

St. David High School

2019-20

Course Descriptions



St. David High School

Dr. Arleen Kennedy, Superintendent

Mr. Andrew Brogan, Principal

Mrs. Barbie Grapp, Academic Counselor

Mrs. Pam Bradford, CTE Director

Course Offerings- The courses listed in the guide are the course offerings of St. David High School. Please make yourself aware of course sequence and graduation requirements.

Schedule Changes- Schedule changes will be kept to a minimum. Students who are enrolled in a course are expected to complete them. There will be no changing of courses after the first week of a semester.

St. David High School Graduation Requirements

Subject Area	St. David Requirements	University Requirements
English	4 Credits	4 Credits
Math	4 Credits	4 Credits
Science	3 Credits	3 Credits
Social Studies	3 Credits	2 Credits
Vocational/Fine Arts	3 Credits	1 Credit
Electives	6 Credits	Meet St. David Requirement
Foreign Language	No Requirement	2 Credits
Total	23 Credits	

All Freshmen, Sophomores, and Juniors are required to take 6 classes. Seniors are required to take a minimum of 4 classes regardless of how many credits they have.

NON-DISCRIMINATION NOTICE

(Governing Board policies AC and GBA)

Saint David USD No. 21 does not discriminate on the basis of race, color, national origin, sex, age, or disability in admission to its programs, services, activities, in access to them, in treatment of individuals, or in any other aspect of their operations. St. David USD No.21 also does not discriminate in its hiring or employment practices. This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator listed below:

Dr. Arleen Kennedy, Compliance Officer/Title 2
70 E. Patton Street St. David, AZ
520-720-4781
Monday through Friday 7:00 am to 3:30 pm

Mr. Andrew Brogan, 504 Coordinator
70 E. Patton Street St. David, AZ
520-720-4781
Monday through Friday 7:30 am to 3:30 pm

Mr. Jonathan Watts, Title IX Coordinator
70 E. Patton Street St. David, AZ
520-720-4781

Violations shall be reported to the Superintendent. See Governing Board policy AC, AC-R, AC-E, GBA, GBA-R, and GBA-E for details.

Courses offered and Credits earned per Year

Career/Technical Education

Agribusiness & Communications	1
Agricultural Mechanics 1	1
Agricultural Mechanics 2	1
Agriscience Animal	1
Agriscience Plant	1
Baking and Pastry	1
Business Operations 1	1
Business Operations 2	1
Business Operations 3	1
CNA	1
Culinary 1	1
Culinary 2	1
Introduction to Agriscience	1
Medical Professions	1

Electives

Advanced Speech/Debate	1
Law Related Education	1
Principals of Effective Living	1
Hope Squad	
Speech/Debate	1
Teacher Aide	½ per semester
Yearbook	1

English

Advanced Literature and Composition	1
AP English 12	1
English 1	1
English 1 Honors	1
English 2	1
English 2 Honors	1
English 3	1
English 4	1
Literature and Composition	1

Foreign Language

Spanish 1	1
Spanish 2	1

Humanities

Band 1	1
Band 2	1
Band 3	1
Choir	1
Small Ensemble	1

Mathematics

Algebra 1	1
Algebra 2	1
Algebra 3	½
Business Math	1
Geometry	1
Trigonometry	½

Science

Advanced Chemistry	1
Advanced Physics	1
Biology	1
Chemistry	1
Earth Science	1
Physical Science	1

Social Studies

American Government	½
AP US History	1
Economics	½
US History	1
World History/Geography Honors	1
World History/Geography	1

Career/Technical Education

Agribusiness & Communications

The focus of this course is communications in the agricultural industry and the role of agriculture in today's economic system. This course will prepare students to understand, analyze, and communicate about complex issues in food, agriculture and the environment. Topics include career preparation, public relations, sales management, marketing management, communications management, debate, economic principles and concepts, technical writing, journalism, and media relations. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 10-12

Credits: 1

Prerequisite: Introduction to Agriscience

Agricultural Mechanics I

This course will introduce basic engineering and fabrication skills such as laboratory safety, hand tools, power tools, woodworking, concrete, welding, metal fabrication, project design and construction. Students will learn to read and complete project plans. Students will apply learned skills to construct projects. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership.

Grades: 10-12

Credits: 1

Prerequisite: Introduction to Agriscience

Agricultural Mechanics II

This course will focus on developing students' skills in agricultural mechanics applications. Topics include electricity, small gas engines maintenance and troubleshooting, renewable energy and practices, solar photovoltaics, plumbing and irrigation, welding, and land surveying. Students will plan and complete projects and project reports. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 11-12

Credits: 1

Prerequisite: Agricultural Mechanics I

Agriscience Animal

This course will examine animal science principles and practices. Topics include anatomy and physiology, cell biology, nutrition, reproduction, genetics, disease control, quality assurance, veterinary care, and management of animals. Students will also learn research methods and formulate their own scientific investigations. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 10-12

Credit: 1

Prerequisite: Introduction to Agriscience

Agriscience Plant

This course will examine animal science principles and practices. Topics include anatomy and physiology, cell biology, nutrition, reproduction, genetics, disease control, quality assurance, veterinary care, and management of animals. Students will also learn research methods and formulate their own scientific investigations. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 10-12

Credit: 1

Prerequisite: Introduction to Agriscience

Baking and Pastry

This course will expand on skills learned in culinary I focusing on the baking and pastry side. Emphasis will be placed on understanding the science and techniques used in baked goods, decorating, and presentation ideas. Class will have some work base learning with projects that could include planning and catering events.

Grades: 11-12

Credits: 1

Prerequisite: Culinary 1

Business Operations 1

This course is recommended for students who have an interest in Administration and Information Support to learn how to utilize technology to perform and coordinate the administrative activities of an office and to ensure that information is collected and disseminated to staff and clients effectively and efficiently.

Grades: 10-12

Credits: 1

Prerequisites: None

Business Operations 2

Students enrolled in this course will develop publishing, office procedures, transcription, public relations, records management and customer service while integrating the skills attained in the Business Operations I course.

Grades: 11-12

Credits: 1

Prerequisites: Business 1

Business Operations 3

This course provides students an opportunity to engage in learning through participation in an structured work experience that can be either paid or unpaid and does not necessarily require classroom instruction that involves the of application of previously developed BOSAS knowledge and skills. However, the Internship does require applications directly related to the Technical Standards of the Business Operation program.

Grades: 12

Credits: 1

Prerequisites: Business 2

CNA Nursing Services Application

This course prepares students to perform routine nursing-related services to clients in hospitals or long-term care facilities under the training and supervision of a registered nurse. This course will also prepare students for advanced technical skills and knowledge using a variety of nursing assisting techniques and equipment. *This course requires students to spend week-ends and extra out of class time for labs and clinical at local hospital or long-term health facilities.

Grades: 11-12

Credits: 1 (Semester long course.)

Prerequisite: Medical Professions

Culinary 1:

This course prepares students in basic culinary arts skills, including safe food handling practices, nutritional needs, different cooking methods, sauces, baking and pastry and front of the house skills.

Grades: 10-12

Credits: 1

Prerequisite: None

Culinary 2:

This course will expand on skills learned in Culinary I. Learning a deeper understanding of basic skills and applying them to food service. Class will have work base learning, with projects including planning and catering events. Students will be creative and try new and more advanced techniques.

Grades: 11-12

Credits: 1

Prerequisite: Culinary 2

Introduction to Agriscience:

This course serves as the prerequisite to other Agriscience courses. This course will introduce the basics of agriculture, FFA, animal science, plant science, agricultural mechanics, environmental science, natural resources, and agricultural careers. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 9th

Credit: 1

Prerequisites: None

Medical Professions:

An introduction to health careers including basic information such as ethics, professional conduct, infection control, safety, communication and job skills. Some hands-on skills will be taught and some class time will be spent in specialty areas of a health care facility and/or public health agency.

Grades: 10-12

Credits: 1

Prerequisite: None

Electives

Advanced Speech/Debate:

This elective course explores the fundamentals of the communication process (speaking, listening, and nonverbal communication) and public speaking. Units of study include communication theory as well as demonstration, informative, persuasive, and special occasion speeches. Considerable class time will be used to organize, research, outline, present, and critique speeches. Students will review debate, public speaking, and interpretation theory and apply this theory as they prepare, polish, and rehearse for contests. This Class will be a continuation of the Speech and Debate class. Students will work at a more advanced level.

Grades: 9-10

Credit: 1

Prerequisite: Speech/Debate

Law Related Education:

Insert Course Description

Grades:

Credit:

Prerequisite

Principles of Effective Living (Hope Squad):

The class facilitates the HOPE Squad at St. David High School. The HOPE Squad is a school-based peer-focused suicide prevention program that includes an evidence-based suicide prevention curriculum. Along with suicide prevention students promote a positive school environment by engaging other students in meaningful activities, providing education on many subjects related to suicide prevention and resilience to the staff and students and being examples of kindness and caring on the campus. Students may join this class by invitation only.

Grades: 9-12

Credit: 1

Prerequisite: Teacher Request

Speech/Debate:

This elective course explores the fundamentals of the communication process (speaking, listening, and nonverbal communication) and public speaking. Units of study include communication theory as well as demonstration, informative, persuasive, and special occasion speeches. Considerable class time will be used to organize, research, outline, present, and critique speeches. Students will review debate, public speaking, and interpretation theory and apply this theory as they prepare, polish, and rehearse for contests.

Grades: 9-10

Credit: 1

Prerequisite: None

Teacher Aide:

Students will assist the teacher with various tasks.

Grades: 9-12

Credits: ½ (per semester)

Prerequisite: None

Yearbook:

Students will practice skills of photography. They will work on taking picture and organize them to form the yearbook.

Grades: 10-12

Credit: 1

Prerequisite: None

English

Advanced Literature and Composition

This class provides opportunities to write for different purposes and audiences, with an emphasis on learning how to respond to various rhetorical situations; improving critical thinking, reading, and writing abilities; understanding various writing processes; and gaining a deeper knowledge of language conventions. The course will also focus on the study and analysis of various literature pieces. The subject will be taught at a deeper level and student work is expected at a higher level.

Grades: 11-12

Credit: 1

Prerequisite: Literature and Composition

AP English

AP English will focus on reading and writing skills students need for college success. The course will encourage and guide students to become critical and responsive readers. They will work with complex texts and will continue to build reading and writing skills.

Grades: 11 and 12

Credit: 1

Prerequisite: Teacher Request

English 1

This course includes narrative writing, essay writing, discussion skills, the study of grammar, vocabulary and the completion of a research paper. Students will focus on learning how pull evidence from readings, analyze texts, and craft quality forms of writing.

Grades: 9

Credit: 1

Prerequisites: None

English 1 Honors

This Honors course includes the same standards as English 1. These skills will be judged by a higher standard and assignments will be expected to be completed at an advanced level.

Grades: 9th

Credit: 1

Prerequisite: Teacher Request

English 2

This course will include a strong focus on the use of the writing process. In addition, this course will cover grammar, vocabulary and reading comprehension. Students will build on the skills they have developed from English 1 at a deeper level of thinking and understanding.

Grades: 10

Credit: 1

Prerequisite: English 1

English 2 Honors

This Honors course includes the same standards as English 2. These skills will be judged by a higher standard and assignments will be expected to be completed at an advanced level.

Grades: 10

Credit: 1

Prerequisite: Teacher Request

English 3

Students will refine their persuasive, narrative, and expository writing. Students will continue to work with research techniques and will use rubrics to analyze literary selections. They will continue to build their skills in using information from text to form arguments.

Grades: 11

Credit: 1

Prerequisite: English 2

English 4

This course students will expand their knowledge of critical and analytical writing. Students will continue to craft quality argumentative, informative, and narrative writing tasks. Students will improve skills in planning, drafting and revising essays.

Grades: 12

Credit: 1

Prerequisite: English 3

Literature and Composition

This class provides opportunities to write for different purposes and audiences, with an emphasis on learning how to respond to various rhetorical situations; improving critical thinking, reading, and writing abilities; understanding various writing processes; and gaining a deeper knowledge of language conventions. The course will also focus on the study and analysis of various literature pieces.

Grades: 9-12

Credit: 1

Prerequisite: None

Foreign Language

Spanish 1

Students will develop primary listening and speaking skills while learning correct pronunciation and intonation of the Spanish Language. Vocabulary, grammar, oral, and audio activities are used to accomplish this goal. Some geography, culture, and history will also be covered.

Grades: 9-12

Credit: 1

Prerequisite: None

Spanish 2

Students will improve and expand listening and speaking skills through emphasis on pronunciation and intonation of the Spanish language. Students will continue to improve communication skills in Spanish and further their knowledge.

Grades: 10-12

Credit: 1

Prerequisite: Spanish 1

Humanities

Band 1

Band 1 is intended for students who are playing a musical instrument at a beginner or intermediate level. Students will learn how to read and play music, music theory, and participate in programs.

Grades: 9-12

Credit: 1 Credit

Prerequisite: None

Fees: \$35

Band 2

Band 2 is for students who already have an understanding of basic music reading, instrument assembly and maintenance, correct playing position and sound tone production. Instruction offers continued focus on the refinement of tone quality, technique, aural skills and music literacy. Similarly, select students may have the opportunity to transition to instruments that may not have been offered in previous school experiences

Grades: 9-12

Credit: 1 Credit

Prerequisite: Band 1

Fees: \$35

Band 3

Band 3 is for advanced students who have a solid understanding of music reading, instrument assembly and maintenance, correct playing position and sound tone production. Instruction offers continued focus on the refinement of tone quality, technique, aural skills and music literacy. Similarly, select students may have the opportunity to transition to instruments that may not have been offered in previous school experiences.

Grades: 10-12

Credit: 1 Credit

Prerequisite: Band 2 or Teacher Approval

Choir

Students will be singing music from many different genres. Basic theory and sight-singing skills are taught during this class. Students will be expected to perform in 2-3 concerts during the year.

Grades: 9-12

Credit: 1 C

Prerequisite: None

Small Ensemble

The small ensembles studies class is a performance driven class. This class is intended for those students who seek more performing opportunities at a higher level of music. Students will perform as soloists, as well in smaller groups. Students will also get the opportunity to perform in "mixed ensembles", where instrumentation varies tremendously.

Grades: 9-12

Credit: 1

Prerequisite: Teacher Approval

Math

Algebra 1

This course covers the terms used in algebra, simplification of rational expressions, operations with real numbers, operation with polynomials, factoring, equations, inequalities, word problems, open sentences in two variables, irrational numbers, and the quadratic formula. This course will also cover content necessary to prepare for Algebra 2.

Grades: 9

Credit: 1

Prerequisite: None

Algebra 2

This course covers a review of Algebra 1, the use of proofs in algebra, inequalities, systems in two and three variables, graphing on the coordinate system, operations of polynomials, solving equations (linear and quadratic) and word problems.

Grades: 9-10

Credit: 1

Prerequisite: Algebra 1

Algebra 3

This course will include new topics and applications of some topics addressed in Algebra 1, Geometry, and Algebra 2 at a more rigorous level. Topics in this course will include sequences and series, conic sections, linear and non-linear systems, functions and trigonometry.

Grades: 11-12

Credit: ½ (semester course)

Prerequisite: Algebra 2 with at least a B grade.

Business Math

This course examines the fundamental of business mathematics and the use of the number language to communicate in the business world.

Grades: 11-12

Credit: 1

Prerequisite: Algebra 2

Geometry

In this course, students will learn how to use mathematic tools to investigate geometric principles and relationships. Topics of study will contain theorems, axioms, postulates, triangles (congruent and similar). Polygons, circles, quadrilaterals, parallel lines, proofs, right triangles (congruent and similar) and formulas (perimeters, areas, volumes).

Grades: 10-11

Credit: 1

Prerequisite: Algebra 2

Trigonometry

Following Algebra 3, this course will cover the study of logarithms and trigonometry (using tables and calculator) and trigonometric proofs of functions of single, double, and half-angles. The students will analyze and graph mathematical functions.

Grades: 11-12

Credit: ½ (semester course)

Prerequisite: Algebra 2 with at least a B grade

Science

Advanced Chemistry:

Students will learn topics addressed during the entry-level college chemistry in a contextual format. Students will learn about chemistry topics including matter, light, stoichiometry, thermochemistry, the gas laws, solutions, and acid-base chemistry through real-world contexts such as pollution, ocean acidification, and fuels. Students should expect to read articles and practice concepts, skills, and mathematical techniques daily outside of class. Chemistry Honors is more conceptually and mathematically rigorous than general chemistry, with higher expectations for work quality.

Grades: 11-12

Credits: 1 (offered every other year)

Prerequisites: Must have completed Chemistry with a B or better.

Advanced Physics:

An introduction to principles of physics, including properties of motion, energy, light, optics, electricity, and electromagnetism. Concepts of modern atomic physics are also covered.

Grades: 11-12

Credits: 1 (offered every other year)

Prerequisites: Algebra 2 with a grade of B or better.

Biology:

An introduction to fundamental concepts and principles of biology, including the scientific method, cell structure and function, and ecology; major taxonomic groups of plants and animals will be examined.

Grades: 10

Credit: 1

Prerequisites: None

Chemistry:

An introduction to the principles of chemistry, including nomenclature; solving chemical equations; atomic and molecular structure; periodic table; the nature of solids, liquids and gases; energetic; and reactions of common chemicals. Substantial application of basic algebra is required during the course.

Grades: 10-12

Credits: 1

Prerequisites: Algebra 1 with a grade of a B or better

Earth Science:

An examination of the major forces affecting the earth, including weather, climate, soil & rock formation, water cycle, and plate tectonics. An overview of the solar system will also be covered.

Grades: 9-11

Credits: 1

Prerequisites: None.

Physical Science:

An introduction to the basic physical and chemical phenomena that control and govern the world in which we live and their applications in technology. Areas that will be covered include such topics as molecular structure and chemical reactions, forces, electricity, magnetism, gravity, waves, and light.

Grades: 9-11

Credit: 1

Prerequisites: None

Social Studies

American Government

This course will focus on America's democratic principles and values. Students will be able to identify and describe interactions among branches of government. Students will learn and identify how the Constitution shaped our country as well as identify a citizen's civic duty.

Grades: 10-11

Credit: ½ (semester course)

AP US History

Students will explore events of U.S. history through the use and analysis of documents, images, cartoons, quantitative data, and other primary sources. Students will also develop an understanding of major themes in U.S. history, including American identity, economic and social life, political change and continuity, and the U.S. role in the world.

Grades: 11-12

Credits: 1

Prerequisite: Teacher Request

Economics

Students will study both general theory and specific real-world applications to understand the economic functions of our society. Topics covered include basic concepts of workings of markets, supply, demand, fiscal, and monetary policy, and governmental roles.

Grades: 10-11

Credit: ½ (semester course)

World History/Geography

Students will study the history of ancient world civilizations, their political systems, geography, and economic structures. Students will also study the effects the early civilizations have on the current world. Geography will be a component of the studies within this class.

Grades: 9th

Credit: 1

Prerequisite: None

World History/Geography Honors

This course is designed to teach students about major cultural, social, religious and political issues around the world. This Honors course will go deeper into the concepts and will explore interrelated topics. Geography will have be a component of this class.

Grades: 9th

Credit: 1

Prerequisite: Teacher Request

US History

Students will study the development of cultural, social, political and economic themes from the colonial era to present day America. The class will use research skills as well as critical thinking skills to draw connections between past and current events.

Grades: 11

Credit: 1