

INFINITY MIDDLE SCHOOL



2024-2025 Electives Guide

2024-2025 Electives Guide Table of Contents

	Page
<u>Contact Information</u>	3
<u>Elective Offerings</u>	4
❖ <u>6th Grade Offerings</u>	4
• Year Long Electives.....	4
• Semester Long Electives.....	5
• Quarter Long Electives.....	6
❖ <u>7th Grade Offerings</u>	11
• Year Long Electives.....	11
• Semester Long Electives.....	14
❖ <u>8th Grade Offerings</u>	19
• Year Long Electives.....	19
• Semester Long Electives.....	22

Welcome to Infinity Middle School

Our Vision

Inspire * Empower * Innovate

Our Mission

We are committed to
unlocking the infinite potential of each learner to make
our world a better place

Contact information:

Main Office	720-886-6000
Principal - Diana Price	720-886-6011
Assistant Principal - Tyler Johnson	720-886-6004
Assistant Principal - Mary Allman	720-886-6034
Instructional Support Admin - Melissa Zahler	720-886-6007
Office Manager - Dani Ritz	720-886-6002
Student Support Admin - Josh Brink Student Support Admin - Charmaine Jackson	720-886-6091 720-886-6010
Counselors - Carolyn Norwood Counselors - Roxanna Villarreal Registrar - Erika Ramirez	720-886-6006 720-886-6079 720-886-6090
Bookkeeper - Alondra Castillo	720-886-6003
Attendance - Heidi Arkema	720-886-6005
Transportation	720-886-7409
School Website	Infinity.cherrycreekschools.org
District Website	Cherry Creek School District No. 5 / Homepage (cherrycreekschools.org)

The following are up to date elective offerings. Please be aware that final class offerings may change based on enrollment or staffing.

6th Grade Elective Offerings: *Students are enrolled in two elective classes per day/daily. 6th grade students can choose one of the following options:*

- *2 Year Electives*
- *1 Year Elective & 4 Quarter Electives*
- *8 Quarter Electives*
- *1 Year Elective & 1 Semester Elective & 2 Quarter Electives*
- *1 Semester Elective & 6 Quarter Electives*

YEAR LONG ELECTIVES:

Band 6:

Band 6 is a one-year course for students who want to learn to play a woodwind, brass, or percussion instrument, but have little or no experience. All instruments must be purchased or rented at a music store. Class expectations include regular home practice, daily class participation, and attendance at two evening concerts through the school year. We will focus on the development of skills necessary to become independent as a musician, including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western music. The importance of sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected.

CONTENTS/UNITS OF STUDY:

We will work on fundamental tone production, establishing a group pulse, and basic rhythms. We will perform exercises and music in the keys F, Bb, Eb, and Ab with appropriate ranges for each instrument.

ASSESSMENT: Weekly playing tests and occasional written tests. There will be opportunities for improvement as needed.

Orchestra 6:

Orchestra I is a one-year course for students who want to learn to play the violin, viola, cello, or bass. Class expectations include regular home practice, daily class participation, and attendance at performances through the school year. We will focus on the development of skills necessary to become independent as a musician, including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western string music. The importance of sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected.

CONTENTS/UNITS OF STUDY:

We will work on establishing a group pulse, right and left hand technique, tone production, and basic rhythms. We will also perform exercises and music in the keys of D, G, and C with appropriate ranges for each instrument.

ASSESSMENT: Weekly playing tests and occasional written tests. There will be opportunities for improvement as needed.

SEMESTER LONG ELECTIVES:

Choir 6:

Choir 6 is an introductory level, one semester (half year) class available for all students who want to develop their singing voices in an ensemble setting, but have little to no experience. Class expectations include regular at-home practice, daily class participation, and attendance at performances including those that occur outside of normal school hours (traditionally in the evenings). We will focus on the development of skills necessary to become independent as a musician including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western music. The importance of sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected.

CONTENT/UNITS OF STUDY:

We will work on the fundamentals of music-reading including note-identification and beginning rhythmic studies, healthy vocal production that focuses on breathing and posture, aural skills that involve active listening, and ensemble skills such as a steady group pulse and the identification of unified sound.

ASSESSMENT: In addition to expected participation and performances, there will be rehearsal/practice assessments. There will be opportunities for improvement as needed.

QUARTER LONG ELECTIVES:

AVID 6:

AVID (Advancement Via Individual Determination) AVID is a college preparatory elective class for sixth, seventh and eighth grade students who desire higher academic achievement. AVID provides motivated students with skills needed to be successful in the rigorous middle and high school curriculum in preparation necessary for a college and career future. AVID focuses on writing, inquiry, collaboration, reading, organization, real world connections and specific student support. Students interested in AVID have a 2.5- 3.5 grade point average, good school attendance & behavior, average or higher test scores in reading and math, and a willingness to commit to rigorous class work. Interested students must fill out an application and participate in an AVID interview for selection.

Art Digital Art:

In this exciting course, 6th graders will embark on a creative journey into the world of digital art. Through a variety of hands-on projects, students will explore the fundamentals of digital art creation, including:

- Digital drawing and painting: Using digital tools to create illustrations, paintings, and mixed media artworks.
- Photo editing and manipulation: Enhancing and transforming digital photographs using various editing techniques.
- Graphic design: Creating visually appealing designs for logos, posters, and other graphic elements.

Course Objectives:

By the end of this course, students will be able to:

- Utilize various digital art software and tools
- Apply digital art concepts to create original artworks
- Employ graphic design principles to communicate effectively
- Develop their creativity and problem-solving skills
- Foster an appreciation for digital art as a form of expression

Intro to Art Design Studio:

Color, shape, form, texture, space, value, and line! These are the ingredients to make some tasty art projects out of paper, clay, paint, color pencils, and more! If you like exploring different ways of making art, different art styles, and a variety of art materials, this is the class for you. If you wish you had more confidence about making art, this class is also just right for you to grow your skills and whip up some new creations. No previous art or drawing experience required. Turn yourself into a more confident artist as you cook up some fun

projects and gain new creative skills. Learn the habits and skills you'll need to work in your own art studio.

CONTENTS/UNITS OF STUDY:

- Elements of Art
- Color Theory
- Mixed Media
- Clay / 3-D Art
- Drawing
- Painting

Health 6:

The focus of Health for all grade levels is on the principles of Physical and Personal wellness, Social and Emotional Wellness, and Prevention and Risk Management.

Students will engage in many health-related topics including nutrition, stress management, healthy relationships, conflict resolution, human growth and development, substance abuse, and safety training. Students will also practice skills including goal setting, communication, effective refusal, esteem building, resiliency, accessing and utilizing resources, decision-making, problem-solving, and analysis.

Course design is rooted in the Colorado State Standards and Grade Level Expectations.

In 6th grade Health students will:

Apply knowledge and skills to engage in lifelong healthy eating habits. Analyze how positive health behaviors can benefit people throughout their lifespan. Utilize knowledge and skills to enhance mental, emotional, and social well-being. Apply effective verbal and non-verbal communication skills to enhance their health and relationships.

Introduction to World Languages:

This 6th grade elective class is an exploration of languages and cultures around the world. The goal is to inspire students to further their language education in middle school and beyond. Students will learn about new perspectives and cultures, and make meaningful connections to their core classes. Students will investigate how we naturally learn language, how language differs from region to region, and finally, they will be introduced to what it is like to study and learn another language.

This course is an exploration of languages around the world where students will experience a sampling of a variety of languages and cultures, allowing them to make individual connections to our diverse world in a meaningful way.

Colorado World Language Standards:

- Culture: Interact with cultural competence and understanding.
- Connections: Connect with other disciplines and acquire information and diverse perspectives in order to use the language to function in academic and career-related situations.
- Comparisons: Develop insight into the nature of language and culture in order to interact with cultural competence.

CONTENTS/UNITS OF STUDY:

- Vocabulary and language skills in various languages.
- Cultural practices from around the world.

ASSESSMENT: Various check-ins for understanding, participation and Language Acquisition\Growth

PE 6:

This course provides an introduction to fitness components using a variety of sport skills and cooperative strategies. Personal and social responsibility through physical activity settings is highlighted throughout the course. Students expend their energy in challenging games and seek to understand the fundamentals of being an active individual so that they might value physical activity for the rest of their lives. A variety of individual and team games will be covered as well as individual fitness. Through regular participation in physical activity, students will have the opportunity to develop a pattern of life-enhancing and self-rewarding experiences that contribute to their potential to be healthier members of society. Students are challenged to participate daily in healthy choices and health enhancing activities and behaviors.

CONTENTS/UNITS OF STUDY:

- Badminton
- Soccer
- Volleyball
- Basketball
- Floor Hockey
- Flickerball
- Fitness and Goal Setting

ASSESSMENT: Daily warm-up, unit participation, physical literacy, fitness growth, and skill testing.

Science Busters 6:

With a focus on the Science and Engineering portions of the STEM educational program, this class gives students a variety of projects to find a part of science and STEM that they connect to. Students will complete a few hands-on design challenges and get to work with microscopes and other scientific tools. At the end of the class the goal will be for students to design and conduct their own experiment after being given a topic. Students will have an opportunity to work within a variety of applications needed for the classroom, complete design building activities and challenges utilizing the Engineering Design Process. In addition, classes will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces.

CONTENTS/UNITS OF STUDY:

Science, Technology, Engineering, and Math

Projects will vary due to time constraints and student interest but will always include

- Building and testing a bridge
- Using a Microscope
- Experimental Design Process for Science

ASSESSMENT: Daily notebook work and written reflections on the successes and failures of their projects

STEM:

With a focus on Technology and Engineering portions of the STEM educational program, this class dives into the how and the why of technologies around us. Students will have an opportunity to work within a variety of applications needed for the classroom, complete design building activities and challenges utilizing the Engineering Design Process, have an introduction to computer coding and computer aided design software, and explore career pathways in these areas. In addition, classes will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces.

CONTENTS/UNITS OF STUDY:

Civil Engineering, Electrical engineering, Mechanical engineering

- Digital and Tool Safety Hand tools: Screw drivers, hammer, hand drill, hand saw
- Robotics Choice CUE Bots
- Schoology (This will be the main online tool used for At Home Assignments)
- Cardboard Challenge
- Coding - Hour of Code and Scratch
- Electric circuits
- Circuitry with Makey Makeys / Micro bits
- Aerodynamics - Flight - Airplanes and Rockets
- Bridges or other projects as determined by the class needs

ASSESSMENT: Class Participation, Unit Production Projects Daily Bell Work

Tech Video Production:

Introduction to Video & Programming is designed to provide students with the foundational literacies of Digital Media and Technology. Students will explore topics relating to digital citizenship, typing & document formatting, video production and editing, and programming. Students will have the opportunity to learn about and discuss their personal responsibilities as content creators in the digital world and share their multimedia work with the school community.

UNITS OF STUDY:

- Digital Citizenship
- Typing & Document Formatting
- Programming
- Video Creation

ASSESSMENT: Colorado Essential Skills, ISTE Student Standards

Theater Arts 6:

This is a quarter long class where students will begin the quarter with getting-to-know-you activities, vocabulary, and stage positioning. Our focus then moves onto the basics of theater where we explore what theater is and why it is a crucial portion of their education. We will dive into topics such as ensemble, movement and space, puppetry, character development, objectives and tactics, concentration, and voice for the first half of the quarter. For the second half of the quarter we will read a play and do scenes from that play.

CONTENTS/UNITS OF STUDY:

- Theater Vocabulary
- Stage Positioning
- Ensemble
- Pantomime
- Puppetry
- Character Development
- Objective and Tactic
- Voice
- Play Study

ASSESSMENT: Daily Warm ups, Daily Drama Journal Entries, Performances, Vocabulary Tests

7th Grade Elective Offerings: *Students are enrolled in two elective classes per day/daily. 6th grade students can choose one of the following options:*

- *2 Year Long Electives*
- *1 Year Long & 2 Semester Electives*
- *4 Semester Electives*

YEAR LONG ELECTIVES:

AVID 7:

AVID (Advancement Via Individual Determination) AVID is a college preparatory elective class for sixth, seventh and eighth grade students who desire higher academic achievement. AVID provides motivated students with skills needed to be successful in the rigorous middle and high school curriculum in preparation necessary for a college and career future. AVID focuses on writing, inquiry, collaboration, reading, organization, real world connections and specific student support. Students interested in AVID have a 2.5- 3.5 grade point average, good school attendance & behavior, average or higher test scores in reading and math, and a willingness to commit to rigorous class work. Interested students must fill out an application and participate in an AVID interview for selection.

Band 7:

Band 7 is a one-year course for students who want to continue learning how to play a woodwind, brass, or percussion instrument, and are continuing in the program. Class expectations include regular home practice, daily class participation, and attendance at performances through the school year. We will focus on the development of skills necessary to become independent as a musician, including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western music. The importance of sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected.

CONTENTS/UNITS OF STUDY:

We will review the concepts taught in Band I. Then, we will begin to add 16th notes and triplets, triple meters, cut time, and perform music in the keys of F, Bb, Eb, Ab, C, G, and D with appropriate ranges for each instrument.

ASSESSMENT: Weekly playing tests and occasional written tests. There will be opportunities for improvement as needed.

PREREQUISITES: Prior experience preferred but not required.

Choir 7:

Choir 7 is a one-year class available for students who want to continue to develop their singing voices in an ensemble setting with opportunities of solo singing. This class is a progression of what was covered in Choir 6. Class expectations include regular at-home practice, daily class participation, and attendance at including those that occur outside of normal school hours (traditionally in the evenings). We will focus on the continued development of skills necessary to become independent as a musician including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western music. The importance of sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected. Students must have the signature of the teacher to sign-up for this class.

CONTENT/UNITS OF STUDY:

We will review content covered in Choir 6. We will build on the fundamentals of music-reading including note relationships and intermediate rhythmic studies, continue to foster healthy vocal production that focuses on breathing and posture, aural skills that involve active listening, and ensemble skills relating to multi-part music.

ASSESSMENT: In addition to expected participation and performances, there will be rehearsal/practice assessments. There will be opportunities for improvement as needed.

Orchestra 7:

Orchestra 7 is a one-year course designed for the student who has at least one year of previous experience on a string instrument. It includes further development of those skills necessary to become independent as a musician. Class expectations include regular home practice, daily class participation, and attendance at performances throughout the school year. This course emphasizes the place of string music in the Western musical heritage. It concentrates on the development of style, articulation, dynamics, rhythmic ability, and tone inherent to string music performance. The importance of sustained group and individual effort is stressed. A progression of technical proficiency is expected and emphasis will be placed on having a variety of performing experiences.

CONTENTS/UNITS OF STUDY:

We will review the concepts taught in Orchestra 6. Then, we will begin to add 16th notes and triplets, triple meters, cut time, and perform music in the keys of D, G, C, A, F, and Bb with appropriate ranges for each instrument.

ASSESSMENT: Weekly playing tests, occasional written tests, and weekly practice. There will be opportunities for improvement as needed.

PREREQUISITES: Prior experience preferred but not required.

Spanish A:

The seventh grade Spanish course will focus on broadening our students' understanding about how culture is reflected and expressed through language. The primary objective of this year is capitalizing on our students' excitement and confidence in learning a non-native language and learning through fun games and activities. The class will emphasize communication in Spanish through listening, reading, writing and speaking. This course is a yearlong class designed to be the equivalent of first semester of high school Spanish 1.

This year's curriculum is designed to:

- Build confidence in listening, reading, writing and speaking a non-native language while engaging in basic conversations.
- Introduce students to the rich and diverse cultures that use the language.
- Deepen students' understanding of language through comparative analysis with native language(s).
- Prepare students to continue their language study in eighth grade Spanish B.

CONTENTS/UNITS OF STUDY:

- Vocabulary and language skills in Spanish
- Intermediate Spanish grammar
- Hispanic cultures

ASSESSMENT: Various check-ins for understanding, participation and Language Acquisition Growth

Semester Long Electives:

Art 7 Studio Art:

Pack your suitcase and your creativity as we travel around the world to experience the multicultural art of many nations. This international art trip may stop at destinations such as: Japan, China, Canada, India, Australia, Ireland, and Mexico. Art is an international language that you can speak! Learn the stories behind how and why various cultures have used art to create their own identity...and share yours, too! You will use a variety of media such as paper, clay, paint, color pencil, and more. If you like to explore different cultures, this is the art class for you. No previous art or drawing experience required.

Contents/Units of Study:

- Print-making
- Painting
- 3-D Art
- Metal Art
- Drawing
- Mixed Media
- Illustration

Art Drawing And Painting:

This course is designed to introduce middle school students to the fundamentals of drawing and painting. Through a variety of hands-on activities, students will learn about basic concepts such as line, shape, proportion, and color. They will also experiment with different media, including pencils, charcoal, pastels, and watercolors.

Course Objectives:

By the end of this course, students will be able to:

- Draw and paint from observation
- Create original compositions
- Use different media effectively
- Understand the principles of design
- Develop their creativity and self-expression

Audio Video Production 7:

Audio Video Production is designed to provide students with practical skills and experience with video equipment, cameras, editing software, filmmaking processes, broadcast journalism, and the entertainment and informational media industries. Students will experience topics such as interviewing, scripting & storyboarding, public speaking, filmmaking, voice acting, and journalism. Students will have the opportunity to join the Viper News video announcements that are broadcast to our school community.

CONTENTS/UNITS OF STUDY:

- Scriptwriting & Storyboarding
- Camera Equipment
- Film Production Techniques
- Audio Production
- Film Editing
- Audio Design

ASSESSMENT: Colorado Essential Skills, ISTE Student Standards

Computer Science Discoveries 1:

The Computer Science Discoveries class provides students with opportunities to create and interact with various forms of multimedia technology. Students will explore topics relating to game programming, website development, computer hardware systems, and digital finances. Students will have the opportunity to learn about and discuss their personal responsibilities as content creators in the digital world and the ethics of business in the digital world.

CONTENTS/UNITS OF STUDY:

- Digital Citizenship
- Computer Systems
- Programming
- Website Development
- Digital Finances

ASSESSMENT: Colorado Essential Skills, ISTE Student Standards

Health 7:

The focus of Health for all grade levels is on the principles of Physical and Personal Wellness, Social and Emotional Wellness, and Prevention and Risk Management.

Students will engage in many health-related topics including nutrition, stress management, healthy relationships, conflict resolution, human growth and development, substance abuse, and safety training. Students will also practice skills including goal setting, communication, effective refusal, esteem building, resiliency, accessing and utilizing resources, decision-making, problem-solving, and analysis.

Course design is rooted in the Colorado State Standards and Grade Level Expectations.

In 7th grade Health students will:

Apply personal safety knowledge and skills to prevent and treat injury. Analyze factors that influence healthy eating behaviors. Demonstrate knowledge and skills necessary to make personal decisions that promote healthy relationships. Develop healthy self-management skills to prevent and manage stress. Apply knowledge and skills to make health-enhancing decisions regarding the use of marijuana, illegal drugs, prescription drugs, alcohol, and nicotine.

PE 7:

Students engage in a variety of games, sports, skill development, and fitness to develop their physical abilities and expand their activity preferences. Understanding the fundamentals of being an active individual is a focus of this course. Students are assessed on their demonstration of safety, teamwork, and personal improvement, and physical literacy.

CONTENTS/UNITS OF STUDY:

- Badminton
- Pickleball
- Soccer
- Volleyball
- Basketball
- Softball
- Floor Hockey
- Flag Football

ASSESSMENT: Daily warm-up, Unit participation, Fitness growth and Skills testing.

Robotics Engineering I:

With a focus on Technology and Engineering portions of the STEM educational program, this class dives into using and creating with the technologies around us. Students will have an opportunity to explore and research a few areas of inventions based on their interest and knowledge from other classes. They will design and build their own creations from their research utilizing the Engineering Design Process. They will further build on their computer coding, computer aided design skills, and engineering design skills and explore career pathways in these areas. In addition, students will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces.

They will also investigate robotic designs and how they are used in real life. Students will examine the various ways robots are programmed to work - color coding, block programming and remote driving. In addition, classes will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at

future workplaces.

CONTENTS/UNITS OF STUDY:

- Cardboard Challenge: Students design and build something made from recycled cardboard.
- Limited Woodworking with the use of the following tools Lathes, Band Saw, Scroll Saw, Power drill, Drill press students will create various objects
- CAD Design and Laser Engraving/CNC Mill
- Solidworks for 3D Printing
- Computer Coding (Scratch/Hour of Code, HTML)
- Block Coding using the following robots: Edison Robots, Mindstorm robots, VEX (8th grade only)
- Programming Arduinos
- Building electric circuits

ASSESSMENT: Class Participation, Unit Production Projects Daily Bell Work

Science Busters 7:

With a focus on the Science and Engineering portions of the STEM educational program, this class gives students a variety of projects to find a part of science and STEM that they connect to. Students will complete a few hands-on design challenges and get to work with microscopes and other scientific tools. At the end of the class the goal will be for students to design and conduct their own experiment after being given a topic. Students will have an opportunity to work within a variety of applications needed for the classroom, complete design building activities and challenges utilizing the Engineering Design Process. In addition, classes will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces.

CONTENTS/UNITS OF STUDY:

Science, Technology, Engineering, and Math

Projects will vary due to time constraints and student interest but will always include

- Building and testing a bridge
- Using a Microscope
- Experimental Design Process for Science

ASSESSMENT: Daily notebook work and written reflections on the successes and failures of their projects

STEAM Explorations:

With a focus on Technology and Engineering portions of the STEAM educational program, this class dives into using and creating with the technologies around us. Students will have an opportunity to explore and research a few areas of inventions based on their interest and knowledge from other classes. They will design and build their own creations from their research utilizing the Engineering Design Process. They will further build on their computer

coding, computer aided design skills, and engineering design skills and explore career pathways in these areas. In addition, students will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces. No prerequisites

CONTENTS/UNITS OF STUDY:

- Legos - EV3 MIndstorms
- Programming Arduinos and building electrical circuits
- CMC Mill
- Laser Engraver
- Power Tools including: Lathe, Power Drill, Drill Press, Bandsaw, Scroll saw, Electrical Circuits

Theater Arts 7:

This is a semester long class where students will begin the semester with getting-to-know-you activities, vocabulary, and stage positioning. Our focus then moves onto the basics of improv. We move onto how to create their own scenes as well as discover monologues, and then self-directed scenes. For the second half of the semester we will read a play and do scenes from that play as well as dabble in musical theater.

CONTENTS/UNITS OF STUDY:

- Theater Vocabulary
- Stage Positioning
- Improv
- Monologues
- Class Play Study
- Musical Theater

ASSESSMENT: Daily Warm ups, Daily Drama Journal Entries, Performances, Vocabulary Tests

8th Grade Elective Offerings: Students are enrolled in two elective classes per day/daily. 8th grade students can choose one of the following options:

- 2 Year Long Electives
- 1 Year Long & 2 Semester Electives
- 4 Semester Electives

Year Long Electives:

AVID 8:

AVID (Advancement Via Individual Determination) AVID is a college preparatory elective class for sixth, seventh and eighth grade students who desire higher academic achievement. AVID provides motivated students with skills needed to be successful in the rigorous middle and high school curriculum in preparation necessary for a college and career future. AVID focuses on writing, inquiry, collaboration, reading, organization, real world connections and specific student support. Students interested in AVID have a 2.5- 3.5 grade point average, good school attendance & behavior, average or higher test scores in reading and math, and a willingness to commit to rigorous class work. Interested students must fill out an application and participate in an AVID interview for selection.

Band 8:

Band 8 is a one-year course for students with one or more years of experience on a woodwind, brass, or percussion Instrument. Class expectations include regular home practice, daily class participation, and attendance of performances throughout the school year. We will focus on the development of skills necessary to become independent as a musician, including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western music. The importance of sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected.

CONTENTS/UNITS OF STUDY: We will review the concepts taught in Band 7 and we will perform music in the keys of F, Bb, Eb, Ab, C, G, and D with appropriate ranges for each instrument.

ASSESSMENT: Weekly playing tests, occasional written tests, and weekly practice. There will be opportunities for improvement as needed.

PREREQUISITES: Prior experience preferred but not required.

Choir 8:

Choir 8 is a one-year class available for students who want to continue to develop their singing voices in a solo and ensemble setting. This class is a progression of what was covered in Choir 7. Class expectations include regular at-home practice, daily class participation, and attendance at performances including those that occur outside of normal school hours (traditionally in the evenings). We will focus on the continued development of skills necessary to become independent as a musician including note-reading, aural skills, rhythmic patterns, intonation, and tonality inherent to Western music. The importance of

sustained group and individual effort is stressed. A progression of fundamental and technical proficiency is expected.

CONTENT/UNITS OF STUDY:

We will review content covered in Choir 7. We will build on the fundamentals of music-reading including note relationships and advanced rhythmic studies, continue to foster healthy vocal production that focuses on breathing and posture, aural skills that involve active listening and ensemble skills relating to multi-part music.

ASSESSMENT: In addition to expected participation and performances, there will be rehearsal/practice assessments. There will be opportunities for improvement as needed.

PREREQUISITES: Prior experience preferred, but not required.

Orchestra 8:

Orchestra 8 is a one-year course designed for the student who has one or more years of previous experience on a string instrument (violin, viola, cello, bass). It includes further development of those skills necessary to become independent as a musician. Class expectations include regular home practice, daily class participation, and attendance of performances throughout the school year. This course emphasizes the place of string music in the Western musical heritage. It concentrates on the development of style, articulation, dynamics, rhythmic ability, and tone inherent to string music performance. The importance of sustained group and individual effort is stressed. A progression of technical proficiency is expected and emphasis will be placed on having a variety of performing experiences. Students must have the signature of the teacher to sign up for this class.

CONTENTS/UNITS OF STUDY:

We will review the concepts taught in Orchestra 7 and we will perform music in the keys of F, Bb, C, G, D, and A with appropriate ranges for each instrument.

ASSESSMENT: Weekly playing tests and occasional written tests. There will be opportunities for improvement as needed. Weekly Practice.

PREREQUISITES: Prior experience preferred but not required.

Spanish A:

This eighth grade Spanish course will focus on broadening our students' understanding about how culture is reflected and expressed through language. The primary objective of

this year is capitalizing on our students' excitement and confidence in learning a non-native language and learning through fun games and activities. The class will emphasize communication in Spanish through listening, reading, writing and speaking. This course is a yearlong class designed to be the equivalent of first semester of high school Spanish 1.

This year's curriculum is designed to:

- Build confidence in listening, reading, writing and speaking a non-native language while engaging in basic conversations.
- Introduce students to the rich and diverse cultures that use the language.
- Deepen students' understanding of language through comparative analysis with native language(s).
- Prepare students to continue their language study in eighth grade Spanish B.

CONTENTS/UNITS OF STUDY:

- Vocabulary and language skills in Spanish
- Intermediate Spanish grammar
- Hispanic cultures

ASSESSMENT: Various check-ins for understanding, participation and Language Acquisition Growth

NOTE: To replace Spanish 1 in HS, a student will have had to take both Spanish A and Spanish B in middle school.

Spanish B:

This eighth grade Spanish course will focus on broadening our students' understanding about how culture is reflected and expressed through language. The primary objective of this year is capitalizing on our students' excitement and confidence in learning a non-native language while preparing them for Spanish World Language in High School. The class will emphasize communication in Spanish through listening, reading, writing, speaking, and learning through fun games and activities. This course is a yearlong class designed to be the equivalent of second semester of high school Spanish 1.

This year's curriculum is designed to:

- Give students authentic experiences in listening, reading, writing and speaking a non-native language.
- Introduce students to more complex, sophisticated materials
- Help students reflect upon the processes that they employ most effectively with regard to language acquisition.

- Prepare students to continue their language study in High School.

CONTENTS/UNITS OF STUDY:

- Vocabulary and language skills in Spanish
- Spanish grammar
- Spanish speaking cultures around the world

ASSESSMENT: Various check-ins for understanding, participation and Language Acquisition Growth

PREREQUISITES: Students must have passed Spanish A

Semester Long Electives:

Art 3D:

In this class, art jumps up off the page! You'll work with your hands to create three-dimensional art projects using materials such as clay, paper, cardboard, and recycled materials. This kind of creative problem solving is used by architects, sculptors and product designers to create buildings, sculptures, and the items we use every day. You can create a photo portfolio of your 3-D pieces. No previous art or drawing experience required. Just come ready to use your creative talents in a three-dimensional way.

CONTENTS/UNITS OF STUDY:

- Paper Sculpture
- Cardboard Sculpture
- Clay Figures
- 3-D Art
- Paper Mache
- String or Fiber Art
- Natural and Recycled Materials

Art Ceramics:

Embark on a hands-on adventure in the world of ceramics! This course is designed to introduce 8th graders to the fundamentals of ceramics, a versatile art form that has captivated humankind for centuries. Students will explore the transformative nature of clay, learning how to shape, sculpt, and decorate unique ceramic pieces.

- By the end of this course, students will be able to:
- Understand the properties and applications of clay

- Master basic hand-building techniques, such as pinching, coiling, and slab building
- Experiment with various surface decoration methods, including glazing, sgraffito, and underglaze painting
- Utilize pottery wheels to create thrown forms
- Develop their creativity and problem-solving skills
- Appreciate the rich history and cultural significance of ceramics

Audio Video Production 8:

Audio Video Production 8 builds upon previous experience and provides students with practical skills and experience in video production, video editing, live broadcasting, audio production, and journalism. Students will experience topics such as filmmaking, broadcasting, sportscasting, special effects production, podcasting, and journalism. Students will have the opportunity to join the Viper News video announcements that are broadcast to our school community.

CONTENTS/UNITS OF STUDY:

- Film Production
- Live Broadcasting
- Podcasting
- Audio Design
- Lighting and Coloring
- Special Effects

ASSESSMENT: Colorado Essential Skills, ISTE Student Standards

PREREQUISITES: Prior experience preferred but not required.

Computer Science Discoveries 2:

Programming/Computer Science II builds upon the previous course for students to create and interact with multimedia technology. Students will further explore programming, web design, computer hardware & network systems, artificial intelligence & machine learning, and digital businesses. Students will have the opportunity to learn about and discuss their personal responsibilities as content creators in the digital world and the ethics of business in the digital world.

CONTENTS/UNITS OF STUDY:

- Programming
- Web Design
- Computer Hardware & Networking
- Artificial Intelligence & Machine Learning
- Digital Businesses and Stock Markets

ASSESSMENT: Colorado Essential Skills, ISTE Student Standards

Health 8:

The focus of Health for all grade levels is on the principles of Physical and Personal Wellness, Social and Emotional Wellness, and Prevention and Risk Management.

Students will engage in many health-related topics including nutrition, stress management, healthy relationships, conflict resolution, human growth and development, substance abuse, and safety training. Students will also practice skills including goal setting, communication, effective refusal, esteem building, resiliency, accessing and utilizing resources, decision-making, problem-solving, and analysis.

Course design is rooted in the Colorado State Standards and Grade Level Expectations.

In 8th grade Health students will:

Demonstrate the ability to make healthy food choices in a variety of settings. Describe the physical, emotional, mental, and social benefits of sexual abstinence, and develop strategies to resist pressures to become sexually active. Analyze how certain behaviors place one at greater risk for health-threatening issues and situations. Demonstrate decision-making skills to be drug-free. Apply knowledge and skills related to health promotion, disease prevention, and health maintenance. Access valid and reliable school and community resources to help with mental and emotional health concerns. Analyze influences that impact individuals' health-related decisions. Develop healthy self-management skills to prevent and manage stress.

PE Individual Sports 8:

This class allows each student to focus on personal preferences to enhance lifelong fitness. Students will learn a variety of personal fitness training methods including aerobic exercise, high intensity intervals and resistance training, pilates, plyometrics, yoga, dance, and cross-training with individual and dual sports. These sports include badminton, pickleball, golf, frisbee golf, cornhole and skill development games. This course is designed to promote the recreational value of these units as lifelong activities. Students will learn proper training

techniques and safe use of equipment. All students regardless of previous experience can be successful. This course is recommended for students who have a general interest in personal physical activity.

PE Team Sports 8:

This course teaches students the skills needed to participate and succeed in game situations that require team cooperation. In addition to game skills, students will learn to understand concepts and use strategies appropriate to each game. Students will be taught in a manner that values the rules, roles, and traditions within each sport. This class requires full participation by all students and demonstration of socially responsible behavior. The use of modified games and leveled competition will provide opportunities for all students to be successful. Students will learn to be physically literate, competent, and enthusiastic about team sports including volleyball, basketball, softball, handball, floor hockey, soccer, flag football, and ultimate frisbee.

Robotics Engineering II:

This class will be an 8th Grade Capstone Project Class - focusing on how an idea becomes a product and how you can patent your idea. Using basic design and problem-solving skills they have learned in Engineering I - (either in 7th or 8th Grade) , students will identify a need and design a project to fill that need. They will digitally model their design in SolidWorks or other CAD programs and use the software to create production drawings of their product. Then students will construct a prototype/model of their product using hand tools, power tools, and our computer-controlled tools including a 3D printer, CNC Mill, and/or Laser Engraver. They will design and build their own creations from their research utilizing the Engineering Design Process and explore career pathways in these areas. In addition, students will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces.

ROBOTICS Students will work primarily with Lego EV3 Mindstorm platform or VEX Robots and delve deeply into the workings of an automated machine with limited artificial intelligence. They will refine their computer coding skills using Lego software block programming. In addition, students will focus on knowledge, skills, and behaviors students need to be successful at home, in their communities, and at future workplaces.

Science Busters 8:

With a focus on the Science and Engineering portions of the STEM educational program, this class gives students a variety of projects to find a part of science and STEM that they connect to. Students will complete a few hands-on design challenges and get to work with microscopes and other scientific tools. At the end of the class the

goal will be for students to design and conduct their own experiment after being given a topic. Students will have an opportunity to work within a variety of applications needed for the classroom, complete design building activities and challenges utilizing the Engineering Design Process. In addition, classes will focus on knowledge, skills, and behaviors students need to be successful at home, in school, in their communities, and at future workplaces.

CONTENTS/UNITS OF STUDY:

Science, Technology, Engineering, and Math

Projects will vary due to time constraints and student interest but will always include

- Building and testing a bridge
- Using a Microscope
- Experimental Design Process for Science

ASSESSMENT: Daily notebook work and written reflections on the successes and failures of their projects

Theater Production:

This is a yearlong class where students will begin the year with getting-to-know-you activities, vocabulary, and stage positioning. Our focus then moves onto playwriting, our tech theater units, auto-monologues, Suzuki movement training, and creating our own productions in class.

CONTENTS/UNITS OF STUDY:

- Theater Vocabulary
- Stage Positioning
- Playwriting (Radios Plays)
- Tech Theater Units
- Auto-Monologues
- Suzuki Movement
- Original Class Productions

ASSESSMENT: Daily Warm ups, Daily Drama Journal Entries, Performances, Vocabulary Tests

Unified PE:

This adapted physical education class allows for physical education instructions to be modified to the level of students with special needs, including physical limitations, while offering general education students an opportunity to be a positive peer role model and practice leadership skills. A physical education teacher will co-teach with an ILC teacher in

order to meet the needs of the ILC students while incorporating modified physical education activities. All students will be involved in modified team, dual, and individual sports. The general education students will partake in leadership activities and complete Special Olympic curriculum activities.

PREREQUISITES: An application process is required for this course.