

**SARGENT SENIOR HIGH SCHOOL
COURSE DESCRIPTION BOOKLET
2020-2021**



The Mission

Inspire students to care more, learn more, and experience more in a safe and engaging learning environment.

The Vision

Dig deeper to explore passions that lead to lifelong learning and success.

NOTE: Please understand that a course mentioned in this booklet may be eliminated from the 2020-2021 school offerings due to lack of int

ENGLISH

English 9 core class 1.0 credit

Description: Students in Freshman English will become clear, coherent, and proficient writers by the end of their freshman year. Students will work toward this goal through grammatical and usage analysis of writing assessments, journaling, writing coherent paragraphs (narrative, descriptive, expository, and persuasive), five-paragraph essays, and brief research assignments. Vocabulary word study is included in the context of their literature assignments. Students will read a variety of literary genres, including drama, fiction, non-fiction, short stories, essays, and poetry. Standard literature included in the freshman year includes Hamilton's Mythology, Night, Shakespeare's Romeo and Juliet, Of Mice and Men, and a variety of short stories.

English 10 core class 1.0 credit

Prerequisite: English 9

Description: Students in Sophomore English will continue to improve their writing skills, with greater emphasis on research writing. They will continue their study of Standard English and writing through, journaling, essays, and larger research assignments. Students will continue reading classics of literature from a variety of genres, including drama, fiction, non-fiction, short stories, essays, and poetry. Standard literature included during the sophomore year includes To Kill a Mockingbird, When the Legends Die, The Lord of the Flies, and Shakespeare's Julius Caesar, and a variety of short stories.

English 11 core class 1.0 credit

Prerequisite: English 10

Description: Students in English 11 will study American literature from a historical perspective. Literary criticism, and expository writing skills will be continued to be worked on. Students will be engaged with analyzing the emerging and changing themes found throughout American Literature and reflect through writing and oral presentation their findings within each chronological event.

English 12 core class 1.0 credit

Prerequisite: English 11

Description: Students in English 12 will study British Literature from a historical perspective with special emphasis on how events in England over history have impacted the United States. APA formatting will be introduced and focused on to further develop research skills through literary studies and exposure to different writing genres.

TSJC 121 Concurrent Enrollment Class (core class .5 Credit)

Prerequisite: SAT/ACT or Accuplacer Scores

Description: English 121/101 is a college level survey of American Literature with an advanced focus on composition. Students respond to the various readings through writing. Students write in a variety of genres including narrative, compare/contrast, literary analysis, persuasive/argument, and descriptive essay. Students enrolled in this class must meet enrollment standards as set by TSJC or ASU and students receiving a grade of “C” or above will be awarded college credit for English 121/101. It is a GT (Guaranteed Transfer Class within the state of Colorado).

TSJC 122 Concurrent Enrollment Class (core class .5 credit)

Prerequisite: SAT/ACT or Accuplacer Scores

Description: Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. Students enrolled in this class must meet enrollment standards as set by TSJC or ASU, and students receiving a grade of “C” or above will be awarded college credit for English 121. It is a GT (Guaranteed Transfer Class within the state of Colorado).

MATH

Algebra I (core - 9th graders, 1.0 credit)

Prerequisite: Teacher approval

Description: Integer, rational and common irrational number concepts, operations, and properties; algebraic concepts including functions, equations, inequalities, matrices; data analysis, measures of central tendency, scatter plots; Pythagorean Theorem, solving geometric problems using algebraic techniques; using ratios, proportions and percent to solve problems; and critical thinking skills.

Geometry (core - 9th and 10th graders, 1.0 credit)

Prerequisite: Algebra I

Description: Real number concepts, operations and properties; solving geometry problems using algebraic concepts; points, lines, planes, and angles; deductive reasoning; parallel lines and planes, congruent triangles, quadrilaterals, and inequalities in geometry; similar polygons, right triangles, circles, construction and loci, areas of plane figures, area and volumes of solids, coordinate geometry and transformations.

Algebra II core – open to 9th, 10th, 11th and 12th graders, 1.0 credit)

Prerequisite: Algebra I and Geometry and/or Teacher approval

Equipment: Graphing Calculator TI-83 or higher suggested

Description: Simplifying expressions, solving equations and inequalities, linear equations and functions, factoring polynomials, positive and negative exponents, radicals, irrational and complex numbers and all methods of solving quadratic equations; solving cubic and higher degree equations using synthetic division, exponential and logarithmic functions, and matrices and determinants.

Algebra III core – open to 10th, 11th and 12th graders, 1.0 credit

Prerequisite: Alg II

Review, expand, and improve upon understanding of Algebra I, Geometry, and Algebra II and then introduce elements of Precalculus. Topics including solving equations in one variable, modeling real world situations, inequalities, absolute values, graphing equations, polynomial manipulation, systems of equations, circles, piecewise functions, complex numbers, solving quadratics, rational functions, properties of exponents and radicals, angles, arcs, triangles, trigonometric ratios and functions, logarithmic functions, and exponential functions

Pre-Calculus: core – open to 10th, 11th and 12th graders, 1.0 credit

Prerequisite: Algebra II, III and/or 500 on the PSAT/SAT

Equipment: Graphing Calculator TI-83 or higher required

Description: Integrates statistical and algebraic concepts, and previews calculus in work with functions and intuitive notions of limits. Enough trigonometry is available to constitute a standard pre-calculus course in the areas of trigonometry and circular functions. Analysis of functions including exponential, logarithmic, logistic, trigonometric, and polynomial functions will be emphasized.

AP Calculus A/B: only offered as needed core – open to 11th and 12th graders, 1.0 credit

Prerequisite: Pre-Calculus and teacher approval

Description: Review of functions and applications. Study of limits leading to differential calculus and integral calculus. Applications including optimization, volumes of solids of revolution, and work will be included. Graphing calculator required.

Calculus II: Only offered as needed core – open to 11th and 12th graders, 1.0 credit

Prerequisite: Teacher recommendation

Description: Students who are enrolled in Calculus II are expected to work with functions represented in multiple ways: graphical, numerical, analytical, or verbal. They should understand the connections among these representations; understand the meaning of the derivative in terms of a rate of change and local linear approximation and use derivatives to solve problems; understand the meaning of the definite integral as a limit of Riemann sums and as the net accumulation of change and use integrals to solve problems; understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus; communicate mathematics and explain solutions to problems verbally and in writing; model a written description of a physical situation with a function, a differential equation, or an integral; use technology to solve problems, experiment, interpret results, and support conclusions; determine the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement; develop an appreciation of calculus as a coherent body of knowledge and as a human accomplishment.

SCIENCE

Physical Science/Lab: Required for all 9th graders, 1.0 credit

Required Lab Fee: \$15

Description: This class serves as an introduction to the topics of Physics and Chemistry. Generally one semester of coursework on each subject. Students will be expected to participate fully in a number of laboratory activities as well as classroom work.

Biology/Lab: Required for all 10th graders, 1.0 credit

Prerequisite: Physical Science 9

Lab Fee: \$15.00

Description: Curriculum will include content, laboratory inquiry exercises, biotechnology, discussions of issues and decision making of current topics in biology, diversification (classification), unity that characterize life, cells and organisms, principles of heredity, relationships among organisms and their interactions with their physical environment.

Earth Science/Lab: 1.0 credit

Required Lab Fee: \$15

Description: This class covers four major units: surface processes, the atmosphere, resources, and space. Students will be expected to participate in a number of laboratory activities as well as classroom work.

Chemistry: Elective course for 11th and 12th, or with instructor approval, 1.0 credit

Prerequisite: Algebra II

Required Lab Fee: \$15

Description: Chemistry covers 4 major units: The structure and properties of matter, chemical bonding, chemical reactions, and Energy and Matter Interactions. This course is designed to prepare the student for a general chemistry course at the college level. Students will be expected to participate in classwork as well as a number of laboratory activities.

AP Physics: open to 11th and 12th graders, or with instructor approval, weighted grade, 1.0 credit must have complete Alg II)

Required Lab: \$15

Prerequisite: Calculus is strongly suggested

Description: This trigonometry based physics class covers five major units: Newtonian Mechanics, Fluid Mechanics and Thermal Physics, Electricity and Magnetism, Waves and Optics, and Atomic and Nuclear Physics. Students will be expected to participate in classwork

and meet outside of class to complete a series of approximately 17 major labs. This course is designed to mimic a General Physics class in college and will be quite demanding

Anatomy: Elective course for 11th and 12th, or with instructor approval, 1.0 credit
Available for College Credit

Required Lab Fee: \$15

Description: Learn the anatomy and physiology of the human body, maladies that affect the body systems and dissect animals that provide an analog to the human body

Research I-IV Elective, Independent Study for 9th, 10th, 11, and 12th graders, 1.0 Credit

Required Lab Fee :\$20

Pre-Requisite: Teacher Approval

Description: This course is designed to meet the needs of the student who wishes to conduct extensive science inquiry into one scientific problem of their choice. The course of study will include locating and documenting twenty-five sources for research problems, making professional contacts with prominent scientists all over the world and selecting at least one mentor for a project. In addition, the student must complete an extensive research plan and paper for the scientific problem. The student will enter his or her project in the SLV Regional Science Fair with a presentation blackboard. A student in this course must be self-motivated and able to work successfully on his or her own.

Health Care Lab: 1.0 credit)

Required Lab Fee :\$20

Prerequisite: Teacher Approval

Description: The Health Science lab will help prepare students for the medical profession of tomorrow. You will share real experience and increase relevance to a health science career. The lab will enhance student learning by applying and analyzing health practices. Finally, the lab will address health science foundational knowledge and medical terminology. Modules include Biomedical Engineering, Dentistry, Emergency Medical Technology, Health Information Management, Medical Imaging, Nursing, Sports Medicine, Therapeutic Services and Veterinary Medicine.

SOCIAL STUDIES

World Geography/Economics: core – required for 9th graders, 1.0 credit

Course Description: This course examines the historical development of the various geographic regions of the world. It integrates the use of geographic tools and the 5 themes of geography with the history of each region. Regions examined include: Latin America, Europe, Russia, Sub-Saharan Africa, the Middle East, South Asia, East Asia, and Southeast Asia. Students will examine how society manages its resources, how people make decisions, how people interact in the marketplace, and how forces and trends impact the economy. With personal financial literacy, students will learn to apply economic knowledge to manage resources and make decisions using prioritization of the costs and benefits of every choice.

World History: core required for all 10 graders 1.0 credit

Course Description: This course examines the historical historical, economic and political development of the various regions of the world. Historical eras studied include: the Renaissance and Reformation, Exploration and Colonialism, Scientific and Industrial Revolution, Imperialism, WWI and WWII. Students will also interpret primary sources and have an understanding of multiple perspectives in secondary sources. Students will also learn to write critical essays, gain an understanding of cause and effect over time, and be able to compare developments from one period to another.

American History: core - required for 11th graders, 1.0 credit

Course Description: This course examines the historical, economic and political development of the United States from 1877 to the 1990's. Historical eras studied include: the Opening of the West, Industrialization, Imperialism and Reform, WWI and the 20's, the Depression and WWII, the Cold War and Civil Rights, Vietnam to Watergate, and the 80's and 90's.

American Government: core –required for 12th graders, 1 credit

Course Description: This course examines the political development of the United States government and how it continues to change as our society evolves. The areas of study include: Foundations of the US Government, the Three Branches of Government, Rights and Responsibilities of Citizens, The Political System, Colorado State Government and Foreign Relations.

AGRICULTURE

Introduction to Agriculture: Electives for 9th, 10th and 11th, 1.0 Credit

Lab Fee: \$20.00

An introductory course for first year agriculture education students. This course introduces students to the foundational principles of agriculture, food and natural resources. Students will gain knowledge in career development, leadership, personal development, communications, animal science, plant science, natural resources, food science, power/structure and agribusiness.

Principles of Ag Science: Elective for 10th, 11, and 12th graders, 1.0 Credit

Required Lab Fee :\$20

Prerequisite:

Description: introductory course educating students to the basic skills and knowledge in construction and land management. This course covers topics including safety, project management, land site management, irrigation and drainage and agriculture structures and components. Upon completion of this course, proficient students will be prepared for more advanced coursework in agricultural mechanics.

Advanced Ag Science: Elective for 11, and 12th graders, 1.0 Credit

Required Lab Fee :\$20

Prerequisite:

Description:

Agriculture Research I-IV Elective for 9-12th grade, Independent Study, 1.0 Credit

Required Lab Fee \$20

Prerequisite: Teacher Approval

Description: This course is designed to meet the needs of the student who wishes to conduct extensive science inquiry into one scientific agricultural problem of their choice. The course of study will include locating and documenting twenty-five sources for research problems, making professional contacts with prominent scientists all over the world and selecting at least one mentor for a project. In addition, the student must complete an extensive research plan and paper for the scientific problem. The student will enter his or her project in the SLV Regional Science Fair with a presentation blackboard and the FFA State Convention AgriScience Division. A student in this course must be self-motivated and able to work successfully on his or her own. Students will be required to continue as active members of the FFA and will maintain an active SAEP (research project).

Ag Business Elective for 11-12th grade, Independent Study, 1.0 Credit

Required Fee :\$20

Prerequisite: Teacher Approval

In this course students will be comparing and contrasting business models and identifying the advantages and disadvantages to owners and customers within the agribusiness chains. Students will show an understanding of basic record keeping skills and applications in an agribusiness. Components include the general journal, balance sheet, cash flow statements, financial statements, reconciliation of accounts, net worth, income statements, and profit and loss statements. Students will understand how these records can allow for business decisions within an agribusinesses or Supervised Agriculture Experience(SAE) program.

Ag Capstone: Elective for 11-12th grade, Independent Study, 1.0 Credit

Range Management/ Animal Nutrition 11-12th Grades 1.0 credit HS Available for College Credit

Required Lab Fee : \$20

Prerequisite: Teacher Approval

Description: Studies the basic fundamentals of livestock production pertaining to principles of breeding, genetics, nutrition, health, and physiology of beef, sheep, swine, dairy, and horses. Focuses on the Animal Science Industry in general and each species industry in regard to history, current situation, and future direction.

HS SHOP 9-12th Grades 1 credit HS

Prerequisite:

First Semester is an introductory course educating students to the basic skills and knowledge in construction and land management. This course covers topics including safety, project management, land site management, irrigation and drainage and agriculture structures and components. Upon completion of this course, proficient students will be prepared for more advanced coursework in agricultural mechanics. Second Semester will educate students to the basic skills and knowledge in metal fabrication and agriculture systems. This course covers topics including safety, project management, basic engine and motor mechanics, and basic metal fabrication techniques and processes. Upon completion of this course, proficient students will be prepared for more advanced coursework in agricultural mechanics.

Business Program

Fundamentals of Accounting- 9-12 th Grade Elective

1 Credit

Introduces accounting fundamentals with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting.

Marketing Strategies: A guide to social media and digital marketing

This course will focus on understanding and effectively using strategies of marketing. This course is designed to provide you key concepts and learning experiences with social media marketing. Also presented are foundational elements of marketing and concepts on digital marketing practices. By gaining and understanding of foundational concepts; creating practical, hands-on projects; and experiencing social media marketing through an online simulation, you will have a foundation to help you succeed in social media and digital marketing today and in your professions.

STEAM

Yearbook/Journalism 11-12 grades elective 1.0 credit

Prerequisite: None

Description: Yearlong technological credit focused on the creation of the monthly newspaper and yearbook publication. Course involves journalistic assessments and critiques, responsibility of two or more articles per month, and a selection of yearbook pages. Students must be self-motivated to meet individual publication deadlines each month that include, but are not limited to, research, writing, editing, and photography. Must have a good understanding of Microsoft Word and file organization. Other programs will be taught as needed.

AP Computer Programming Elective 9th-12th grade 1 credit

Prerequisite: None

Required Lab Fee \$30

Course Description: Computer Science embraces problem solving, hardware, algorithms, and perspectives that help people utilize computers to address real-world problems in contemporary life. Students completing the AP Computer Science A course and exam are well prepared to continue their study of computer science and its integration into a wide array of computing and STEM-related fields. This course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data, approaches to processing data, analysis of potential solutions, and the ethical and social implications of computing.

9th Grade Aviation Curriculum 1st Semester- Launching into Aviation .5 credit

Description: The ninth-grade course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain historical perspective, starting from the earliest flying machines and leading to the wide variety of modern aircraft and the integral role they play in making today's world work.

9th Aviation Curriculum-2nd Semester- Exploring Aviation and Aerospace .5 credit

This core aerospace and aviation course provides the foundation for both pathways. It is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system. Students will also begin to drill down into the

various sectors of aviation and the elements that make up the aviation and aerospace ecosystem. They will discover how advances in aviation created a need for regulation and will learn about the promulgation of civil aviation oversight. Students will explore modern innovations and develop their own innovative ideas to address real-world challenges facing the aviation industry. They will be exposed to a variety of career options in aviation and aerospace and take an in-depth look at the opportunities available. For schools offering multiple pathways, this course will allow students to begin to define their individual interests.

10th Grade Curriculum 1st Semester- Introduction to Flight .5 Credit

In the Introduction to Flight Course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will conclude with a focus on career skills related to these topics.

10th Grade 2nd Semester- Aircraft Systems and Performance .5 Credit

In the Aircraft Systems and Performance course, students in the UAS and Pilot tracks will take an in-depth look at the systems that make manned and unmanned aircraft work as well as the instrumentation powered by those systems. Beginning with aircraft powerplants and fuel systems, students will learn about the different options available and how they affect aircraft design and performance. They will go on to explore other key aircraft systems, including electrical, pitot-static, and vacuum systems. Throughout, they will learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This unit also covers airplane flight manuals, the pilot's operating handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

WORLD LANGUAGES

Spanish I: 1 years required, 1.0 credit

Prerequisite: None

Description: This beginning Spanish language course is designed to give students an introduction to the pronunciations, conversation essentials of grammar, written composition, and reading of materials with appropriate difficulty, in addition to working towards a solid foundation in basic grammar, vocabulary, and pronunciation the student will learn how to read a simple, authentic Spanish materials, list, describe, ask, and answer questions and express opinions to defend them in variety of oral and written activities. Also the use of speech patterns, writing, and culture of the Spanish speaking world through listening, speaking, reading, and writing. This course also includes an introduction to the geography and cultures of Spain and Latin America.

Spanish II: 1.0 credit

Prerequisite: Spanish I; teacher approval

Course Includes: This is a continuation of Spanish I. Further development of vocabulary and especially use of verb tenses will be essential part of the course. In addition to working toward a solid foundation in basic grammar, vocabulary, and pronunciation the student will learn how to emulate authentic Spanish pronunciation; understanding simple spoke Spanish in connected sentences dealing with everyday situations. Students will learn how to ask and answer questions in the present, past and future tense dealing with basic vocabulary and common daily activities. This course includes more complex reading and writing, increased use of Spanish in classroom discussion, encouragement of self-expression, and increased study of cultural elements.

Spanish III: elective, 1.0 credit

Prerequisite: “C” average in Spanish II; teacher approval

Course Includes: This Spanish language course will be a continuation of the grammar principles studies in the previous two years and will be accompanied by the reading of Spanish literature and various in depth writing and speaking exercises. The student will study a more advanced spoken and written Spanish emphasizing in the wide range of grammatical structures and building vocabulary on contemporary issues through some translation and essay writing. This course also provides more extensive communication in the Spanish language, including a brief study of the history, art, and literature of the Spanish speaking world.

Spanish IV: elective, 1.0 credit

Prerequisite: “B” average in Spanish III; teacher approval

Course Includes: This Spanish language course will be a great opportunity to continue the grammar principles studied in the previous three years and will be accompanied by the reading of Spanish literature and various in depth writing and speaking exercises. The student will study a more advanced spoken and written Spanish emphasizing in the wide range of grammatical

structures and building vocabulary on contemporary issues through some translation and essay writing.

Heritage Spanish: elective, 1.0 credit

Prerequisite: Teacher approval

Course Includes: Student must be a native or heritage speaker and have an appropriate placement score or permission of the instructor. This course is designed for students for whom Spanish is a native or heritage language. It provides those students with the opportunity to expand their existing proficiency and to develop their reading and writing skills. Orthography, diacritics and vocabulary development are stressed. Emphasis will be placed on usage appropriate to academic and professional settings.

ELECTIVES

Art I (grades 9, 10, 11 and 12 1 credit)

Prerequisite: None

Lab Fee: \$25.00

Course Description: Students will learn the basics art techniques in drawing, painting, collage, clay, scratchboard, printmaking, pastels, etc. Students will have a set curriculum to follow. Students will be able to be unique and creative within the boundaries of the assignments.

Advanced Art (grades 9, 10, 11 and 12 1 credit)

Prerequisite: Art I

Lab Fee: \$25.00

Course Description: Students will build on the skills learned in Art I by creating more difficult projects with various

WORK-STUDY (12th grade Elective, .5 credit)

Prerequisite: Administrative approval, and seniors only, must have at least a 2.0 GPA, signed work-study contract required. **Course Description:** By Sargent Board Policy, work-study is an elective senior course which provides "hands-on" training and educational experience in the field of a student's chosen vocation. This may be either a paid or volunteer position. All work-study programs must be pre-approved by the guidance counselor, principal, superintendent and the Board of Education. Work-study may not exceed half the school day including transportation time. A designated, on-the-job coordinator who reports directly to the counselor must supervise all work-study students.

EARLY CHILD DEVELOPMENT (Elective, 0.5 credits)

Prerequisite: Approval by School and Daycare Administration, juniors and seniors only, must have at least a 2.0 GPA, be at least 16 years of age

Course Description: The Sargent Day Care and Preschool Program provides juniors and seniors with the opportunity to work directly with preschool-aged children on campus. Students get to interact with children during the class period, they help teachers with day to day operations of running a classroom. Participation and attendance are a majority of their grade. High school students are responsible for one assignment a month on topics related to early childhood education.

TEACHER AIDE (12th Grade ONLY)(Elective, 0 .5 credits)

Prerequisite: Administrative/teacher approval, seniors only, 2.5 GPA

Course Description: This is an excellent opportunity for students to volunteer their talents and abilities in the service of the school. By so doing, they will learn the dynamics of an educational system and explore first-hand the rewards of working with a variety of staff and students in an elementary, junior high, or high school setting. ‘

CONCURRENT ENROLLMENT –

Prerequisite: Met or exceed appropriate benchmarks on SAT,ACT or Accuplacer test, Completion of COF application, in congruence with students' individual career and academic plan (ICAP). Please see counselor for more information.

PHYSICAL EDUCATION

PE/Athletic Training Girls and Boys elective – 9th-12th graders 1 credit

Prerequisite: None

Course Description: This class will deal with both the physical and mental aspects of physical fitness in relation to the cardiovascular system and its effects on the body. The major focus of the class will be on life skills including: weight training with emphasis on cardiovascular endurance, proper technique of working with weights as opposed to body building, class work will center on the muscle and bone structures of the body. A class designed to help the student athlete develop. Individualized programs designed to make you stronger, faster, and more flexible, put weight on or take it off. Plyometric, parachutes, and other devices are available for the student. Computer aided lifting programs are also available for the student. Do not take this course if you do not want to dress out and work out!

Weights & Cardio Girls and Boys elective – 9th-12th 1 credit

Select students will engage in coordinated weight and cardiovascular training programs that focus on good health and appropriate activities for high school students. This course is open to high school students only.

Scope and Sequence

Social Studies:

- 9th World Geography/Economic
- 10th World History
- 11th US History
- 12th- Government

Mathematics:

- Algebra I
- Geometry
- Algebra II
- Algebra III
- Pre-Cal
- AP Calculus
- Calculus II

Science

- 9th Physical Science
- 10th Biology
- 11th and 12th Earth, Chemistry, Anatomy, AP Physics, Health Care Lab

English

- 9th Grade English
- 10th Grade English
- 11th Grade English
- 12th Grade English

Junior High Electives

Robotics

Are you interested in robotics! LEGO® robotics uses LEGO®s as a fun tool to explore robotics, mechanical systems, electronics, and programming. This class is primarily a lab experience which provides students with resources to design, build, and program functional robots constructed from LEGO®s and a few other parts such as motors and sensors. Learn robotics using Lego Mindstorms to design, develop and test robotics projects using data-collecting technology.

Shop:

Music:

Career Exploration:

Introduction to Business- Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concept of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations , and business ethics.

Art

Lab Fee: \$10.00

Students will learn the basics art techniques in drawing, painting, collage, clay, scratchboard, printmaking, pastels, etc. Students will have a set curriculum to follow. Students will be able to be unique and creative within the boundaries of the assignments.

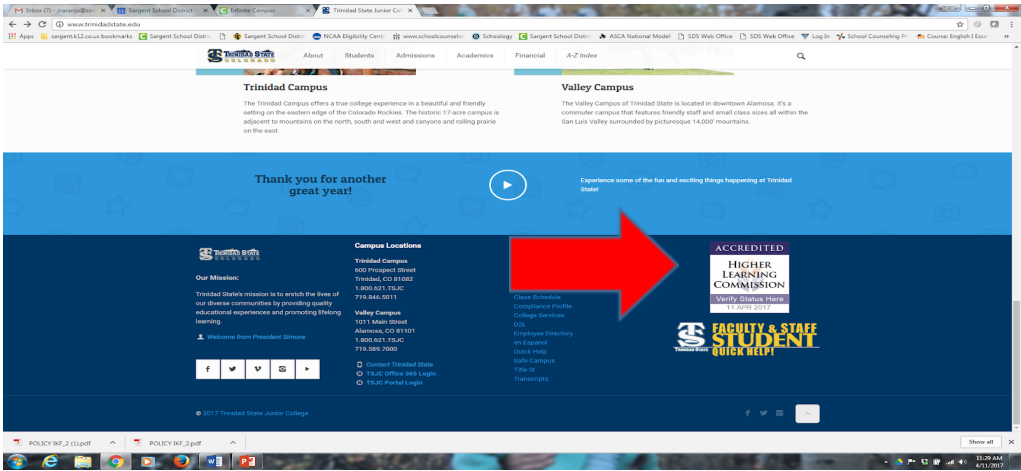
Physical Education (PE)

- Develop and Maintain overall fitness
- Learn skills related to games and Activities
- Increase knowledge in the value of physical
- Fitness, the effects of exercise on the human body
- And rules and strategies of games and activities.

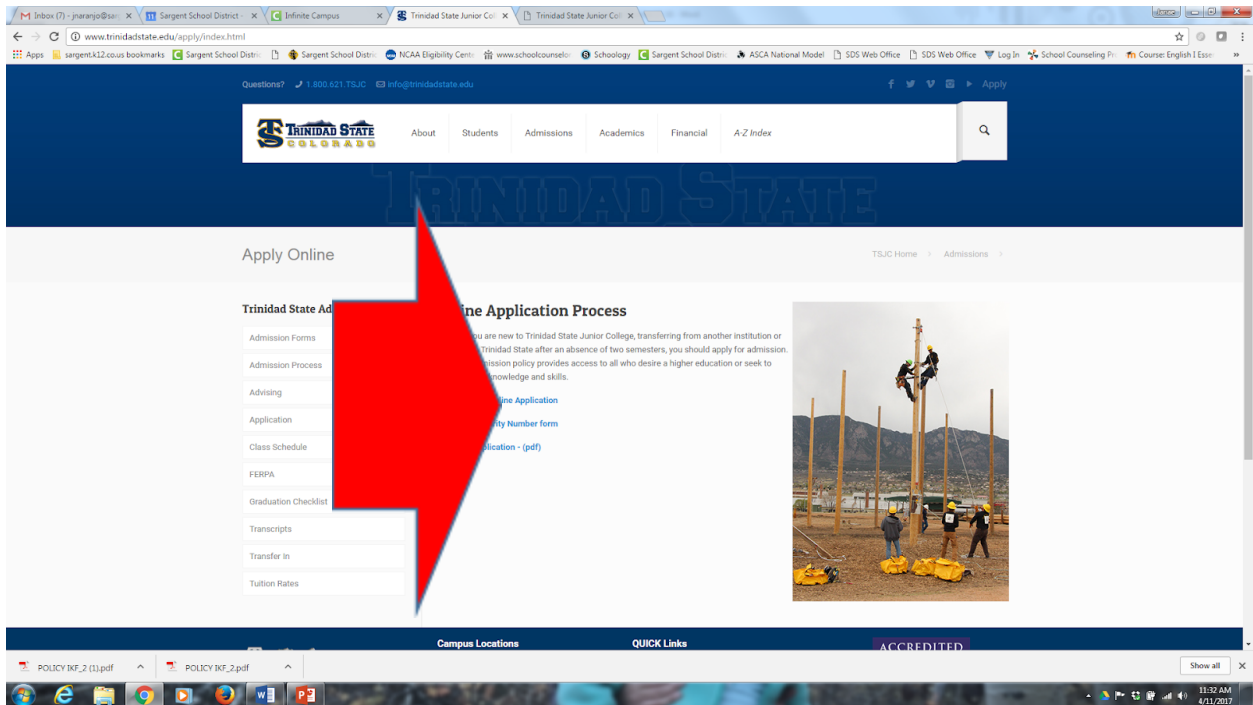
STEPS TO ENROLL IN CONCURRENT ENROLLMENT

1. Complete an online application to TSJC.

a. <http://www.trinidadstate.edu/>



2. Complete the online application ONLY



3. **When you complete your application you will get an S# ---- You have this number to place on the forms you turn in to me!**
4. **If you don't get the S# - you need to log out and log back in 24 hours later.**
5. **Choose you class and put the CRN number and course name in the box on page 3.**
6. **Get your parent signature**
7. **Turn in forms to Mrs. Naranjo**

