

## 10th GRADE CATS CLASS DESCRIPTIONS

- **Academic Support** This class is designed for students seeking a quiet place to study and complete projects for classes. Support classes are encouraged for students who are involved in extracurricular activities or responsibilities. Support classes offer an opportunity for students to use their time more efficiently throughout the course of a school day.
- **Academic Support Girls/Boys Golf** This class is designed for students seeking a quiet place to study and complete projects for classes. Support classes are encouraged for students who are involved in Golf or other extracurricular activities or responsibilities. Support classes offer an opportunity for students to use their time more efficiently throughout the course of a school day.
- **AFJROTC (BY TEACHER PLACEMENT)** This course is for participants who are serving leadership positions in the AFJROTC program. These students will be selected by the instructors of the AFJROTC program.
- **All State Band/All State Vocal** These courses are designed to assist students trying out for All State positions & working on the selections after the groups are determined.
- **Animal Kingdom** This course includes animal nomenclature characteristics, behavior, genetics, niches, and importance to ecosystems, a scavenger hunt where students collect and identify various phyla, classes, orders, and families for specific critters.
- **Bake Club** This class is designed to explore baking and pastry techniques, create beautiful and delicious sweet treats, compete with your classmates in Quick Fire Challenges, Plated Dessert competitions, and more. Discover the science behind baking and hone your recipe math and measurement skills.
- **Ballistics** A study of the mathematics behind projectile motion. This course would potentially include everything from throwing a ball up and including discharging a firearm. Students will need to be able to understand quadratic equations.
- **Basketball Theory** This course is designed for students participating in basketball at SHS. The main focus for this class is to analyze game film both of Scottsbluff and their opponents. An emphasis will be placed on offensive and defensive strategies as well as plays/drills for individual skill development.
- **Bearcat MathCasters** If you have ever asked your math teacher “when will I ever use this again in my life?” Maybe it’s time you explore that question a little deeper. This course allows you to discover how math is used everyday by writing and recording podcasts on math topics that interest you. Open to all students.
- **Biology Support** is designed to help students with their regular Biology studies. Any student that feels they would benefit from either extended time or re-teaching of concepts should consider a support class option.
- **The Civil War** Many historians view this struggle as the centerpiece of American history. This class will explore, in detail, the war and how it impacted the nation at the time and set in motion forces that still impact us today.
- **The Cold War** For more than forty years, the United States and the Soviet Union engaged in a titanic struggle that easily could have ended life on earth. This class will examine this pivotal period and demonstrate its impact on today’s world.
- **CPR/First Aid** This course will empower students to learn the core lifesaving skills of CPR, AED, choking relief, and first aid. At the end of the class, the student will receive a certification card.
- **Creative Writing** The course is designed for students to create original forms of descriptive writing, poetry, and fiction. Vocabulary development, creative writing techniques, and skills are explored. Chromebooks are used for composition. Writings are presented orally and in written form.
- **Credit Recovery** This class is for students working on Edgenuity for credit recovery
- **Cryptology** People have always had a desire to keep communication between two people, between just those two. One of the ways this is accomplished is with the use of codes and ciphers. Cryptology is the study of codes and this course will include historical methods up to current cryptology practices employed daily and those of a potential future where quantum computing makes current methods obsolete. This course is open to all students.
- **DECA Prep** This course is for **students involved in the DECA program**. It will help them with written projects, speeches, and competitive events. This course is designed to prepare students for their state competitions.
- **Digital and Graphic Arts Projects** This course is designed for students enrolled in Video Production or Digital and Graphic Arts courses that need extended time to utilize advanced equipment in order to enhance and refine their independent projects.
- **DIY Sewing and Crafts** This course is designed for students looking to develop or strengthen their skills and dive deeper into sewing or craft projects. This class offers students an opportunity to use their creative skills to construct various sewing or craft projects identified or approved by the instructor.
- **Drawing Boot Camp** This course is designed for students interested in furthering their sketchbook drawing skills using artists' materials of graphite pencils, pens, markers and colored pencils. Students can continue to develop their personal voice in drawing techniques using proportions, textures, depth, compositions and story.
- **Ed Rising/FCCLA/Field Experience** This is a course for students who are members of Educators Rising, FCCLA, or participating in the Field Experience Internship. Students will work on Educators Rising micro credentials, Ed Rising/FCCLA competitive event projects, and develop essential skills necessary to begin their college program in education or human sciences.
- **E Sports** This course is for students interested in competing in the ESports program. Students, based on their skill levels, will compete in various games and be grouped based on their talent levels.
- **Effective Presentations** This course is designed for any student wanting to improve on their presentation skills. Students will practice presenting to an audience and refine their skills in order to become effective at marketing and selling their presentations. This course will benefit all CTSO students competing in oral presentation events.

- **FFA Prep** This class is designed for FFA participants that are competing at the district, state, and national levels. Students utilize this time to prepare for upcoming competitions.
- **Football Theory** This course is designed for **varsity football participants**. Students will learn how to analyze game film, learn types of strategies and tendencies, and gain a better understanding of the game.
- **Fundamentals of Track & Field** This class is intended for athletes that are competing on the **Scottsbluff Varsity boys/girls track & field team**. Students will learn about the jumps, throws, pole vault, and hurdles through film study. Students will receive instruction on team leadership elements included in the 3D Coaching program. (Offered 4th Quarter)
- **Games and Rules** - This class is designed for students to learn about various games and activities and the rules surrounding those games. Students will study controversial calls that have impacted sport history. In addition, students will learn what is needed to officiate lower-level games as a potential source of making income.
- **Genocide** This course is the study of the events of genocide through history and the impacts these events have had on modern society.
- **Graphic Novels as Literature** This course will look at the evolution of the graphic novel from comic book to full-fledged novels and the value of these books. Students will read a variety of nonfiction and fiction novels and hold book table discussions about the various elements of a graphic novel and the impact graphic novels could have on school and society.
- **Greatest Movies and Television Shows That Impact Culture** This course will look at how film and television have shaped culture and how culture influences the medium.
- **Health Occupations Student Organization (HOSA)** This course is for students to prepare for HOSA State Leadership Conference. Students must be **active members in HOSA** to participate in this class.
- **Historical Movies** - Have you ever wondered how historically accurate a movie is? In this CATS we will watch movies and discuss their accuracy. We will also discuss why some movie producers would intentionally not tell the truth.
- **Intro to Fly Fishing** This course is designed for students interested in fly fishing. This course will include technique, entomology, fly tying, and species identification.
- **Intro to Speech Writing** This course will focus on the essentials of effective speech writing including understanding the main elements of speeches, examining your audience, identifying the purpose of your speech, gathering required information, selecting key points, resting an outline, selecting an organizational pattern, considering rhetorical devices, and practicing and receiving feedback. This course is for anyone who may ever need to give a speech. It is open to any student at SHS. If you are in an activity that requires you to speak in front of people, this CATS class is for you.
- **Let's take a Vacation** In this class, students will plan a dream vacation in the United States using Internet Search Engines. You will be given a budget to work with to plan a week-long vacation. Things to consider are travel arrangements, food, and entertainment. At the end of the 9 weeks you will present your vacation by power point to the class to see which class mates would like to travel with you ☺ I will be planning my dream vacation with you!
- **Math Club** This class is intended for students to prepare to compete in the Colorado State/ UNL Math Day contests in November.
- **Mathematics History** Most of the time, a mathematician is thought of as a dusty old figure from history and that mathematics is only for certain people. This course will introduce students to the history of the people behind the mathematics that we use today as well as providing perspective as to why we have the mathematics that we do. This course is open to all students.
- **Mathematics in Art** Luca Pavioli once said, "Without mathematics, there is no art." We will investigate fractals, visual representations of infinity, mathematical origami, the impact of the Golden Ratio on Renaissance art, and the influences of mathematics on graphics in video games. Students of all grade levels and backgrounds are welcome to participate.
- **Math Support classes** are designed to help students with their regular studies. Any student that feels they would benefit from either extended time or re-teaching of concepts should consider a support class option. Support classes are encouraged for students involved in extracurricular activities, students working at night, or students struggling with content. Support classes offer an opportunity for students to use their time more efficiently throughout the course of a school day.

#### Algebra 2 Support

#### Advanced Math Support

#### Geometry Support

- **Mock Trial** This course is designed for students on the Mock Trial team. The class will provide extended time for students to prepare for upcoming competitions.
- **Musical Leads** This class will be for all members of the musical cast with a major role in the show or for students who wish to help out on a crew. Cast members will dig deeper into their singing and dramatic roles. Crew members will help out wherever needed doing painting, building, lighting, program or PR work.
- **Peer to Peer Mentoring** Students will be mentoring a student who is developmentally delayed. They will be required to be a positive role model at all times, will have to conduct a conversation daily with the student, and arrange to eat lunch with the mentee at least once a week. The mentor will be a contact for the mentee and should learn appropriate social behavior.
- **Political Assassinations** This class offers students the chance to explore some of the most notorious assassinations of the past and present. Students will evaluate theories, plots, and historical outcomes of these assassinations.
- **Science Mysteries and Discoveries** Students will study the great mysteries and discoveries of Science in the 21<sup>st</sup> Century. Topics may include black holes, time travel, Nobel Prize winners and many more exciting topics based on students' interests.

- **Skills USA** This course is designed for students participating in the SHS SkillsUSA Chapter. During this course, students will plan service learning projects, fundraising opportunities, and prepare for future competitions.
- **Soccer Theory** This class is designed to help students in all grades understand the technical and tactical aspects of the game of soccer. We will cover topics such as the principles of attacking and defending, systems of play, positional responsibilities and game management.
- **Special Teams Techniques** An in-depth study and analysis of Football Special Teams. This class is intended for athletes that are competing on the **Scottsbluff Varsity Football Team and are part of the special teams unit.** Students will learn about kicking, putting, and snapping. Students will receive instruction on team leadership elements included in the 3D Coaching program.
- **Speech Preparation/Speech Practice** This class is for students on the speech team to be able to practice for competitions.
- **Theatre Production** This course is designed for students interested in the theatre industry. Students will learn concepts, skills and terminology associated with Theatre Production.
- **The Invisible Mathematician** Come explore the lesser known history of women and people of color in mathematics. This course will allow students to freely study and examine the lives of impactful mathematicians throughout history. Specifically those most often left out of history books. Open to all students.
- **Vocal Solos** This class will be for choir students who wish to further their voice training. Students will prepare solo pieces to be performed at District Music Contest, college scholarship and/or honor choir auditions.
- **Wilderness Skills** In this class, students will learn about camping, fishing, hunting. Some teaching points include but are not limited to tying knots for fishing, types of lures, fishing tactics; best locations to fish, how to clean fish, how to cook fish, starting fires, staying warm, where and how to find animals, and how to stay safe.
- **WoodWorking Projects** This course is designed for students that would like extended time during the day to work on small woodworking projects. Students interested in the class must have successfully completed a minimum of one semester of Intro to Skilled and Technical Services.