCES**

Course Title: ***American Government***

Course Code: 2901 & 2901B

Duration: 2 Semesters

Grade: 12

Credit: 1

Facility: Bennington, Tescott

Course Objective: The American Government course builds upon and adds to students' previous learning within social studies courses. The course will examine the foundations of our government, the principles of checks and balances, the separation of powers, the organization of the three branches of government, and the relationship between the federal, state, and local government. The course will work to create student understanding of how the Constitution embodies the purposes, values, and principles of American democracy, and how to fulfill the "job" of citizens.

Course Title: ***American History***

Course Code: 2900 & 2900B

Duration: 2 Semesters

Grade: 11

Credit: 1

Facility: Bennington, Tescott

Course Objective: The American History course begins around the 1850s leading into the beginning of the American Civil War and Reconstruction Era. We will study the mid 19th century and will go through key moments for the United States including imperialism, industrialization, and immigration. Students will concentrate on the critical events, people, groups, ideas, and issues of the period from 1850s to the early 21st century. Some of these events will include Progressivism, World War I, the Roaring Twenties, the Great Depression & New Deal, World War II and its aftermath, the Civil Rights Movement, Vietnam, the Cold War, and the movement into our current era.

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Course Title: ***History through Film***

Course Code: 04349 & 04349B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Tescott

Prerequisite: Parent permission and approval required.

Course Objective: History Through Film course is centered around the analysis of TWO major questions: *How is our view of the past shaped by film?* AND *Are films an accurate portrayal of the time period they encompass?* The course will help bring history to life by allowing students to dig deeper into a number of historical topics as they compare and contrast the films and the historical events they depict. The course uses some clips of R-rated movies due to the violence and language; parent permission is required with submission of the approval form.

Course Title: ***Macroeconomics (Economics)***

Course Code: 04202, 04202B

Duration: 1 Semester

Grade: 10-12

Credit: 0.5

Facility: Bennington

Course Objective:

Economics is concerned with the creation, consumption, and transfer of resources (including but not limited to wealth). This semester course focused primarily on macroeconomics, which explores mass economic progress, societal needs and wants, economic systems (such as capitalism and socialism), and inter-country trade.

Course Title: ***Microeconomics (Business Economics)***

Course Code: 04201, 04201B

Duration: 1 Semester

Grade: 10-12

Credit: 0.5

Facility: Bennington

Course Objective:

Business Economics, like macroeconomics, is concerned with the creation, consumption, and transfer of wealth. This course is partnered with macroeconomics and explores how people and firms produce and consume goods and services.

Course Title: ***World Geography***

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Course Code: 2902 & 2902B

Duration: 2 Semesters

Grade: 9-12

Credit: 1

Facility: Bennington, Tescott

Course Objective: World Geography will help familiarize students with the world using the five themes of geography. Students will develop a knowledge and understanding about location, place, human/environment interaction, movements, and regions. The course will require students to compare and contrast these themes across all continents. Students then will be able to apply their knowledge to understand community, state, nation, world, and themselves.

Course Title: *World History*

Course Code: 4 & 4B

Duration: 2 Semesters

Grade: 9-10

Credit: 1

Facility: Bennington

Course Objective: The World History course begins with the emergence of the first civilizations in the Middle East, Africa, and Asia, followed by the development of major ancient civilizations, then the expansion of peoples throughout the world, and finally the emergence of modern nations. This course is organized chronologically and regionally. The course will cover intellectual trends, revolutionary movements, social interactions, political ideologies, and geographical impacts. Students will focus on key events, people, and turning points during each era.

## **SPEECH**

Course Title: *College Speech*

Course Code: CS101

Duration: 1 semester

Grade: 12

Credit: .5

Facility: Bennington, Tescott (Remote)

Course Objective: College Speech is an elementary course in the study and practice of the basic principles of speech and interpersonal communication with an emphasis on critical thinking, the creative and intelligent selection of material, organization, and oral presentation.