

COURSE CATALOG

2021-2022



A NOTE FROM STEPHANIE

Dear Parents and Students,

Finally, at long last, it's here. There is always a lot of anticipation regarding what we will be offering. We are looking forward to a "normal" year. We will offer a remote plan for students who need it, however, none of the information in this catalog addresses a remote plan. Those decisions will be made with the families still needing a remote plan.

It seems that all year long the teachers and I talk about the potentials and it's so fun to see them become a reality. As homeschoolers, we have the unique privilege to plan a completely individualized plan for our children. Summit's main goal is to support you in this endeavor, and now more than ever I feel like we are providing some great opportunities for our kids. We are also expecting our expansion to be complete, and that brings along some new opportunities as well.

Let's continue these goals...

1. Incorporating PEAK (Purpose, Essential Skills, Agency and Knowledge) into all classes.
2. Providing opportunities for all students at all levels to learn and use technology.
3. Communication and Collaboration – Being able to work with others is an important skill for all students to master.
4. Project Based Learning (PBL) to bring learning to life.
5. Career Development and Exploration

I am looking forward to a great year. Here are some important dates:

Of course, we still need some excitement in our lives, so we will keep you posted on any changes due to construction. As of the writing of this, construction has begun and is on schedule. The biggest hurdle in all construction right now seems to be getting materials. Keeping that in mind, here are some important dates:

LAUNCH: August 25-27 (On your Summit Day)
1st Full day of Classes: September 1-3

LAUNCH DAY: LAUNCH IS A HALF DAY WHERE STUDENTS GET TO PICK UP SCHEDULES AND TRAVEL TO CLASSES. PARENTS SHOULD PLAN ON ATTENDING WITH STUDENTS. PLEASE NOTE: THIS IS AN IMPORTANT ATTENDANCE DAY AS STUDENTS LEARN EXPECTATIONS AND PROCESSES FOR CLASSES.

Enjoy a restful summer. I am looking forward to seeing your smiling face (LITERALLY!) next year!



The Summit Academy 2021-2022 Course Description Catalog

The Summit Academy Program is part of Jeffco Schools, is sponsored by Jefferson Academy Secondary School, and is open to students in grades K-12. Summit has a full time program for students in grades 9-12 and a part time program for students in grades K-12. Summit values the Colorado initiative for parent choice in education and it's our desire to provide opportunities to meet the educational needs of our students.

Home based (Part Time): The Summit Academy recognizes that the parent is the primary educator for their students and that parents are using The Summit to supplement their home education. Please read the descriptions carefully before choosing classes.

Full Time: High school students participating in college and Summit classes may choose to become full time students. Interested students should meet with the high school counselor to discuss class options and course sequence. Classes should be chosen to complete the student's Individual Career and Academic Plan (ICAP) and Jeffco graduation requirements.

The course descriptions outline the requirements of the class, the text used, class fees, if applicable, and homework rating information.

Parents are required, even at the high school level, to set high standards and monitor completion of assignments.

All high school classes earn a .5 high school credit per semester. 3 semester hour college courses count as a .5 credit. 4 or 5 semester hour classes earn a 1.0 credit.

NOTE ABOUT CLASSES:

Not all courses listed in the catalog are offered each year. Parents should refer to the 2021-2022 Class Schedule to determine which classes are offered each class period. Parents request classes for their child's schedule online at www.thesummitacademy.org during the class registration period. Priority is determined by a number of factors including previous Summit attendance, age and in some cases, need. Part time students in grades 9-12 may only participate on one day, but may request up to 2 additional hours on another day for an academic conflict. Requests will be granted if space is available. Full time students, based on graduation requirement needs and college schedule may take up to 8 hours on different days.

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A Few Notes to Get You Started:

1. Registration is online at www.thesummitacademy.org
2. Not all classes are offered every year. WHY? We rotate electives to keep things fresh and provide students with more opportunities as time goes by. Check the class schedule to see what is offered this year.
3. When a class fills, we try and are often able to add sections or decide for classes to meet the needs of our students. When registering, please make a note of your top three choices in the comment section.
4. All students, except those attending college or Warren Tech, must select six classes on one day. Depending on their enrollment status, college students may or may not have to take a full day at Summit. High School students in grade 9-12 may request to attend a class on a second day. Full time students have first priority in order to meet graduation and time requirements. Part time 9-12th graders may request a class on a second day due to academic conflict. Requests are only filled pending open spaces in the class. Fill out an additional form for the second day. For questions, please email Mrs. Scarato at sscarato@jeffcoschools.us
5. You should receive an email confirming that we have received your requests. You will be notified by email if a problem arises when filling your schedule. Please read course descriptions carefully. Some classes have special circumstances, such as a two hour class, extra volunteer time required, offered only on one day, etc.
6. Kindergarten and 1st grade are not required to choose classes, but parents do need to select their volunteer positions. First graders may choose to attend martial arts rather than PE.
7. Once parents have completed course requests for one student, parents can refresh the page to request courses for additional students.
8. Priority is given and is based on several factors including prior enrollment, age, and full time student needs. We do our best to arrange additional sections if needed. Please list your top three favorite classes in the Comments section. We will do our best to accommodate all your requests, however, special attention will be given to your top three.
9. Please feel free to use the Comments section as needed.

COURSE CATALOG HELP:

EACH CLASS HAS A CODE TO HELP YOU FIND IT IN THE COURSE CATALOG. HERE'S THE KEY:

K-KINDERGARTEN	I-FIRST GRADE	AR-ART	CTE-CAREER AND TECHNICAL ED.
LA-LANGUAGE ARTS	MA-MATH	MU-MUSIC	PE-PHYSICAL ED
SC-SCIENCE	SS-SOCIAL STUDIES	TA-THEATER ARTS	TE-TECHNOLOGY
MI-MISCELLANEOUS	WL-WORLD LANGUAGE		

CLASS PERIOD BELL SCHEDULE

Hour:	Time:
1	8:30 - 9:27
2	9:30 - 10:27
3	10:30 - 11:27
Lunch	11:30 - 12:15
4	12:18 - 1:15
5	1:18 - 2:15
6	2:18 - 3:15

Fee Schedule-Fees Due at LAUNCH on Aug. 25-27

Fee Title	Fee
Activity Fee (new families likely paid with registration)	\$25
Graduation Fee	\$40
Ameritowne	\$20
Mountain Lab School (Due March 1)	\$148
Sewing Classes (sewing kit and materials for 12 projects. List will be distributed at LAUNCH.)	varies

CLASS RATINGS

The Summit Academy has a variety of classes, both academic and enrichment classes. Classes are designed to be engaging and interactive, building teamwork and helping students to develop group and academic skills. The class rating system was developed to help parents choose classes to fit the needs of their student and the homeschool program. The rating gives you, the parent, an idea of how much outside work will need to be completed to meet the requirements of the class. The rating system is not an exact measure, but a helpful guideline. Parents should also factor in student age and ability.

Classes are rated from 1 to 5. The number corresponds to the number of days a student is expected to complete work in this class. For example, a “1” is a no homework class. Students work 1 day per week while at Summit. A “5” is a class that requires a day at Summit and 4 more class periods at home. A 5 is considered a “complete” academic course, earning high school credit. A class period at home is generally figured as follows, however, time is dependent on several factors, including student ability and attention.

*1st – 3rd grade – approximately 20 minutes

*4th – 6th grade - approximately 30-40 minutes

*7th grade and up – approximately 1 hour

Class Ratings:

1 = No homework

2 = 1 day at The Summit and 1 class period at home

3 = 1 day at The Summit and 2 class periods at home

4 = 1 day at The Summit and 3 class periods at home

5 = Full curriculum class. Parents will want to set aside time each day to meet the requirements of this class. Please review the Class List to determine the period each class is offered. NOT ALL CLASSES ARE OFFERED EACH YEAR. Go to www.thesummitacademy.org to determine dates to register for classes. Choose one class for each period. Classes will be filled in the order registrations are received, with current students receiving priority. Priority dates and deadlines will be published on the website during open registration. Please note, there are plenty of classes and getting a suitable schedule is rarely a problem.

NOTE FOR 6th GRADE: Our elementary program is designed as an enrichment to supplement your home classes. Some parents may desire their 6th grader to participate in a more rigorous middle school program. 6th grade students may NOT participate in 7th-12th grade electives. See the 7th-12th grade course descriptions for more info about these classes:

Middle School U.S. History

Pre-Algebra

Middle School General Science

Beginning Guitar

Middle School Writing

KINDERGARTEN

Kindergarten is intended to be fun and stimulate your child's curiosity to learn more about the world around him/her. It's the first step where your child will become comfortable working in a classroom setting. The children will be introduced to language arts, math, science, music, social studies and art through themes and activities. Students spend most of their day together in one classroom and with one teacher. However, the children do participate in Physical Education with the PE teacher, and spend time with other students during lunch and recess. This class is designed to be hands-on and to make learning fun.

Class Fee: None

Language Arts: Kindergarten students use Explode the Code as enrichment to their chosen home curriculum. We begin an early focus on letters and sounds, progressing to words, books, and poetry. Music, poetry and handwriting are also included in the Language Arts curriculum. The children will also play many games that stimulate their phonemic awareness, helping them become better readers. In the spring, parents have the opportunity to take advantage of a reading screening to provide early detection of possible reading issues.

Math: Numbers are everywhere! Students learn to love math and the numbers they encounter in daily life by using games and learning centers to learn time, money, measurement and counting by 2's, 5's, and 10's.

Social Studies: The kindergarten curriculum builds community as children learn about cities and states. Children will "travel" to other places, studying the climate, culture and geography of each place. Map study included. Children will enjoy our fun and adventurous excursions!

Science and Art: This science course will focus on science in an experiential, inquiry-based learning environment and engaging the kindergartener's natural curiosity about the world around them. Students will investigate broad science topics using age-appropriate activities. Art is used to increase understanding and encourage creativity. A hands-on approach is used to build science and communication skills.

Physical Education: Students will be introduced to multiple sports, learning basic rules and skills. In addition, they will use age-appropriate activities to warm up and build strength and flexibility in every class.

FIRST GRADE

First grade classes continue to focus on stimulating enrichment to your homeschool program. Students remain together for the day, with a teacher aid, however, they “travel” to a variety of classes and different teachers. First grade students have the choice of P.E. or Martial Arts in the class registration process. Other classes include Art, Science, Fun with Books, Math Games, and Spanish. Since students remain together, there is no need to make a class selection, EXCEPT for 5th period, Dance or Physical Education.

Class Fee: None

Spanish: Songs, games, storybooks, and cultural appreciation makes this class a very well-rounded introduction to Spanish. Students will practice basic nouns and verbs, speaking and responding to simple questions and commands. Class materials, including a CD, are used in this class.

Math Games: This math class will introduce age-appropriate math concepts on a group level. These concepts will be applied by playing various math games to help children become automatic and confident with their math skills. The parent's responsibility for their student is to utilize an age-appropriate math curriculum at home.

Fun With Books: Let's have some fun with books, lots of books! We'll read, but there will also be an emphasis on book making, book sharing, retells, reader's theater, and crafts. There will also be units on specific genre, like folktales, biographies, etc.

Physical Education or Martial Arts (Choice): PE students will be introduced to multiple sports, learning basic rules and skills. In addition, they will use age-appropriate activities to warm up and build strength and flexibility in every class. Martial arts students will learn kicking, punching, and self-defense techniques, centered on the principles of self-discipline, respect, perseverance, etc. Students will practice flexibility and balance.

General Science: This science course will focus on science in an experiential, inquiry-based learning environment. Students will investigate broad science topics using age-appropriate activities. Students will be encouraged to communicate what they have learned in a variety of ways. This course is meant to be supplemental to their home instruction and is not comprehensive in nature. However, the course is set up in a manner that you can create your home science curriculum around the topics and activities in order to provide an opportunity for cross-curricular instruction.

Primary Art: The class will develop an understanding of the Art Elements during 1st semester, then integrate these concepts working with the Design Principles to complete the year. Students will build confidence in their ability to communicate through drawing, painting and sculptural processes. Classes will utilize a variety of materials providing the opportunity for the student to explore safe techniques in art production, improve motor skills and develop in their creative expression.



Primary Text:	None – Skill building class	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Primary Text:	Various Teacher Sources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Continued...

Grades 4-6 - Logic

Primary Text:	Various Teacher Sources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

In this class, students will play a variety of exciting logic games that develop both their reasoning and communication skills. They will experience games in which they must work collaboratively to beat the game, games in which they must manipulate cards or pieces and make individual strategic choices, and games in which they must think "outside the box." Activities are alternated from year to year, so this class may be repeated. Digital versions of games can be played while in person but from different computers, so students are not touching the same game pieces.

HIGH SCHOOL MATH

COMPLETION OF HIGH SCHOOL MATH CLASSES EARN STUDENTS 1.0 HIGH SCHOOL CREDIT (0.5/semester). STUDENTS COMPLETING A 4 OR 5 SEMESTER HOUR MATH CLASS AT THE COMMUNITY COLLEGE EARN A 1.0 HIGH SCHOOL CREDIT. (NOTE: Pre-Algebra is NOT a high school level course.)

**** Note for all junior and senior high math classes:**

*Students will receive a syllabus at the beginning of the year outlining the number of lessons to be covered each week. We will go over the practice problems for each assigned lesson to ensure understanding. **Students will be expected to use the practice and lecture CD's to complete the assigned lessons for the week at home. Parents (NOT students) are responsible for reviewing lessons as necessary, grading daily homework, and proctoring home study tests.** Consistency in completing the lessons is crucial. If your child is missing problems on daily assignments, this is an indicator that the concept has not been understood and needs to be reviewed. Students will be tested regularly at home and in the classroom. Tests will be turned into the teacher. All daily lessons are to be graded **by the parent** and corrected by the student. **MATH CREDITS TOWARD GRADUATION REQUIREMENTS ARE ONLY GIVEN TO STUDENTS IN GRADES 9-12 WITH THE EXCEPTION OF ALGEBRA 1 IN 8TH GRADE. PER DISTRICT REGULATIONS.***

Grades 7-8 - Pre-Algebra

(This course does NOT count for a HS math credit for graduation.)

Primary Text:	Teaching Textbooks (Book and CD)	Course Rating:	5
Prerequisite:	None	Day	W,Th,F

*This comprehensive math course will reinforce the concepts and introduce students to the skills necessary to successfully complete the pre-algebra course. Students will receive a textbook and **answer** key for class. Parents will be provided with answer keys to monitor students at-home work. (**SEE MATH NOTES AT THE TOP OF THE MATH SECTION.)*

Grades 8-12 - Algebra 1

(This course counts as a 1.0 math credit for Jeffco graduation requirements.)

Primary Text:	Teaching Textbooks (Book and CD)	Course Rating:	5
Prerequisite:	Completion of Pre-Algebra with a C or better	Day	W,Th,F

*This is a high school algebra class using the Teaching Textbooks curriculum. The program uses a review method to ensure retention. The program also uses problems to prepare students for SAT/ACT tests. Students will receive a textbook and answer key for class. (**SEE MATH NOTES AT THE TOP OF THE MATH SECTION.)*

Grades 9-12 – Geometry*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	Teaching Textbooks (Book and CD)	Course Rating:	5
Prerequisite:	Completion of Algebra I with a “C” grade or better and/or a placement test	Day	Th,F W,Th,F

*This is a high school geometry class using the Teaching Textbooks curriculum. The program uses a review method to ensure retention. The program also uses problems to prepare students for SAT/ACT tests. This study includes two-column proofs, logic, and inductive and deductive reasoning. Students will receive a textbook and answer key for class. (**SEE MATH NOTES AT THE TOP OF THE MATH SECTION.)*

Grades 9-12 - Algebra 2*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	Teaching Textbooks (Book and CD) Students will need a scientific graphing calculator for this course.	Course Rating:	5
Prerequisite:	Completion of Algebra 1 with a C or better	Day	W,Th,F

*This is a high school algebra class using the Teaching Textbooks curriculum. The program uses a review method to ensure retention. The program also uses problems to prepare students for SAT/ACT tests. Students will receive a textbook and answer key for class. Students will need a scientific graphing calculator for this class. (**SEE MATH NOTES AT THE TOP OF THE MATH SECTION.)*

Grades 11-12-Pre-Calculus*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	Teaching Textbooks (Book and CD) Students will need a scientific graphing calculator for this course.	Course Rating:	5 2 hour class
Prerequisite:	Completion of Algebra II and Geometry with a “C” grade or better or placement tests.	Day	F

*This class continues the study of Algebra and Geometry topics with a heavy emphasis on the study of trigonometric and exponential functions, as well as common and natural logarithms. Word problems become increasingly abstract throughout the text. Other topics that are covered in depth include conic sections and functions and their graphs. Students will need a scientific graphing calculator for this course. (**SEE MATH NOTES AT THE TOP OF THE MATH SECTION.)*



Primary Text:	Teacher Materials Barton Reading Program	Course Rating:	5
Prerequisite:	None	Day	W,Th,F

Primary Text:	Teacher Resources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Primary Text:	Teacher Resources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

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Grades 2-3 - Wild Writing (Not offered this year.)

Primary Text:	A little of this and a little of that!	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Join us on this adventure to go WILD with writing. We journey around the world to find authentic examples of real world writing. Students will keep a writer's notebook, spend time writing each week, and publish at least two pieces of authentic writing throughout the year. We will focus on engagement, motivation and quality, entertaining writing. Ideas from past students include biography on a favorite person, skateboard handbook, entertaining animal report, magazine or newspaper articles, memoir, or picture book...the possibilities are WILD! Activities are alternated from year to year, so this class may be repeated.

Grades 2-3 - Kitchen Classroom

Primary Text:	A little of this and a little of that!	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

If it has to do with the kitchen we might do it in this class. Cooking skills? Yes, definitely. We might also throw in some measuring and fractions, writing some food poetry, a food science experiment or two, writing directions, nutrition (yes, that would have to include making some healthy snacks), and who knows what else we might find in the cupboard to add a little flavor to this class. We will be sure to add a dash of fun! Activities are alternated from year to year, so this class may be repeated.

Grades 2-3 - Fun with Books

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

The focus of this class is to strengthen skills in the area of language – speaking, reading and writing, while fostering a love of books. Activities will include: bookmaking, reader's theater, pocket poetry, vocabulary and grammar study through the Caught'ya! - It's Elementary Grammar curriculum, and of course, reading and talking about books. This class is rated 2, requiring up to 20 minutes of homework per week. We'll have lots of fun while we learn a lot!

Grades 4-6 - IEW Writing 1

Primary Text:	Institute for Excellence in Writing Student Writing Intensive	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This course is based on the program of The Institute for Excellence in Writing. It will teach your student to write in an organized and structured way. They will learn how to make a key word outline, use this outline to write and implement "dress-up" words to make their writing great! At the end of this course students will be able to summarize given material, write short stories, write report writing and creative writing. There will be daily assignments given to each student to complete and turn in weekly both physically and online. This course is a Pass or Fail.

Grades 5-7 - IEW Writing 2

Primary Text:	Institute for Excellence in Writing Student Writing Intensive Year 2	Course Rating:	3
Prerequisite:	IEW A	Day	W,Th,F

In this course, your students will be led on a writing journey using a structure and style approach to writing. It will incrementally and effectively continue to improve your student's writing through the daily practice of it based on the foundation of IEW-A. There will be daily assignments given to each student to complete and turn in weekly both physically and online. Vocabulary words and literature suggestions are given and built in throughout the lessons. By the end of this course your student will be able to summarize given material in their own words, as well as independently write their own creations. IEW-B will cover paragraph writing, story sequence, report writing and free writing. This is a Pass or Fail course.

Grades 4-6 – Journalism/Newspaper

Primary Text:	None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students in this course will create a monthly school newspaper. Students will learn the habits of a journalist: asking questions, interviewing, and writing. Students will write a variety of different types of articles for publication and will also learn to design the layout for the paper. Students may be required to complete articles at home and email to the teacher for publication in the school newspaper. Activities are alternated from year to year, so this class may be repeated. This course is NOT a complete writing course. Parents should either complete another writing curriculum at home or have the student participate in a writing class.

Grades 3-6 – Fix It Grammar (2) and Games (Not offered this year.)

Primary Text:	Fix It Grammar and Teacher Materials	Course Rating:	3
Prerequisite:	Fix It Grammar 1	Day	W,Th,F

Fix It Grammar and Games, grade 3-6, is an IEW curriculum-based class with a purpose of teaching self-editing skills in a literature context. Skills will be reinforced with word games. Students will become experts in the basic parts of speech, and some of the grammar rules involved in writing. Please note that this is a Level 2 course. Students must have completed Fix It Grammar 1.

Grades 4-7 - Book Club/Literature and Vocabulary Study

Primary Text:	Teacher/Students Choices	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This class is the perfect place for those with a desire to read and for those who need encouragement to read. The goal of this class is to encourage reading by providing opportunities for students to read and discuss student book selections. Students will learn how to select books and will select books from a variety of genres. In addition, root-based vocabulary study will be a part of every lesson. Students will be expected to choose and bring books to class that may be obtained through a variety of sources. Reading outside of class is expected. Activities are alternated from year to year, so this class may be repeated.

Grades 7-12 - Book Club/Literature and Vocabulary Study (English Elective)

Primary Text:	Teacher/Students Choices	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

This class will combine elements of both literature study and a more informal book club environment. Students will have assigned readings as well as choice readings from various genres. Book discussions, literary analysis, vocabulary study, and exposure to various genres will all contribute to a lively class in which students will be supported in their development as readers. Book choices, vocabulary and assignments vary from year to year, so students may repeat this class.

Grades 7-8 - Middle School Writing Level 1

Primary Text:	Variety of Teacher Materials *Parents need to choose a grammar curriculum for use at home.	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

Composition will focus on developing the basics of writing with organization, voice, style, and audience awareness. Students will have a chance to share their work and get a feel for peer review and critiquing. Writing projects will range from persuasive essays to research papers to short stories. Student motivation will be propelled by pushing students to choose topics that interest them, to develop and defend their opinions and ideas, to discover and research new passions, and to see themselves as real-world authors.

Grades 7-8 - Middle School Writing Level 2

Primary Text:	Variety of Teacher Materials *Parents need to choose a grammar curriculum for use at home.	Course Rating:	4
Prerequisite:	Middle School Writing 1	Day	W,Th,F

Students in Writing 2 will build on what they have learned in Writing 1. Significant time will be spent in learning to analyze, outline, and think clearly about what they are reading and writing. Much of the instruction for the class is contained in the textbook, which was designed for homeschoolers and written directly to the student, encouraging the student to take the initiative in building writing skills. Parents will also need to be involved in helping the student understand the material in the textbook and in proofreading written work. This is a challenging academic class, a solid preparation for high school and college writing.

Grades 7-8 - Words Workshop

Primary Text:	Variety of Teacher Materials *Parents need to choose a grammar curriculum for use at home.	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

The purpose of Words Workshop is to provide the foundational nuts and bolts of good writing as well as to help prepare for success on the SAT. The focus will be on basic grammar, spelling, and vocabulary – especially academic language, and the language of instruction. We will be playing with words through the fun and funny, literature based “Caught’ya! – Giggles in the Middle” grammar curriculum. This class is rated 4 – students may be expected to spend up to 3 hours/week on homework.

Grades 9-12 - High School Writing Level 1

(This course counts as a 1.0 credit for Jeffco graduation requirements.)

Primary Text:	Variety of Teacher Materials *Parents need to choose a grammar curriculum for use at home.	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

Students will write essays, a research paper, and a literary analysis, with a focus on structure and style. Topics addressed will include prewriting, drafting, revising, and proofreading written work, taking into consideration audience and purpose. This course will review and build on students’ knowledge of mechanics and conventions of the English language. Emphasis will be placed on helping students to refine their writing skills and become more critical editors of their own work. Students will be expected to log on to Schoology throughout the week to see updates, assignments, etc. Students will be expected to turn in assignments online.

Grades 10-12 - High School Writing Level 2

(This course counts as a 1.0 credit for Jeffco graduation requirements.)

Primary Text:	Variety of Teacher Materials *Parents need to choose a grammar curriculum for use at home.	Course Rating:	4
Prerequisite:	10-12 Graders only. High School Writing 1 or permission of instructor.	Day	W,Th,F

Students will write essays, a research paper in Chicago style format, an in-depth literary analysis, and a multi-genre research paper. This course will continue to review and build on students’ knowledge of mechanics and conventions of the English language. Emphasis will be placed on helping students to refine their writing skills and become more critical editors of their own work. Students will be expected to log on to Schoology throughout the week to see updates, assignments, etc. Students will be expected to turn in assignments online.

Grades 9-12 - Speech and Debate (English Elective)

Primary Text:	Primary Text: Teacher Materials	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

First semester will focus on public speaking. Students will learn how to organize their thoughts and give a speech, including posture, speed, and volume. Second semester will focus on debate. Students will learn how to research and plan for a debate, including cross-examinations and rebuttals. Students will be expected to log on to Schoology throughout the week to see updates, assignments, etc.

Grades 9-12 - High School Literature

(This course counts as a 1.0 credit for Jeffco graduation requirements.)

Primary Text:	Teacher Selected Materials	Course Rating:	5
Prerequisite:	None	Day:	W,Th,F

This is a high school level literature class. Students will have access to rich sources of classic and contemporary literature. Students will analyze literature and are expected to engage critically with the text. Vocabulary will be incorporated into the class, including words from each text. Students will have 3-4 hours of reading in addition to assignments each week. Students will be expected to log on to Schoology throughout the week to see updates, assignments, etc.

Literature Reading Schedule

	Year One 2020-2021	Year Two 2021-2022	Year Three 2022-2023	Alternates
Shakespeare	<i>Hamlet</i> (drama)	<i>Macbeth</i> - (drama)	<i>Midsummer Night's Dream</i> (comedy)	<i>Henry V</i> (history)
World Literature	<i>Night</i> by Elie Wiesel (autobiography)	<i>Book Thief</i> by Markus Zusak (history)	<i>Strange Case of Dr. Jekyll and Mr. Hyde</i> by Robert Louis Stevenson (horror, science fiction)	<i>A Tale of Two Cities</i> by Charles Dickens (historical) <i>The Adventures of Sherlock Holmes</i> by Conan Doyle (detective fiction)
Classic American Novel	<i>The Adventures of Huckleberry Finn</i> by Mark Twain	<i>To Kill a Mockingbird</i> by Harper Lee	<i>House on Mango Street</i> by Sandra Cisneros	<i>Great Gatsby</i> by F. Scott Fitzgerald
Misc.	<i>Alchemist</i> by Paulo Coelho <i>Scarlet Letter</i> by Nathaniel Hawthorne	<i>Separate Peace</i> by John Knowles <i>1984</i> by George Orwell	<i>Peace Like A River</i> by Leif Enger <i>Fahrenheit 451</i> by Ray Bradbury (science fiction)	<i>The Outsiders</i> by S. E. Hinton <i>The Night Circus</i> by Erin Morgenstern <i>Sarah's Key</i> by Tatiana De Rosnay

Grades 9-12 - Creative Writing (English Elective) (Not offered this year.)

Primary Text:	Various Teacher Materials	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

Students will explore different genres, analyze several types of poetry, and write multiple short stories. After learning how to develop dynamic characters, create detailed descriptions using imagery and detailed descriptions, and focus on dialogue and voice, students will plan a novel. Students will be expected to log on to Schoology throughout the week to see updates, assignments, etc.

Grades 9-12 – Business Communications (English Elective) (Not offered this year.)

Primary Text:	Various Teacher Materials	Course Rating:	5
Prerequisite:	None	Day	Th

This course gives students an understanding of skills and technologies essential for success in business and industry. Students explore communication competencies as they craft oral, written, and visual projects and presentations. Through individual and collaborative activities, students examine the artistry of leadership, interpersonal, technology and employability skills.



SOCIAL SCIENCE (SS) CLASSES:

Grades 2-3 and 4-6 - Around the World Geography

Primary Text:	Various Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Pack your bags and get ready to journey around the globe as we discover places near and far. This is a hands-on class where we explore different world cultures through games, local arts/crafts, and food, while tying in local geography and literature. Map skills included!

Grade 2-3 - Hands-On History: U.S. History (Even Years) (Not offered this year.)

Primary Text:	Various Sources	Course Rating:	2
Prerequisite:	None	Day	W, Th,F

This activity-based history course will focus on the history of the United States. We will begin with the American Revolutions and the founding of our nation and move to the present. Homework will consist of reading passages to familiarize students with the upcoming activities. Parents may read and discuss the material with their child. History time periods, World and U.S., will be alternated from year to year.

Grade 2-3 - Hands-On History: World History (Odd Years)

Primary Text:	Various Sources	Course Rating:	2
Prerequisite:	None	Day	W, Th, F

This activity-based history course will focus on the history of World History. We will begin our study with ancient civilizations of Egypt, China, Indus Valley, Israel and the Greeks and Romans. Homework will consist of reading passages to familiarize students with the upcoming activities. Parents may read and discuss the material with the child. History time periods, World and U.S. will be alternated from year to year.

Grade 2-4 - Natural Wonders of the World

Primary Text:	The course is based on the “13 _____ Children Should Know” series, however, multiple teacher resources will be used.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This class will take the students on a scenic tour around the world to learn about the many breathtaking wonders of nature our planet has to offer. Waterfalls, mountains, caves, reefs, deserts, islands, volcanoes, canyons, rivers, forests.... These beautiful features, their location/geography, and the natural history and science behind them will be brought to life with activities that will engage your child.

Grade 3-5 - Geography and History Through Story

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Geography and history come alive as we read the stories of Holling C. Holling. In the fall we will read The Tree in the Trail, and learn about the Santa Fe Trail, incorporating history, geography, literature, science/engineering, art/music and even a little math. During the spring semester we will read Paddle to the Sea, beginning in the Canadian wilderness, traveling and exploring the Great Lakes region and St. Lawrence Seaway to the Atlantic Ocean. This class is rated 2, requiring up to 20 minutes/week in homework.

Grade 4-6 - History Comes Alive (Not offered this year.)

Primary Text:	Teacher Resources	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

Learn history through exciting methods such as play-writing, role-playing, giving speeches, research, debates, literature and more! This class includes a field trip to a historical site to see the past up close! This interactive class teaches geography, history, and teamwork all while having so much fun, students barely know they're learning. Join us for the adventure! Curriculum is alternated from year to year, so this class may be repeated.

Grade 4-6 - Elementary U.S. History (Not offered this year.)

Primary Text:	A variety of Newberry award-winning historical novels - TBA	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

In this class, upper elementary students will explore United States history from the American Revolutionary War through the end of the Twenty-First Century. Students will discover the ideas, events, and people that shaped our country through literacy fiction as well as history-based activities, research and discussions. We will uncover the many stories that make up our nation's past and make connections to the United States today.

Grade 4-6 - Journey Through The Centuries, World History

Primary Text:	Textbook To Be Determined	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

In this class, upper elementary students will discover the history of the world from ancient cultures through the middle ages. We will explore civilizations in Mesopotamia, Egypt, China, India, Greece, Rome, Africa, Australia, the Americas, Japan, and Europe through the Renaissance Era. We will use weekly readings and assignments, classroom activities and discussions to understand the various cultures around the world and their development many centuries before our own time. 1-1.5 hours of homework per week.

Grades 4-6 - Money Study (Not offered this year.)

Primary Text:	Financial Fitness for Life	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students in this class will study finances through games, role-playing, and other activities, using lessons from the upper elementary Financial Fitness for Life curriculum, along with other resources. Topics will include buying goods and services, opportunity cost, earning income, saving, giving, using credit, investing, and protecting/insuring.

Grade 4-6 - Pioneer Crafts

Primary Text:	Teacher Resources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Travel back in time to the pioneer days. Fill your days (or class time) with the crafts, games and activities they would have done. Share the fun and hard work of the daily lives of pioneer kids. Weaving, cross stitch, simple embroidery, crocheting and more will be part of this adventure. New projects enable students who took this class in the past to participate again. Possible inclusions may include machine stitching and knitting. Activities are alternated from year to year, so this class may be taken twice.

Grade 4-7 - Colorado History

Primary Text:	Tales, Trails and Tommyknockers	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This class is designed to allow an exciting study of Colorado History through fun hands-on activities. Participation in this class meets the state requirement for study of Colorado History. Students will read stories, role play, make projects and put together a detailed Colorado history notebook. Students may, on occasion, have reading projects to do at home.

Grades 4-6 - Famous People and The 7 Habits (Not offered this year.)

Primary Text:	None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

"If your actions inspire others to dream more, learn more, do more, and become more, you are a leader." --John Quincy Adams
In this class, we will examine the life stories of people who inspire us through their service, perseverance, courage, and creativity. We will read, write, discuss, and create hands-on projects; we will also see how these lives exemplify traits described in The 7 Habits of Highly Effective Teens. Later in the year, each student will choose one historical figure to research, and we will have celebratory presentation days in which students will dress up in character and share their stories with the class.

Grades 4-7 - AmeriTowne

Primary Text:	AmeriTowne workbook	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

The AmeriTowne class will be taught in the first semester to prepare the students for a field trip to AmeriTowne. Students will learn the basics of America's free enterprise system, how to write checks, make deposits, interview for a job, and run for an elected office. This will be a fun class with very little outside work. This class is intended for fourth through sixth grade. The Ameritowne visit is scheduled in the spring.

Grades 4-6 - Young Entrepreneurs (Not offered this year.)

Primary Text:	Variety of Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This class is developed to give students a view of Free Enterprise. A variety of curriculums will be used to teach students economic principles in a fun and engaging manner. They will be involved in a variety of activities to teach entrepreneurship. Creating businesses and studying the way communities run are part of the curriculum.

Grades 4-8 - Leadership - School Council

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

In this community and leadership building class, 4-6th graders will experience an array of real world interactions, such as solving government-type problems, publicly speaking about their opinions, reading with kindergarteners, throwing school parties, helping first graders create published books, creating service projects, and more! EXTRA PARENT VOLUNTEER REQUIREMENT: CHAPERONE TWO LEADERSHIP EVENTS

Grades 5-8 - Adventures in World Geography (Not offered this year.)

Primary Text:	Interact Adventure Simulations	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Come on a world adventure! Students will build geography skills as they scour the world's greatest cities for treasure. Working both individually and in groups, they will earn points by creating written and oral reports, and researching topics such as language, government, world news, latitude and longitude, sports teams, famous explorers, and more! Students will use their geography expertise to create their own maps and apply their clever map skills to deal with "Fate Cards" that present unexpected challenges in an exciting journey around the world.

Grades 7-8 - Middle School U.S. History (Not offered this year.)

Primary Text:	A History of US by Joy Hakim	Course Rating:	4
Prerequisite:	Elementary U.S. History	Contact Day	W,Th,F

This middle school class, available to 6th graders ready for an increase in work level, will dig into "A History of US" to uncover the colonial origins of the United States through the Civil War and Reconstruction. Focusing on the first six books in the ten book series, students will learn about the people, ideas, and events that shaped our nation, as well as the issues that threatened to divide it. We will research primary and secondary sources to understand how people view, construct, and interpret history. Weekly readings and assignments, as well as class discussions, will help us analyze change over time and discover the many stories that make up our nation's past.

Grades 7-8 - Middle School World History

Primary Text:	Story of the World Vol. 3 and 4	Course Rating:	4
Prerequisite:	(Recommended) 4-6 grade World History or read Story of the World Volume 1 and 2	Day	W,Th,F

In this middle school level class (available to 6th graders ready for an increase in work level) we will dig into exploration, discovery, trade, key individuals, colonialism, rebellions, wars, and more, to uncover how the world has been transformed in the last 500 years. We will use weekly readings and assignments, work on various maps, examine historical sources, compare and contrast societies and cultures, and engage in class activities and discussions to help us understand what in the world happened in the five centuries before we were born. 3 hours of homework per week.

Grades 9-12 - Philosophy

Primary Text:	The Love of Wisdom, the Fallacy Detective, The Thinking Toolbox	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

The purpose of this Philosophy class is to engage the students with the art of thinking. In order to accomplish this goal the class will explore the birth and growth of philosophy throughout the centuries, explore a few ways in which one can be sure of a conclusion and differentiate between common logical fallacies. In the second semester, the class will put their newfound reasoning skills to the test when they grapple with a few of the historically big philosophical questions. The teacher looks forward to thinking deep thoughts with the students.

Grades 9-12 – Money WiSe: Finances for Life*(This course counts as a 1.0 elective credit for Jeffco graduation requirements.)*

Primary Text:	Various Resources	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

How “money smart” are you? Step into this course specifically designed for high school students to understand money and how it works. Areas of study taught include: Checking, Savings, Types of Credit, Managing Credit, Paying for College, Budgeting, Investing, Financial Pitfalls, Career, Taxes, and Insurance. This is a practical, hands-on course filled with fun and interesting activities that will give you the skills and information you need to avoid debt, plan for the future, and use money wisely, now and for your whole life.

Grades 9-12 - High School U.S. History (Not offered this year.)*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	A History of U.S. by Joy Hakim	Course Rating:	5
Prerequisite:	Middle School U.S. History	Contact Day	W,Th,F

High school students will use “A History of US” to examine patterns of change in the United States from Reconstruction to modern times. Focusing on the last four books in the ten book series, we will examine the past using cause and effect, and analyze the complexity of events that shaped our nation. Students will engage in weekly readings and assignments, discussions, and research of primary and secondary sources to understand how people view, construct, and interpret history. This course will integrate civics, economics, geography, and Reading Like A Historian to uncover the many stories that make up our nation’s past and make connections to the country that we live in today.

Grades 9-12 - High School World History*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	History Alive! World Connections	Course Rating:	5
Prerequisite:	(Recommended) Middle School U.S. History	Day	W,Th,F

Just as a filmmaker uses multiple lenses to tell a story, in this world history class, high school students will use both a wide-angle view to examine eras in world history starting with the earliest societies, then zoom in to understand the development of events and interactions among the world’s people and cultures. Through weekly readings, assignments, projects, maps, class activities, and discussions, we will gain an understanding of the social, political, and economic structures of societies, along with the cultural and human-environment interactions that created the world that we live in today.

Grades 9-12 - World Geography*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	Geography Alive!: Regions and People	Course Rating:	5
Prerequisite:	None	Contact Day	W,Th,F

Have you ever wondered why some places are deserts while others get so much rain? What makes certain times of year cooler than others? Why do some rivers run dry? Why do people from different countries have different points of view on many issues? This course provides much more than just memorizing countries and capitals or making maps (though we will do some of that too!). We’ll be asking questions and thinking about how to solve problems, looking at people and their ways of life as well as examining physical features like mountains, rivers, and oceans. And we’ll explore why things are the way they are, how they got that way, and the relationships between human and physical geography.

Grades 9-12 – Congress and the Constitution*(This course counts as a 1.0 elective credit for Jeffco graduation requirements.)*

Primary Text:	TBD	Course Rating:	5
Prerequisite:	Students should have completed a high school U.S. History course.	Day	W,Th,F

Model Congress and the Constitution is a three pronged course formed by the idea that students learn best by doing. First, students will conduct an in-depth, paragraph by paragraph study of the U.S. Constitution, and study the historical path to its ratification. During the Model Congress simulation, students will write and present bills to replicate the legislative process. Students will join party caucuses, contribute to standing committee mark-up sessions and participate in floor debate. Beyond the nuts and bolts of how a bill becomes law, this experience enables students to understand first-hand the role of politics and consensus building in the legislative process. Thirdly, students will follow the U.S. and Colorado legislative sessions.

Grades 11-12 - FALL SEMESTER: Government and Civics*(This course counts as a 0.5 credit for Jeffco graduation requirements.)*

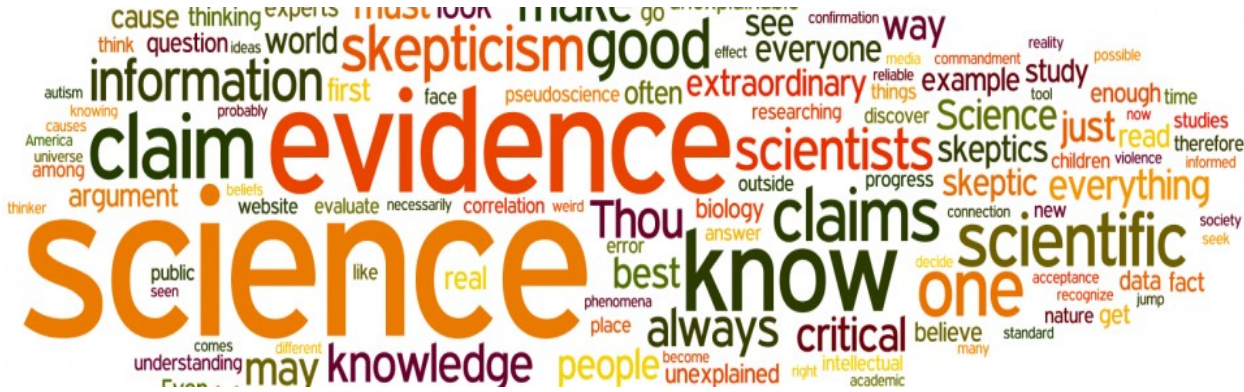
Primary Text:	Government Alive! Power, Politics, and You	Course Rating:	5
Prerequisite:	(Required)High School U.S. History and (Recommended)High School World History	Day	W,Th,F

This upper-level semester long course will help you discover how government is connected to your everyday life. We will utilize weekly readings and assignments, projects, exams, class activities, and discussions to understand the foundations of our government and how power is distributed, exercised, and checked under the Constitution. We will delve into the inner-workings of the three branches of the U.S. government, explore the election process, and learn how all citizens can influence public policy. By integrating current events and world news, we will study how the media, political parties, and interest groups shape our system of laws today.

Grades 11-12 - SPRING SEMESTER: Economics*(This course counts as a 0.5 credit for Jeffco graduation requirements.)*

Primary Text:	TBD	Course Rating:	5
Prerequisite:	High School U.S. History and High School Government and Civics	Day	W,Th,F

Economics is an upper-level, semester-long course that utilizes weekly readings, assessments, an online personal finance game, in-class lessons and more to introduce basic economic principles and explore current economic issues. This class offers the tools needed to understand investment options and how to make sound financial decisions. Each student will create a personal financial plan with short- and long-term goals and be able to analyze strategic spending, saving, and investment options through portfolio projects using the Stock Market Experience investment simulation. This introduction to economics will give you the tools and understanding to navigate the financial world with confidence.



Grades 2-3 - General Science

Primary Text:	Parents choose text for home use.	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Grades 2-3 – Mystery Science

Primary Text:	Teacher Resources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Grades 2-3 - Nature Journaling

Primary Text:	Teacher Resources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

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Grades 4-6 - General Science

Primary Text:	None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This science course will focus on science in an experiential, inquiry based learning environment. Students will investigate the broad science topics using age-appropriate activities. Students will be encouraged to communicate what they have learned in a variety of ways. This course is supplemental to home instruction and is not comprehensive in nature, although parents can create curriculum around the topics and activities in order to provide an opportunity for cross-curricular instruction. Students will be expected to keep up with their class work and finish any assignment. Activities are alternated from year to year, so this class may be repeated.

Grades 4-6 - Crime Scene Investigations (Not offered this year.)

Primary Text:	Various Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students will have fun with crime scene investigating by practicing the following skills: scientific method, scientific research, critical thinking, making observations, analyzing facts, and drawing conclusions. They will find different ways to put these skills into practice by using circumstances that model real-life events.

Grades 4-6 - Inventions and Their Inventors (Not offered this year.)

Primary Text:	Various Teacher Resources	Course Rating:	2
Prerequisite:	4 th – 6 th Grade Students	Day	W,Th,F

Do you love to create things? Are you the future Steve Jobs? Do you love to tinker with things and want to know about some amazing people just like you? This is the class for you. Inventors and Their Inventions class will look at several key inventions and the people who invented them. We will spend each class focusing on an inventor and/or invention. Each week the kids will take away a project that will remind them of the week. The class will also have a component where kids will create their own inventions.

Grades 4-6 – Science and Design Of Gardens

Primary Text:	Various Teacher Resources	Course Rating:	2
Prerequisite:	4 th – 6 th Grade Students	Day	W,Th,F

This class aims to ignite the passion of gardening by teaching gardening science, sustainable practices, and design principles. Students will grow hands-on plant projects, design full theoretical gardens based on space and characteristics parameters, and by helping design a small garden plot for The Summit Academy.

Grades 5-8 Anatomy

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

The class will focus on all systems of the body, excluding reproduction. The class will be designed around hands-on activities and experiments to learn about the human body. The students will discuss organs in order to pull it all together. This class is considered enrichment and although it is designed to interest the middle school student, it would not be considered a complete science for a middle school student.

Continued...

Grades 5-8 - Mountain Lab School (Science)

Primary Text:	Class Fee: \$148.00 Tuition for 3 days/2 nights, Mountain Lab School: Camp Idrahaje, Bailey, CO Payments can be made throughout the year. Trip Dates: Monday, April 11 - Wednesday, April 13, 2022	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Ready for the great outdoors? Activities in this class will go over and above to prepare students for Mountain Lab School and surviving the great outdoors. Survival techniques, leaf collections, outdoor science activities, emergency preparedness, knot tying and cooperative learning are some of the activities students will participate in to feel right at home in the great outdoors. The class will culminate in a three day adventure to Mountain Lab School at Camp Idrahaje in Bailey, CO. All students in the class should plan on attending the camp. Summit will participate in the public school program offered by Camp Idrahaje. Please note: Per request from Idrahaje, the grade level on this class is firm. For more info, go to www.idrahaje.org and look for Mountain Lab School. We will also need parent chaperones to attend the trip.

Grades 7-8 - Middle School Science

Primary Text:	Glencoe Integrated Science - 3 year rotation. New material is covered each year. Cover content over a 2-3 year period completes a middle school science program.	Course Rating:	5
Prerequisite:	None	Day	W,Th,F 2 hour class

Glencoe's "Integrated Approach" uses a three year plan to cover middle school science. Using Glencoe's integrated approach, students will receive comprehensive coverage of life, earth, and physical science. The strong content coverage integrates a wide range of hands-on experiences, critical-thinking opportunities, and real-world applications.

Grades 9-12 - Environmental Science (Outdoor Learning Center)

(This course counts as a 1.0 lab science credit for Jeffco graduation requirements.)

Primary Text:	Textbook: TBD Class Fee: \$160.00 Tuition for 3 day/2 night trip to an outdoor learning center. Payments can be made throughout the year. Trip Dates: TBD	Course Rating:	5
Prerequisite:	Students ready for a high school level science class	Day	W,Th,F

An upper middle school/high school science course in understanding the interaction of the physical, chemical and biological components of our environment. This course will cover ecology, earth's natural resources, conservation and environmental health. Students will also explore environmental and natural resource careers. A spring-time 3 day/2 night field trip is being planned to an outdoor education center located in the beautiful foothills of Colorado. All students should plan on attending as it is a big part of the laboratory component of the science class. Students will study the Colorado environment including local issues such as fire ecology, water studies/flooding and wildlife research. We will also need some parent chaperones to attend the trip.

(Cost is \$160/student for the 3 days--instruction, comfortable cabins and 6 meals).

Grades 9-12 - Biology*(This course counts as a 1.0 lab science credit for Jeffco graduation requirements.)*

Primary Text:	Addison Wesley Science Concepts	Course Rating:	5
Prerequisite:	Should have completed or be concurrently enrolled in Algebra 1	Day	W,Th,F 2 hour class

Text covers in-depth concepts of biology (biochemistry, modern genetics, genetic engineering, virology, prions, microbiology, botany, zoology and human biology). Chapters on evolutionary theory are not covered during class. Students take quizzes and write essays on current topics. Laboratory experiments include calorie determination, DNA extraction, gel electro- phoresis, bacterial growth, plant growth, plant dissections, invertebrate and vertebrate dissections, and human blood typing. Students learn to apply the concepts to events in news and corporate activities, how to conduct literature searches and develop their own laboratory experiments.

Grades 10-12 – Chemistry*(This course counts as a 1.0 lab science credit for Jeffco graduation requirements.)*

Primary Text:	Prentice Hall, Addison Wesley Chemistry	Course Rating:	5
Prerequisite:	Must have completed or be concurrently enrolled in Algebra II or higher	Contact Hours	W,Th,F 2 hour class

Students will explore the structure of matter, understand chemical and physical changes, write and balance chemical equations, make calculations related to chemical reactions, understand the structure, and use the periodic table, use the periodic table to compare, contrast and predict chemical interactions, describe the role of energy during chemical reactions, understand and use safe laboratory work habits, learn to conduct, document and report laboratory results. Additionally, the course will introduce basic reactions and nomenclature of organic compounds and concepts of nuclear decay.

Grades 11-12 - Physics 11th-12th Grade - Not offered at Summit. See note below.

Students wanting a high school physics class should consider a college class. Physics 105 is a Conceptual Physics class for non-science majors and is very similar to high school physics. This class is a lab and Guaranteed Transfer, therefore will count as dual credit for high school science and a college general education course for non-science majors. Students considering a science major may take this class, however, they may want to consider the more academically advanced Physics 111 (Algebra Based Physics) or Physics 211 (Calc-Based Physics).



WORLD LANGUAGE

(WL) CLASSES:

Summit Spanish Pathway		
Grade	Class	Purpose
1	1 st Grade Spanish	Exploration - Students learn through games, songs and class activities.
2-3	Primary Spanish	Homework will consist of basic memorization. The purpose of this class is to have fun investigating the Spanish language and culture at the exploratory level.
4-6	Elementary Spanish 1 Elementary Spanish 2	This class will begin a more serious study of the Spanish language with students being accountable for homework. Students taking this course should have the desire to learn the language.
6-8	Middle School Spanish	Middle School Spanish gives the serious Spanish student an introduction to Spanish. This year-long course covers the first half of high school Spanish 1, however, no high school credit is earned.
9-12	High School Spanish Levels 1-4	High School Spanish is a full academic course. Students receive high school credit. 4 years are offered. Only high school students in grades 9-12 earn credit on their Summit transcript, with the exception of Spanish 1 in 8th grade, per district regulations. FOREIGN LANGUAGE IS NOT A JEFFCO GRADUATION REQUIREMENT. STUDENTS SHOULD CHECK WITH THEIR DESIRED POST SECONDARY INSTITUTION TO DETERMINE WORLD LANGUAGE ADMISSION REQUIREMENTS.

Continued...

Grades: 2-3 - Primary Spanish

Primary Text:	None – Teacher Materials Book Fee: None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Songs, games, storybooks, and cultural appreciation make this class a fun and very well-rounded introduction to Spanish. Students will practice basic nouns, verbs, conversation and responses to simple questions and commands. Vocabulary will include colors, animals, numbers, body parts, family members, and various classroom objects. The teacher will provide materials for home use. Curriculum includes weekly worksheets/activities for students and parents to complete together to review vocabulary from class. This course is a step-up from 1st grade Spanish.

Grades 4-6 - Elementary Spanish Level 1

Primary Text:	Risas y Sonrisas and workbooks	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This is a fun and exciting class designed to motivate students by teaching them a variety of Spanish vocabulary while they learn how to put the language together like puzzle pieces so they can speak conversationally. We will work with songs, videos, games and activities to practice language orally. The goal is to provide a unique and meaningful way for students to hear and use the Spanish language while engaging the whole brain to make learning effective. Students will need internet access for a weekly online Spanish Interactive. Students are also expected to do workbook activities, memorization, listen to songs, and to keep and study journal entries at home.

Grades 4-6 - Elementary Spanish Level 2

Primary Text:	Risas y Sonrisas and workbooks	Course Rating:	3
Prerequisite:	Risas y Sonrisas 1	Day	W,Th,F

This is a continuation of Risas y Sonrisas 1 completing workbooks 3 and 4. Children will continue with vocab and Q and A, but will begin conjugating verbs and learning correct sentence structure in Spanish. More Spanish will be spoken in the classroom. Students are expected to do workbook activities, memorization, listen to songs and keep a journal at home.

Grade 7-8 – Middle School Spanish 1

Primary Text:	Variety of teacher materials, possibly Fluency Matters online e-course	Course Rating:	5
Prerequisite:	None	Day	W,Th,F

This is a Comprehensible Input Spanish course. Students will learn to listen, read, write, and talk about things they are interested in. Stories and activities will challenge students where they are, with what they have already learned, and will build the students' proficiency with spoken and written Spanish. Therefore, most of our time is spent using Spanish to communicate, with students initially giving one-word answers or memorized phrases, gradually increasing as the students acquire Spanish. This course is intended to build a solid foundation for a lifelong love of the Spanish language and culture and the ability to understand and communicate in Spanish. This course will require a significant time investment outside of class.

Continued...

Grade 7-8 – Middle School Spanish 2

Primary Text:	Variety of Teacher Materials, possibly Fluency Matters online e-course	Course Rating:	5
Prerequisite:	Middle School Spanish 1 or teacher approval	Day	W,Th,F

This is the second level of a Comprehensible Input Spanish course, designed to continue building the student's proficiency with spoken and written Spanish. Students will learn to listen, read, write, and talk about things they are interested in. Stories and activities will challenge students where they are, with what they have already learned, and will help them continue to become more proficient in Spanish. As in Spanish 1, most of our time is spent using Spanish to communicate, gradually increasing in their ability to listen, read, write, and speak as the students acquire Spanish. This course is intended to continue building a solid foundation for a lifelong love of the Spanish language and culture and the ability to understand and communicate in Spanish. This course will require a significant time investment outside of class.

Grades 9-12 - Spanish 1

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	Avancemos Online	Course Rating:	5
Prerequisite:	High speed internet access daily as well as necessary plug-ins to do all activities in the online textbook. Download Quicktime and Adobe before first class. Some knowledge of Spanish preferable.	Day	W,Th,F 2 hour class

This course moves quickly covering a chapter every three weeks involving two grammar points and up to 30 vocabulary words. It is an engaging and challenging course. The online textbook includes video and listening activities to expose students to Spanish at home as well as songs and games. Assignments include fill-in the blank worksheets and grammar book exercises to drill vocab and grammar entering into short writing activities as we progress. Some previous knowledge of Spanish is helpful to succeed but not a prerequisite (numbers, alphabet, pronunciation, weather and knowledge of subject/verb and noun agreement). This course focuses on verb conjugation and vocabulary utilization in mini conversations or Q and A. Goal is to master all the present tense conjugations. Course ends with the past tense. Students will use Avancemos, an online textbook, and will need a computer system updated with the latest Quicktime™, Adobe™ and other software needed to complete assignments at home.

Grades 9-12 - Spanish 2

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	Avancemos Online	Course Rating:	5
Prerequisite:	Completion of Spanish I with a grade of "B" or better and high speed internet access daily as well as necessary plug-ins to do all activities in the online textbook. Download Quicktime and Adobe, before first class.	Day	W,Th,F 2 hour class

Spanish is spoken in the classroom and we continue as we have in Spanish 1. By the end of this course students will be speaking Spanish conversationally. We master the past tense and begin use of future and subjunctive tenses. Students will use Avancemos, an online textbook, and will need a computer system updated with the latest Quicktime™, Adobe™ and other software needed to complete assignments at home.

Grades 9-12 - Spanish 3

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	Avancemos Online	Course Rating:	5
Prerequisite:	Completion of Spanish 2 with a grade of "B" or better and daily high speed internet access.	Day	W,Th,F 1 hour class

Spanish is spoken in the classroom and we continue as we have in Spanish 2.

Grades 9-12 - Spanish 4 (Not offered this year.)

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	Avancemos Online	Course Rating:	5
Prerequisite:	Completion of Spanish 3 with a grade of "B" or better and daily high speed internet access.	Day	W 1 hour class

This is an advanced level course for high school students who want to refine and reinforce their language skills and cultural knowledge obtained on the prior three Courses of the Spanish Language. This class is taught in Spanish and it is expected for all students to speak and complete work in Spanish. Students will polish their grammar skills as well as learn new grammar. New vocabulary will be taught by reading books, novels and literature. Writing compositions and giving oral presentations in Spanish will also be part of the learning process. Our emphasis will be centered on talking about events in the past, future, imperative, conditional and perfect tenses. We will also cover topics related to the geography of the Spanish speaking countries, history, art, movies, music, cuisine, technology, social problems, and sports.

Grades 4-6 – Beginning Sign Language

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This course will introduce students to the deaf culture and empower them with fingerspelling and basic signs. Elementary students will have a jump start on American Sign Language as a middle and high school class.

Grades 7-12 – American Sign Language 1

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	www.startasl.com	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

Did you know American Sign Language (ASL) is the third most popular language in the USA? ASL is a beautifully expressive language that is fun to learn! This course is designed with a foreign language emphasis and will include fingerspelling, number practice, basic vocabulary and ASL Phrases needed to communicate with someone who is deaf. Students will also learn about deaf culture as they grow their signing skills through repetition, projects, music, activities and online signing videos and dictionaries. Students will also participate in off-site Deaf Culture experiences. Internet access is required for weekly homework and practice.

Grades 8-12 – American Sign Language 2

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	www.startasl.com and Master ASL! textbook	Course Rating:	4
Prerequisite:	Completion of ASL I with a C or better or completion of a placement test with teacher.	Day	W,Th,F

Students will further develop their skills and fluency in American Sign Language by increasing their vocabulary and learning about classifiers, inflection and descriptions. Students will deepen their understanding of deaf culture as they grow their signing skills through repetition, projects, music, activities and online signing videos and dictionaries. Students will also participate in off-site Deaf Culture experiences. Internet access is required for weekly homework and practice. I look forward to signing with you!

Grades 7-12 – American Sign Language Choir – SEE “MUSIC”



ARTS (AR) CLASSES:

Grades 2-3 - Primary Art

Primary Text:	None Teacher: Desrochers	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

The class will develop an understanding of the Art Elements during 1st semester, then integrate these concepts working with the Design Principles to complete the year. Students will build confidence in their ability to communicate through drawing, painting and sculptural processes. Classes will utilize a variety of materials providing the opportunity for the student to explore safe techniques in art production, improve motor skills and develop in their creative expression. Parent help may be requested.

Grades 4-6 - Art

Primary Text:	None Teacher: Desrochers	Course Rating:	1
Prerequisite:	None	Contact Hours	W,Th,F

This class will develop an understanding of the Art Elements first semester, then integrate these concepts working with design principles to complete the year. Students will build confidence in their ability to communicate through drawing, painting and sculptural processes. Classes will utilize a variety of materials providing the opportunity for the student to explore safe techniques in art production, improve motor skills, and develop in their creative expression.

Grades 4-6 - Directed Drawing

Primary Text:	None Teacher: Savage/Carreras	Course Rating:	1
Prerequisite:	None	Contact Hours	W,Th,F

Directed drawing encourages students to brave the intimidating art of drawing. By following precise instructions, students are able to create beautiful pictures, each as unique as the student. This class encourages listening skills, fine motor control, spatial awareness and creativity. Come join us and test your ears and train your hand!

Grades 4-6 - Art

Primary Text:	None Teacher: Hickman	Course Rating:	1
Prerequisite:	None	Contact Hours	W,Th,F

In this class, students learn a lot of art techniques. In drawing, students learn simple unit measuring, graphing, line-ups, shading, highlights, and adding textures using different mediums and subject matter. Taking these skills to a higher level, students will dive into painting, learning how to blend, shade, highlight, and adding textures with watercolors and acrylics using different subject matter and styles.

Grades 4-8 - Sewing

Primary Text:	None Fee: Parents are responsible for providing sewing kit and fabric for approximately 12 projects. A materials list will be passed out at Orientation.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Do you love to create and wish you could use a sewing machine to make something? This class will begin to prepare students by teaching them basic hand/machine sewing skills, showing them how to follow sewing patterns and directions and developing their problem-solving abilities. Supplemental topics such as introduction to the future career of clothing design, costume design and more will be introduced! The class is designed for the student who has little or no machine sewing experience, and will involve completing approximately 12 exciting, diverse projects! Homework may include simple items to complete a project. No home sewing machine is required. Parents are required to provide sewing kit and materials for projects. A list will be provided at Orientation.

Grades 7-12 – Art (Sculpture/Printmaking)(Not offered this year.)

Primary Text:	None Teacher: Desrochers	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This class will provide an introduction to printmaking and sculpture. Students will demonstrate the correct use of tools, materials and equipment through a variety of printmaking and sculpting productions. Class work will focus on the techniques in developing composition and establishing the printed/sculpted image. Wood cut/linoleum, silkscreen, colli graph, and photo contact prints will be some of the processes explored. Art appreciation and proper use of art vocabulary will be incorporated into class discussions.

Continued...

Grades 7-12 – Art (Beginning Design/Photography)

Primary Text:	Teacher Materials Teacher: Desrochers	Course Rating:	2
Prerequisite:	None	Contact Day	W,Th,F

This class will provide an introduction to design, pin-hole photography and digital cameras. Students will demonstrate the correct use of equipment and photo materials. Class work will focus on the techniques in developing composition and establishing image. Parent will need to provide a digital camera for the student to use in class and may be responsible for developing some of their photographs.

Grades 7-12 - Art - Painting and Drawing

Primary Text:	None Teacher: Hickman	Course Rating:	1
Prerequisite:	None	Contact Hours	W,Th,F

In this class, students learn a lot of art techniques. In drawing, students learn simple unit measuring, graphing, line-ups, shading, highlights, and adding textures using different mediums and subject matter. Taking these skills to a higher level, students will dive into painting, learning how to blend, shade, highlight, and add textures with watercolors and acrylics using different subject matter and styles.

Grades 7-12 - Illustration for Stories Art

Primary Text:	None Teacher: Hickman	Course Rating:	1
Prerequisite:	None	Contact Hours	W,Th,F

In this class, students will learn drawing and watercolor skills and apply these skills to illustrating a children's book. There will also be some group painting as well as painting scenes with acrylics with larger pieces.

Grades 7-12 - Set Design - Art (Not offered this year.)

Primary Text:	None Teacher: Hickman	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students will be learning painting skills using shading, highlights, texturizing, pulling out lines with wet on wet techniques, dry brush, overlaying, etc. These skills will be implemented for individual purposes and for the usage of set design as we will be designing large sets for drama productions. Some light construction may be included as school needs are met. Drawing skills may be included to enhance this class as well.

TECHNOLOGY (TE) CLASSES:

Grades 2-3 - Maker Space - Storytelling through STEM (Not offered this year.)

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This class will combine classic fairy tales and STEM projects. We will combine literature with math and engineering. Students will have a challenge to design a solution using different materials of choice and then retell their story in their own words. Emphasis on story sequencing and verbal communication.

Grades 4-6 – Maker Space

Primary Text:	None	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Students in Maker Space will learn to think like an engineer by learning and applying the design process in various settings. Simple design and construction techniques will be taught. Students will get to work with a variety of materials including recycled goods.

Grades 7-8 – Design and Modeling (Project Lead the Way Engineering)

Primary Text:	None	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

Design and Modeling is the first unit of ten in the Project Lead the Way Gateway Program for middle school. Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

More About Gateway: *Through explorations of coding and robotics, flight and space, and DNA and crime scene analysis, PLTW Gateway fuels students' passion for discovery. As they engage in hands-on, collaborative problem-solving focused on real-world challenges, students use and stretch their imaginations in brand-new ways and connect their learning to life. All the while, students step into roles spanning the career landscape – a crucial experience during this transitional time in their lives. Summit has plans to offer more Gateway courses in the future.*

Grades 9-12 – Introduction to Engineering (Project Lead the Way)

Primary Text:	None	Course Rating:	4
Prerequisite:	Students must have completed Algebra 1	Day	W,Th,F 2 Hour Class

Introduction to Engineering Design (IED) is a two hour high school level foundation course in the PLTW Engineering Program. In IED, students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skills in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition, the development of computational methods that are commonly used in engineering problem-solving, including statistical analysis and mathematical modeling, are emphasized. NOTE: Summit is investigating the use of the course to complete a STEM certification for high school diploma, however at the time of this publication, there are no final decisions.

Grades 9-12 – Principles of Engineering (Not offered this year.)*(This course counts as a 1.0 technology credit for Jeffco graduation requirements.)*

Primary Text:	Project Lead the Way	Course Rating:	4
Prerequisite:	None	Day	W,Th,F

POE is a 2-hour high school-level course of engineering. POE gives students the opportunity to investigate engineering, high tech careers, and develop skills and understanding of course concepts through activity-, project-, and problem-based (APB) learning. As a team, students will employ engineering and scientific concepts in the solution of engineering design problems, develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. They will also use APB learning challenges to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts, which empowers students to develop strategies to direct their own learning.

POE is the second of two foundation courses in the Project Lead The Way high school engineering program. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Grades 2-3 - LEGO WeDo™ Robotics

Primary Text:	<i>The LEGO® Education WeDo™ Construction Set and Simple Power Machines</i>	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

The LEGO® Education WeDo™ And Simple Power Machines™ sets are easy-to-use and introduce young students to robotics. Students will be able to build LEGO models featuring working motors and sensors, program their models, and explore a series of cross-curricular, theme-based activities while developing their skills in science, technology, engineering, and mathematics, as well as language and literacy.

Grades 2-3 - Electronics - Snap Circuits™ and littleBits™ (Not offered this year.)

Primary Text:	Snap Circuits from Elenco and other teacher resources	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Snap Circuits™ and littleBits™ make learning electronics easy and fun. Children will use the Snap Circuits kits, voted one of Dr. Toys 100 Best Children's Products to learn the basics of electronics while creating a variety of electronic projects. littleBits™ uses snap together electronic pieces to create projects and project prototypes.

Grades 2-4 - Computer Skills (Beginning)

Primary Text:	Teacher Materials, Code.org	Course Rating:	1
Prerequisite:	Grades 2-4 Students should be able to read basic command words (file, save, etc.)	Day	W,Th,F

*Many students even at this early age work and play on computers. This computer class is designed to get them started off right. Students will learn the basics of navigating around their computer, keyboarding, Microsoft Word, Microsoft Excel, Microsoft Publisher, and Microsoft PowerPoint and basic programming using the code.org Fundamentals curriculum. Students will use the Jeffco Google login to access Google programs and district provided apps. **Keyboarding will be available for extension at home, if wanted.***

Continued...

Grades 4-6 - Robotics

Primary Text:	Lego™ NXT Mindstorm	Course Rating:	1
Prerequisite:	None	Day	W,Th,F 2 Hour Class

Robotics is a science and technology course that looks at robots and the ever-changing and advancing field of Robotics. Students work in groups of 2-3 and are tasked with several missions. They learn about programming in a very kid-friendly way. The class also ties together principles of math and general science. If that is not enough, they get to build their robots out of the timeless LEGOs. The class uses the LEGO Mindstorm program. If you are curious, please look it up as pictures and demos are worth a thousand words.

Grades 4-6 - Computer Skills (Intermediate)

Primary Text:	None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Computer skills are important for all students. Students will learn the basics of navigating around their computer, keyboarding, the basics of Microsoft Word, Excel, PowerPoint, Google Docs, Slides and Sheets. Class activities will also include making cards and projects. Students are expected to practice keyboarding at home. Students will use the Jeffco Google login to access Google programs and district provided apps.

Grades 4-6 - Computer Game Coding

Primary Text:	None	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Students will build individual game designing skills while playing games themselves. They will edit, problem-solve, and use elements of design to build unique games. Students will have chances to learn how to code and think mathematically to build on their knowledge week by week.

Grades 6-8 – Computer Graphics and Video Editing

Primary Text:	None	Course Rating:	3
Prerequisite:	Previous Summit Computer Class	Day	W,Th,F

Students will create presentations through the use of multiple digital resources. Using a Google platform, students will work cooperatively as they develop skills in graphic and photo editing, narrated slideshows, photo editing, word processing, and keyboarding, in addition to investigating emerging technologies. Various individual and group projects may include PowerPoint presentations, We-Video productions, desktop publishing layout, green-screen photo editing, and creating presentations for various Summit events.

Grades 7-12 – Video Production

Primary Text:	None	Course Rating:	2
Prerequisite:	Previous Summit Computer Class	Day	W,Th,F

This class will introduce the basics of video production while students create multiple exciting projects that involve screenwriting, cinematography, and editing!

Continued...

Grades 7-8 – CS Discoveries (Code.org)

Primary Text:	Code.org CS Discoveries Curriculum	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This is a Middle School Computer Science class using the Code.org CS Discoveries curriculum. Per the website: The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. Students engage with computer science as a medium for creativity, communication, problem-solving, and fun. The course inspires students as they build their own websites, apps, games, and physical computing devices.

Grades 9-12 – CS Principles (Code.org)

(This course counts as a 1.0 technology credit for Jeffco graduation requirements.)

Primary Text:	Code.org CS Principles Curriculum	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This is a High School Computer Science class using the Code.org CS Discoveries curriculum. Per the website: Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course focuses on concepts such as how the internet works and the societal impacts of computer science. The course works for beginners and students with experience in our other courses.

Grades 7-12 – Software Application (Microsoft)

(This course counts as a 1.0 technology credit for Jeffco graduation requirements.)

Primary Text:	Discovering Computers and Microsoft Office	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

In Software Applications, students will complete activities and projects in business-related software applications such as Microsoft Office Suite and Google Drive. Application software taught will include word-processing, spreadsheet, presentation, graphics and database programs. Curriculum used will include (but not limited to) Microsoft Office Suite Application text, Dream Team and Teen Entrepreneur.

Grades 9-12 – Computer Programming

(This course counts as a 1.0 technology credit for Jeffco graduation requirements.)

Primary Text:	Discovering Computers and Microsoft Office	Course Rating:	3
Prerequisite:	Students should have some knowledge in programming (any language). (Summit classes with programming or coding meet this requirement.)	Day	W,Th,F

During this course, students will be either: 1. learning Python or 2. working on a project throughout the year (If they have prior programming knowledge):

1. Python is a high-level (very useful) language that is easy to understand and work with. Being that Python is an “object-oriented” programming language you can model real-world entities (like an adding machine) and allow for simple structure of the end product. Python is becoming very popular in the computer science world and the students can get a head start in the language (allowing them to have a “1-up” in the ever competitive workforce of technology). By the end of the course, the students will have the capability of creating their own simple program (the final in this course is a working final program).

2. If the student has enough previous knowledge, then they have the option to use that and create their own project (the teacher will be helping them decide on a good project) throughout the year. The teacher will help them work on their ideas and help them fix errors. All students will also learn some of the industry standards (like pseudocode) and the generally accepted formatting of their code.

Grades 11-12 : The Ultimate PBL (Project Based Learning) Hololens*(This course counts as a 1.0 technology credit for Jeffco graduation requirements.)*

Primary Text:	None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

The class is an advanced Project Based Learning experience. Students start out the first day with nothing and plan the class from there. Hololens will be our topic for this year. Students will use Unity software to create apps for the Microsoft Hololens.

Grades 9-12 - Drones: The Ultimate PBL (Not offered this year.)

Primary Text:	None	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

The class is an advanced Project Based Learning experience. Students start out the first day with nothing and plan the class from there. The only requirement to start with is that it must incorporate the use of drones. Students must research drones, determine which to purchase, FAA regulations, how to fly and then what? Competitions? Training? The sky's the limit! There is a strict age requirement. Only serious students should request this class as it requires independence, initiative and motivation.



CAREER AND TECHNICAL EDUCATION (CTE) CLASSES:

Grades 7-8: Middle School Career Pathways – (Not offered this year.)

In this course students will investigate one career cluster per semester. This year students will complete **Robotics and Law & Public Safety**. Students should plan on staying in this engaging class for the full year.

Primary Text:	Teacher Materials	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

Robotics: Students trace the history, development, and influence of automation and **robotics** as they complete projects to learn about mechanical systems, machine automation, and computer control systems. Students will use the Sphero platform to design a program and have a robot navigate through a simple maze at the end of this curriculum.

Law, Public Safety, Corrections, and Security offer rewarding opportunities. Jobs range from protective services such as homeland and computer security, firefighters, security, and police officers to rescuers, lawyers, judges, and legal assistants. This class will give students the opportunity to hear speakers and participate in engaging hands on experiences to explore an interest in this career field.

Grades 7-8 – 7 Habits to SOAR

(9th grade only: This course counts as a 1.0 elective credit for Jeffco graduation requirements.)

Primary Text:	Clifton Strengths Explorer, The 7 Habits of Highly Effective Teens	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Who am I, really? What am I good at? What am I interested in? And how on earth can I use that information to figure out what I should do when I grow up? This course will give you a chance to think and talk about those questions and to explore career fields to see what jobs might be a good fit for you. We will look at what it takes to pursue the work you're interested in, discover other possible options, and think about what you could do while still in school to help you achieve your career goals. And we'll spend some time talking about The 7 Habits of Highly Effective Teens, focusing in on executive function skills that will help you be more successful both in school and later in life.

Grades 9-12 – Seven Habits to SOAR (High School)

(This course counts as a 1.0 elective credit for Jeffco graduation requirements.)

Primary Text:	The 7 Habits of Highly Effective Teens	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Do you ever feel like you're drowning in all those papers, assignments, and emails? As students move into middle and high school, most want to begin to handle many of those things themselves – but how? During our first semester in this class, we will focus on executive function and study skills, helping you learn to organize all those things. We'll use the SOAR app from StudySkills.com to introduce students to systems that will help them become stronger, more organized, more effective learners. During the second semester, we'll focus on answering questions like: Who am I, really? What am I good at? What am I interested in? And how on earth can I use that information to figure out what I should do when I grow up? We'll think and talk about those questions, and we'll explore career fields to see what jobs might be a good fit for you. And throughout the year, we'll spend time talking about the 7 Habits of Highly Effective Teens, beginning to tackle important skills like being proactive, setting and achieving goals, building relationships, listening, and maintaining balance.

Grades 7-12 – Passion Project*(This course counts as a 1.0 elective credit for Jeffco graduation requirements.)*

Primary Text:	Teacher and Student Resources	Course Rating:	2
Prerequisite:	All prospective students must turn in a Passion Project Plan before being assigned this class.	Day	W,Th,F

This course is an independent study course. This course is for anyone who has a passion for something. Some examples are: starting a charitable organization, starting a business, creating a blog, wanting to learn what it takes to become a veterinarian, wanting to learn what it takes to start a recording studio. Students should request this class with their Class Choices, however all 7-12th graders must submit a Passion Project Plan prior to being placed in this class. Two components that will be incorporated in this class are the use of technology to complete your project and a community partner who will serve in an advisory role. Summit will provide a teacher to guide you through your project and provide accountability for completion of your project.

Grades 9-12 - Career Exploration (Not offered this year.)*(This course counts as a 1.0 elective credit for Jeffco graduation requirements.)*

Primary Text:	Career Exploration	Course Rating:	3
Prerequisite:	None	Day	Wed. Only

This class will encourage students to get to know themselves well, understanding their own strengths, weaknesses, and interests, and to explore career fields to discover what careers might be a good fit for their set of strengths and interests. Students will consider what is required to pursue the careers they are interested in, discover alternative options, and think about jobs or volunteer opportunities they might take on while still in school to help them achieve their career goals. We will also discuss soft skills – workplace and life skills that are crucial to achieving career success. This class is project based; students can expect to explore questions of interest to them and create authentic presentations that will encourage and support both their own and other students' career searches.

MUSIC (MU) CLASSES:

Music Classes

MUSIC CLASS BOOK FEES: Music classes have book fees to cover the costs of music books. These books are the property of students so that teachers can write personal notes and marks in the book for student practice. All fees will be paid at Orientation. Books may include practice books, theory, or special music. If students are using their books from the previous year, students should bring them the first day of class, however, the fee will still be paid assuming the child will progress to new books during the year.

Grades 2-12 (Beg) or 4-12 (Int) - Beginning Piano and Intermediate Piano

Primary Text:	Lesson, Technique and Theory Books	Course Rating:	4
Prerequisite:	Beginning: None Intermediate: Must have completed Level 2 piano books.	Day	W,Th,F

Students will learn the basics of playing the piano in a small group setting. Students will listen and perform a variety of pieces on the piano. Students will also learn basic theory. Assessments will include efforts, attendance, preparation for class and expression. Parents are responsible for providing an instrument and monitoring practices at home. Required practice time is five 20-30 minute practice sessions per week. 2nd year students will continue to build on these concepts.

Grades 2-3 - Elementary Music and Choir Performances in Dec. and May

Primary Text:	Teacher Resources. Parents are responsible for providing concert attire: black pants/skirt and shoes, shirt color TBD for each concert.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students will explore the basics of music through singing, playing classroom instruments, moving to music, listening to and analyzing music, and creating and performing. Students will be exposed to a wide variety of genres from around the world. There will be a performance at the end of each semester.

Grades 4-6 - Elementary Choir Performance in December and May

Primary Text:	Teacher Resources. Parents are responsible for providing concert attire: black pants/skirt and shoes, shirt color TBD for each concert.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Beginning choral techniques are taught in this course, including the basic fundamentals of vocal production, general music knowledge, unison and two-part singing, choreography and performance techniques. Students will be given the opportunity to sing music suited to their abilities and interests while also learning choreography for some music. Homework will consist of practicing music weekly at home using the choir's blog and memorizing songs for performances. This group will perform twice during the year, once in December and once at the end of the school year. Performances and extra rehearsals are required.

Continued...

Grades 7-9 - Middle School Choir**This is a performance class. Performances are required. Date: December 6-10, May 9-11**

Primary Text:	Teacher Resources plus Binder and Choir music provided by Teacher. Parents are responsible for providing concert attire: black pants/skirt and shoes, boys will need a black button down dress shirt. Girls will need a red shirt for winter and a black shirt for spring.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Middle School Choir is an Intermediate vocal ensemble of Soprano, Alto and Tenor/Baritone voices. Singers in this ensemble will learn intermediate choral techniques, including the basic fundamentals of healthy vocal production, basic music theory, three part mixed and SAB part singing, and performance skills. Students will be given the opportunity to sing music suited to their abilities and interests from a variety of time periods, styles and cultures while also learning and applying elements of music theory. Choreography will also be taught for some music. Homework will consist of practicing music weekly at home using online audio and video files posted in Schoology to memorize vocal parts, lyrics and choreography for performances. Both In-Class and online instruction will be provided for required skills. Students may be required to submit some audio/video assignments as well as fill out an online practice quiz each week via Schoology. This is a performance class; students will be required to attend classes and ALL scheduled dress rehearsals in order to perform. This group will perform two major productions at the end of each semester. All music needs to be returned to the choir teacher after performances.

Grades 7-12 – Signing Choir

(This course counts as a 1.0 elective credit for Jeffco graduation requirements. Students should check with their desired post secondary institution for World Language Admission requirements.)

Primary Text:	Teacher resources	Course Rating:	2
Prerequisite:	No previous signing experience necessary	Day	W,Th,F

Signing Choir students learn sign language through a creative, fun process. We sign traditional and pop culture songs using Conceptually Accurate Signed English (CASE). Together, we will explore the meaning of the lyrics as we strive to interpret the meaning, not the actual words, and do so in a picturesque way. Students will have a blast with the different styles of music being reflected in the physical movements of the choir. Such movements – in addition to signing – are part of capturing and enjoying the essence of the music, although the main focus is on the signing and not the choreography. We will perform a couple times a year to showcase the students' sign language skills. Come sign with us!

Grades 7-12 - Guitar Beginning, Intermediate

Primary Text:	Instruction Books Music Stand Required Concert Attire Required: Black Pants/Skirt and White Shirt	Course Rating:	4
Prerequisite:	None for Beginners Intermediate: Completed at least 1 year of Guitar instruction.	Day	W,Th,F

Students should choose their class based on previous experience. The level of instruction will advance with ability. A variety of styles will be covered. Students will learn notes and chords. Once students have mastered some of the basics they will have some time in class to work on individual pieces. Parent responsibilities include providing an instrument and monitoring practice time at home. Preferred guitar is an acoustic or classical guitar. An electric guitar is not permitted. Required practice is five 20 minute sessions per week.

Grades 7-12 - World Percussion Ensemble**This is a performance class. Performances are required. Date: December 6-10, May 9-11**

Primary Text:	Teacher Resources	Course Rating:	2
Prerequisite:	Some Basic Music Knowledge	Day	W,Th,F

This course is designed to promote a student's development as a performer on percussion instruments, while also emphasizing stylistic interpretation and ensemble etiquette. Students are instructed in basic percussion technique and basic music theory. Students will explore sound and rhythm with both pitched and non-pitched percussion instruments and objects, while discovering how to combine different sounds to create a musical presentation. Some music will be taught through oral tradition by rote, and some music will be learned using written materials. Students are encouraged to use their memory in retaining the rhythms and songs that are presented. Cultural information will be given on the origins of the instruments used as well as the music being played. Both in-class and online instruction will be provided for required skills. Students may be required to submit some audio/video assignments as well as fill out an online practice quiz each week via Schoology. This is a performance class; students will be required to attend classes and ALL scheduled dress rehearsals in order to perform. This group will perform two major productions at the end of each semester.

Grades 9-12 - High School Choir**This is a performance class. Performances are required. Date: December 6-10, May 9-11**

PrimaryText:	Teacher Resources plus Binder and Choir music provided by Teacher. Parents/Students are responsible for providing concert attire: black pants and shoes, boys will need a black button down dress shirt. Girls will need a plain black shirt with sleeves.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

High School Choir is an Advanced vocal ensemble of Soprano, Alto, Tenor and Bass voices. Singers in this ensemble will learn both intermediate and advanced choral techniques, including fundamentals of healthy vocal production, sight singing, SATB and SSAATB part singing, and performance skills. Students will be given the opportunity to sing music suited to their abilities and interests from a variety of time periods, styles and cultures while also learning and applying elements of music theory. Choreography will also be taught for some music. Homework will consist of practicing music weekly at home using online audio and video files posted in Schoology to memorize vocal parts, lyrics and choreography for performances. Both In-Class and online instruction will be provided for required skills. Students may be required to submit some audio/video assignments as well as fill out an online practice quiz each week via Schoology. This is a performance class; students will be required to attend classes and ALL scheduled dress rehearsals in order to perform. This group will perform twice at the end of each semester. All music needs to be returned to the choir teacher after performances.

THEATER ARTS (TA) CLASSES:

Grades 2-3 - Creative Drama

Primary Text:	N/A	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students will be exposed to a variety of drama activities. Building imagination and teamwork will be emphasized. Classes will be highly active. Children will explore creativity through movement, role-playing, storytelling, puppets, games, music, and crafts. Homework is rare, but students will need to memorize some lines near performance time. Performances will be during class time November 10-12 and May 4-6.

Grades 4-7 - Drama

Performance Dates: March 9-11, 2022

Primary Text:	Play Script Students may be asked to provide basic clothing items for costumes.	Course Rating:	2
Prerequisite:	None		W,Th F

This class is designed for the beginning drama student to be introduced to a variety of skills and topics. Units include body control, stage movement, voice and diction, singing, characterization, improvisation, stage make-up and storytelling. This class was assigned a rating of 2 due to occasional memorization of lines at home increasing with difficulty depending on the part assigned to each student. Performances, including a day of dress rehearsal and performances, are required. EXTRA PARENT VOLUNTEER REQUIREMENT: CHAPERONE AT PERFORMANCE OR REHEARSAL.

Grades 8-12 - Musical Theater

This is a performance class. Performances are required. Date: Feb. 28-March 4th, Spring Performance May 9-11.

Primary Text:	Script and audio files TBD Students may be asked to provide basic clothing items for costumes.	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

THIS IS A TWO HOUR BLOCK CLASS. This class is designed to strengthen and enhance skills in ensemble work/team work, movement, voice, theater vocabulary, acting techniques, scene analysis, and character development. Students will audition, rehearse and perform, while learning the rigorous work ethic needed to produce a large-scale musical theatre production. Singing, dancing and acting will be incorporated into this class; however, lack of experience should not be a deterrent to participating. Both IN-CLASS and ONLINE Instruction will be provided for required skills and students will be REQUIRED to SUBMIT VIDEO ASSIGNMENTS and WRITTEN ASSIGNMENTS via SCHOLOGY. There will be many roles available for students of all abilities and interests. This is a performance class; students are required to spend time memorizing lines, reviewing blocking and rehearsing music and choreography every week. Students will be required to attend classes and ALL scheduled dress rehearsals in order to perform. EXTRA PARENT VOLUNTEER REQUIREMENT: Parents will be asked to donate or assist in providing PROPS, COSTUMES, SET PIECES, and/or be asked to CHAPERONE AT A PERFORMANCE OR REHEARSAL.

PHYSICAL EDUCATION (PE) + HEALTH (HE) CLASSES:

Grades 2-4 - Backyard Games/Physical Education (Not offered this year.)

Primary Text:	N/A	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

This class is designed to maximize activity for students. Some of the games will be high-intensity, some are based on movement that stimulates brain activity, and some are designed with the simple goal of getting kids up, active and happy to move. Class will start with a warm-up, move into the main activity, and then a cool-down. We will be playing some oldie but goodie games such as Kickball, Capture the Flag, Dodgeball and many more fun games. All this will keep the students moving and having fun.

Grades 2-4 - Physical Education

Primary Text:	N/A	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

This class consists of monthly units of different sports such as soccer, basketball, racquet sports and others. Age appropriate skills are taught. We also work on jumping rope, cup stacking and other coordination skills.

Grades 5-6 - Physical Education

Primary Text:	N/A	Course Rating:	2
Prerequisite:	Students in the Competitive PE class period should have previous athletic experience or a desire to participate at a competitive level.	Day	W,Th,F

*Students will be involved in multiple sports and physical activities, covering basic skills and rules. In addition, students will be introduced to nutrition topics. Each class involves a warm-up, strength and flexibility exercises. Students will train and test for the Presidential Fitness Award. *Homework will be minimal, consisting of a workout log, which includes a monthly character trait from John Wooden's "Pyramids of Success."*

Grades 1-2, 2-4, 5-8, 9-12 - Martial Arts

Primary Text:	N/A	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Students will learn kicking, punching, and self-defense techniques, centered on the principles of self-discipline, respect, perseverance, etc. Students will practice flexibility and balance. Board-breaking at the end of the year. No-contact sparring techniques. For homework, students will be expected to learn terms in Korean, count to ten in Chinese, study and learn character values and some martial arts history, and practice their forms, moves, and combinations. Testing consists of a written test and a physical test, demonstrating understanding of the material. Comfortable and modest clothing required (loose pants, not leggings, and tucked or long shirts).

Continued...

Grades 2-3, 4-6, 4-8, and 7-12 -Climbing - Physical Education

Primary Text:	None	Course Rating:	grade 2-3: 1 grade 4 & up: 2
Prerequisite:	None	Day	W,Th,F

In this Physical Education class students will learn and apply the basics of rope climbing including belay techniques, climbing techniques and physical fitness required for climbing. Students will need to wear clothes intended for physical fitness. (Grade 4 and up, homework will consist of 2-3 assignments for the year.)

Grades 7-12 - Lifestyle Health - Fitness

(This course counts as a 1.0 P.E. credit for Jeffco graduation requirements.)

Primary Text:	Teacher Resources Optional field trips may incur additional fee. Students in the Competitive PE class period should have previous athletic experience or a desire to participate at a competitive level.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

This class includes a broad overview of living a healthy lifestyle through physical activity. Homework includes a monthly workout log, nutrition assignments and ways to think positive based on John Wooden's Pyramid of Success. The majority of in-class time is being exposed to ways to workout at home and monthly units of a variety of sports.

Grades 7-12 - Culinary Nutrition

Primary Text:	None	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

The purpose of Nutrition is to develop lifelong, healthy individuals with an understanding of healthy and nutritious cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, and practicing wise consumer decisions. As we cook each week, students will learn about cooks that have influenced us, ethnic foods, what farm to table means, and many other things in the amazing world of food.

Grades 9-12 - Yoga

Primary Text:	None Students will need a yoga mat. They will also need to bring clothes appropriate for movement. Tops must be fitted to prevent exposure during movement and bends. Clothing must meet dress code standards.	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

In this class students will learn the fundamentals of the practice of yoga, including physical postures, breath work, and introductory mindfulness. Students will be expected to bring and keep their own journals throughout the course of the year, for note-taking and some reflective assignments. Students should bring their journal and yoga mat each week.

MISCELLANEOUS (MI) ELECTIVE CLASSES:

Grades 2-3 - Brain Games

Primary Text:	None	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Did you know that exercising your brain isn't just in your head? Participate in fun games and activities to stretch and strengthen your brain. We'll exercise your vision, push your proprioception, spin your vestibular, move your motor skills, toughen your tactile, and more. This class just might make your head spin! Students will engage in mind challenges, brain facts and cerebrum and cerebellum games each week.

Grades 4-6 - Brain Games

Primary Text:	None	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Did you know that exercising your brain isn't just in your head? Participate in fun games and activities to stretch and strengthen your brain. We'll exercise your vision, push your proprioception, spin your vestibular, move your motor skills, toughen your tactile, and more. This class just might make your head spin! Students will engage in mind challenges, brain facts and cerebrum and cerebellum games each week.

Grades 2-5, 6-8, and 9-12 Destination Imagination (Not offered this year.)

Primary Text:	Destination Imagination Materials	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

Destination Imagination teams prepare to solve problems at competition. Problems are project based and blend science, technology, engineering and math, with the arts and social entrepreneurship. They are not only engaging, but also encourage kids to have fun, take risks, work with others and build on their personal strengths. Each child finds his or her place within the team and is able to discover and display unique abilities and talents in ways they may never have imagined. Students who participate in DI learn to focus, think creatively and critically, and test well. Competition is usually in early March and students are required to participate.

**There is no scheduled homework, however, students may need to "up" their work level as competition nears. LOOK FOR PARENT COACHING OPPORTUNITIES IN THE VOLUNTEER REQUESTS.*

Grades 9-12 – SAT Prep

Primary Text:	Various Resources	Course Rating:	1
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Prerequisite:	Must have completed or be concurrently enrolled in Alg 2 or Math 121 at the college.	Day	W,Th
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This class will help students to prepare for the SAT. Practice is known to help students make significant improvement on their scores. Students will independently complete online practice tests and exercises to improve in an individualized plan with the goal of improving their scores. Grade is based on the amount of time students spend on practice. THIS CLASS IS PENDING STUDENT INTEREST. A CLASS WILL BE SET UP ONCE STUDENTS HAVE SIGNED UP AND SCHEDULES ARE ASSESSED. IF INTERESTED, SIGN UP IN THE SPECIAL REQUEST SECTION OF THE CLASS REQUESTS.

Continued...

Grades 7-12 - Office/Teacher Assistant

Primary Text:	None	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Students may elect to spend one period assisting a teacher in the classroom or working in the office. This elective gives the student hands-on exposure to a classroom or office work environment. Students will gain independence, responsibility and leadership skills as they complete teacher or office staff assignments. Grades are determined by attendance, work ethic, and successful completion of tasks. Assignment to a classroom is determined by teacher need. Classroom aids are limited to one student per period. This class may be repeated.

THE END