



The Summit Academy
Course Catalog
2019-2020

A NOTE FROM STEPHANIE

Dear Parents and Students,

It's one of my favorite times.... getting out the course schedule and descriptions. I have to admit, it's nice to check off this monumental task from my "to-do" list, but so much more importantly, it excites me to take the talk about the potentials and make them a reality. I'm especially excited to present the new classes because I think it is valuable in the education of our students. 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 students.

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.

The new addition for this year is Career Development and Exploration. Each semester I meet with our high school students and plan their schedules with their post-secondary goals in mind. While it is completely normal for a high school student to not be sure about their future path, those who have ideas about their future can plan much more effectively. So, thinking it might be helpful to provide some guidance in this area to our students, I began to research programs. What I found was so convicting. Summit HAS to include a Career Development and Exploration Program. Here's some of what I discovered:

In 1997, the five living presidents, Jimmy Carter, Gerald Ford, George H Bush, Bill Clinton and Nancy Reagan, representing Ronald Reagan started the Presidents' Summit. The idea was to figure out how to follow through on "America's Promise" to our children. They created five promises to America's youth. The fourth promise, "An effective education that equips children with marketable skills," launched a study into the need for career development. As homeschooling parents, it is incumbent upon us to follow through on this promise to our children.

The research says that kids who are exposed to career development and exploration see a purpose for what they are doing. They are more likely to set goals, take more advanced classes to meet those goals, perform better in those classes and have more hope about their future. If you want more info, please see the next page. I have copied some notes from the Presidents' Summit Conference Program that gives a more in-depth explanation on the need for career development and exploration.

With those goals in mind, see page 5 to find out what's new at Summit....



Some “Notes” from The America’s Promise Alliance On Career Development

In April of 1997 Presidents Ford, Carter, Bush, Clinton and Nancy Reagan, representing Ronald Reagan stood on the steps of Independence Hall in Philadelphia and committed to our increasingly knowledge-driven world demands people who have the education and skills to thrive in a competitive marketplace, and to understand the increasingly complex world in which they live. That means that in order to compete and succeed, all young people will need an effective education that prepares them for work and life.

For the sake of our nation and our children, we cannot afford to allow the wrong road to become jammed, while the right road remains traveled by only those blessed with greater means or privilege. We cannot afford to surrender America’s Promise.

CONFERENCE PROGRAM, PRESIDENTS’ SUMMIT FOR AMERICA’S FUTURE, APRIL 1997

How do we expect young people to dream if they don’t know what they can dream about? Opportunities for career exploration give young people broader exposure to the working world they will one day enter. It helps them “connect the dots” between school and career in ways that keep them motivated to graduate with the skills they will need for the future.

- Career exploration experiences and opportunities can improve academic performance. They also increase the likelihood that these students will complete high school and pursue post-secondary education.
- Career exploration opportunities improve the attitudes of young people about their career possibilities, motivating them to persevere.
- Career exploration improves students’ knowledge of career options, encouraging them to develop and work toward goals during the critical years when they are also beginning to venture beyond the orbit of their parents.
- With a better understanding of the working world, young people can more easily envision how they fit successfully into that world. Knowing the preparation, they will need for specific careers, participants also become better able to set realistic goals for themselves and pursue them.
- Students who are involved in career exploration are more likely to plan their high school courses of study carefully to gain the skills they will need. Students participating in career exploration programs as middle-schoolers are more likely to enroll in higher level math courses in high school and have higher self-esteem.

For more information, go to: <https://www.americaspromise.org/>

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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 on page 5 to see what is offered this year.
3. The following priority list is based on requests made by the deadline. The priority level is as follows: previous Summit Enrollment, Age, and Need. Students in the age category for a class have priority over those who are outside the age category. Need is based on full time status graduation requirements and college schedule.
4. When a class fills, we try and are often able to add sections or decide for classes to meet the needs of our students. Unfortunately, this is not always possible, and students will be asked to make another class choice.
5. You will receive an email confirming that we have received your requests. You will be notified by email if a problem arises when filling your schedule.
6. Homebased students must choose all their classes on one day. Full time students may choose classes on multiple days in order to meet graduation requirements and to work around their college schedule. (See page 1.)

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	FL-FOREIGN LANGUAGE
LA-LANGUAGE ARTS	MA-MATH	MU-MUSIC	PE-PHYSICAL ED
SC-SCIENCE	SS-SOCIAL STUDIES	TA-THEATER ARTS	TE-TECHNOLOGY
MI-MISCELLANEOUS	CE-CAREER EXPLORATION		

WHAT'S NEW THIS YEAR:

Here's a few highlights of some new classes we are offering. Check them out on the schedule and course descriptions.

Important Dates: LAUNCH DAY: August 21-23

Career Fair: March 13-15

Career Development and Exploration

1. All Summit classes (K-12) will include career exploration. Students in each class will be exposed to careers in every area of study.
2. Middle School (Grades 6-8) Career Exploration
There are 16 Career Clusters. Career Exploration will be a 3-year cycle. If a middle school student takes this class all three years, they will be exposed to all 16 clusters. The classes are designed to be an engaging, serious look at possible career opportunities. Students will participate firsthand in real life activities designed to provide exposure to the everyday work of a variety of careers. This first year, students participate in a year long course, with Medical Detectives one semester and Green Architecture the other semester.
3. High School (Grades 9-12) All 9-12th graders are invited to join us on Wednesdays, 3rd period for Career Development. 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.

American Sign Language Choir: ASL classes were successful this year, so looking forward to seeing (not hearing) this choir.

Computer Science: We are still offering classes at each level. This year, however, we have added a few more, but instead of Computer Geeks Independent Study, each class will have a more focused study into an area of computer science. See the course descriptions for more info.

Engineering and Project Lead the Way (PLTW): A middle and high school introduction to engineering program was added to the lineup last year. Project Lead the Way, Gateway, for middle school students gives students the opportunity to investigate different careers. Principles of Engineering is the 2nd course in the Engineering track. Students do not have to have had Intro in Engineering, but for those who have, this is the continuation of the 4 year track.

Science of Gardening: We're looking into a greenhouse. 4-6th graders can join Mrs. Middaugh to learn science and design principles of gardening.

2019 - 2020 The Summit Academy Class Schedule

Hour	Grade	Class	Ratin	Wednesday	Thursday	Friday	Dept
1	1	1st Grade Fun w/Books	1	Longtain	Longtain	Kohler	LA
1	2-3	Reading Intervention (Barton)	5	Dormish	Dormish	Dormish	LA
1	2-3	Dance	1	Hickman	Hickman	Hickman	PE
1	2-3	General Science	1	Arndt	Arndt	Arndt	SC
1	2-3	Nature Crafts	1	Vizcaino	Vizcaino	Yonaha	SC
1	2-3	Creative Drama	2	Stayer	Stayer	Stayer	TA
1	4-6	Brain Games	1	Salgado	Salgado	Salgado	MI
1	4-6	Maker Space	1	O'Connor	O'Connor	O'Connor	TE
1	4-8	Student Leadership	2	Mlddaugh	Mlddaugh	Mlddaugh	SS
1	4-12	Intermediate Piano	4	Halladay	Halladay	Halladay	MU
1	5-7	Physical Education	2	Sharp	Sharp	Sharp	PE
1	5-8	Mountain Lab School	2	Campbell	Campbell	Campbell	SC
1	6-8	Middle School Science (2 Hour)	5	Stordeur	Stordeur	Stordeur	SC
1	7-12	Beginning Design and Photography	2	Desrochers	Desrochers	Desrochers	AR
1	7-12	Office/Teacher Aid	1				MI
1	8-12	ASL 2	4	Simon	Simon	Simon	MI
1	8-12	Musical Theater (2 Hour Class)	3	Mann	Mann	Mann	TA
1	9-12	Spanish 1 (2 Hour Class)	5	Marcy	Farber	TBD	FL
1	9-12	High School Literature	5	Miller	Miller	Miller	LA
1	9-12	SAT PREP (Wed and Thurs. only)	1	Smith	Smith	X	MI
1	9-12	Climbing	2	Bucher	Bucher	Bucher	PE
1	9-12	Ultimate PBL (Drones)	2	Zerr	Zerr	Zerr	TE
1	11-12	Pre-Calculus (2 Hr Class) (Friday only)	5	X	X	Smith	MA
1	K	Kindergarten	1	McDuffee	Carreras	Carreras	K
2	1	General Science	1	Arndt	Arndt	Arndt	SC
2	2-3	Primary Art	1	Desrochers	Desrochers	Desrochers	AR
2	2-3	Brain Games	1	Salgado	Salgado	Salgado	MI
2	2-3	We-Do Lego Robotics	1	Vizcaino	Vizcaino	Yonaha	TE
2	2-4	Maker Space	1	O'Connor	O'Connor	O'Connor	TE
2	2-12	Intermediate Piano	4	Halladay	Halladay	Halladay	MU
2	4-6	Logic	2	Middaugh	Middaugh	Middaugh	MA
2	4-6	Geography	2	Longtain	Longtain	Kohler	SS

2	4-6	Computer Skills (Intermediate)	1	Campbell	Campbell	Campbell	TE
2	4-7	Ameritowne	2	Stayer	Stayer	Stayer	SS
2	6-8	Middle School Dance	1	Hickman	Hickman	Hickman	PE
2	6-8	Middle School Science (2 Hour)	5	Stordeur	Stordeur	Stordeur	SC
2	7-8	CS Discoveries	2	Boyle	Boyle	Boyle	TE
2	7-12	Office/Teacher Aid	1				MI
2	7-12	Lifestyle Health	2	Sharp	Sharp	Sharp	PE
2	8-12	Musical Theater (2 Hour Class)	3	Mann	Mann	Mann	TA
2	9-12	Spanish 4 (Wednesday only)	5	Farber	X	X	FL
2	9-12	Spanish 1 (2 Hour Class)	5	Marcy	Farber	TBD	FL
2	9-12	High School Writing Level 1	5	Miller	Miller	Miller	LA
2	9-12	Geometry (Wed-Thurs only)	5	Smith	Smith	X	MA
2	9-12	Congress and the Constitution	3	Bucher	Bucher	Bucher	SS
2	9-12	Computer Programming	2	Zerr	Zerr	Zerr	TE
2	11-12	Pre-Calculus (2 Hour Class)(Friday)	5	X	X	Smith	MA
2	K	Kindergarten	1	McDuffee	Carreras	Carreras	K
3	1	1st Grade Math Games	1	Stayer	Stayer	Stayer	MA
3	2-3	Primary Art	1	Desrochers	Desrochers	Desrochers	AR
3	2-3	Wild Writing	2	Vizcaino	Vizcaino	Yonaha	LA
3	2-3	Mystery Science	1	Salgado	Salgado	Salgado	SC
3	2-4	Physical Education	1	Sharp	Sharp	Sharp	PE
3	2-12	Beginning Piano	4	Halladay	Halladay	Halladay	MU
3	4-6	Art	1	Hickman	Hickman	Hickman	AR
3	4-6	Reading Intervention (Barton)	5	Dormish	Dormish	Dormish	LA
3	4-6	Journalism/Newspaper	2	O'Connor	O'Connor	O'Connor	LA
3	4-6	General Science	2	Arndt	Arndt	Arndt	SC
3	4-7	Book Club - Literature & Vocab	3	Longtain	Longtain	Kohler	LA
3	4-7	Drama	2	Middaugh	Middaugh	Middaugh	TA
3	6-8	Career Exploration		Campbell/Zerr	Campbell/Zerr	Campbell/Zerr	CE
3	7-12	ASL 1	4	Simon	Simon	Simon	MI
3	7-12	Office/Teacher Aid	1				MI
3	7-12	Software Applications (Microsoft)	2	Boyle	Boyle	Boyle	TE
3	8-12	Algebra 1	5	Smith	Smith	Smith	MA
3	9-12	Career Exploration (JAG PBL Project)	3	Marcy	X	X	CE
3	9-12	Spanish 3	5	Farber	Farber	TBD	FL

3	9-12	Speech and Debate	4	Miller	Miller	Miller	LA
3	9-12	High School Choir	2	Mann	Mann	Mann	MU
3	10-12	Chemistry (2 Hour Class)	5	Stordeur	Stordeur	Stordeur	SC
3	11-12	Fall Gov/Spring Econ	5	Bucher	Bucher	Bucher	SS
3	K	Kindergarten	1	McDuffee	Carreras	Carreras	K
4	1	1st grade Spanish	1	Dormish	Dormish	Dormish	FL
4	2-3	Primary Spanish	2	Salgado	Salgado	Salgado	FL
4	2-3	Geography	2	Longtain	Longtain	Kohler	SS
4	2-3	Hands on History (World History)	2	Vizcaino	Vizcaino	Yonaha	SS
4	2-4	Computer Skills (Beginning)	1	Campbell	Campbell	Campbell	TE
4	4-5	Dance	1	Hickman	Hickman	Hickman	PE
4	4-6	Art	1	Desrochers	Desrochers	Desrochers	AR
4	4-6	Elem Spanish Level 2	3	Mandl	Mandl	Mandl	FL
4	4-7	Math Games	1	Stayer	Stayer	Stayer	MA
4	4-6	Elementary World History	3	Middaugh	Middaugh	Middaugh	SS
4	4-6	Computer Game Coding	1	Arndt	Arndt	Arndt	TE
4	4-8	Climbing	2	O'Connor	O'Connor	O'Connor	PE
4	7-8	Middle School Spanish	3	Farber	Farber	TBD	FL
4	7-8	Pre-Algebra	5	Smith	Smith	Smith	MA
4	7-12	Office/Teacher Aid	1				MI
4	7-12	World Percussion	2	Mann	Mann	Mann	MU
4	7-12	ASL Choir	2	Simon	Simon	Simon	MU
4	7-12	Beginning Guitar	4	Halladay	Halladay	Halladay	MU
4	7-12	Lifestyle Health	2	Sharp	Sharp	Sharp	PE
4	9-12	Creative Writing (Elective)	4	Miller	Miller	Miller	LA
4	9-12	High School World History	5	Bucher	Bucher	Bucher	SS
4	9-12	Principles of Engineering (PLTW 2)2 hour	4	Zerr	Zerr	Zerr	TE
4	10-12	Chemistry (2 Hour Class)	5	Stordeur	Stordeur	Stordeur	SC
4	K	Kindergarten		McDuffee	Carreras	Carreras	
5	2-3	Reading Games and Fix It Grammar	3	Dormish	Dormish	Dormish	LA
5	2-3	Kitchen Classroom	1	Vizcaino	Vizcaino	Yonaha	LA
5	2-3	Math Games	1	Stayer	Stayer	Stayer	MA
5	2-4	Natural Wonders of the World	2	Salgado	Salgado	Salgado	SS
5	4-6	Art	1	Desrochers	Desrochers	Desrochers	AR
5	4-6	Fix It Grammar(2) and Games	3	Longtain	Longtain	Kohler	LA

5	4-6	IEW Writing	3	Mandl	Mandl	Mandl	LA
5	4-6	Science and Design of Gardens	2	Middaugh	Middaugh	Middaugh	SC
5	4-6	Robotics (2 Hour Class)	1	Arndt	Arndt	Arndt	TE
5	4-8	Climbing	2	O'Connor	O'Connor	O'Connor	PE
5	5-6	Sewing	2	Campbell	Campbell	Campbell	AR
5	5-8	Middle School Choir	2	Mann	Mann	Mann	MU
5	7-8	Middle School World History	4	Bucher	Bucher	Bucher	SS
5	7-12	Set Design HS Art	2	Hickman	Hickman	Hickman	AR
5	7-12	Office/Teacher Aid	1				MI
5	7-12	Intermediate Guitar	4	Halladay	Halladay	Halladay	MU
5	7-12	Passion Project	3	Boyle	Boyle	Boyle	TE
5	9-12	Spanish 2 (2 Hour Class)	5	Farber	Farber	TBD	FL
5	9-12	Geometry	5	Smith	Smith	Smith	MA
5	9-12	Biology (2 Hour Class)	5	Stordeur	Stordeur	Stordeur	SC
5	9-12	Principals of Engineering (PLTW 2)2hour	4	Zerr	Zerr	Zerr	TE
5	11-12	High School Writing Level 2	5	Miller	Miller	Miller	LA
5	K-1	Physical Education	1	Sharp	Sharp	Sharp	PE
6	1	Art	1	Desrochers	Desrochers	Desrochers	AR
6	2-3	Fun With Books	2	O'Connor	O'Connor	O'Connor	LA
6	2-3	Kitchen Classroom	1	Vizcaino	Vizcaino	Yonaha	LA
6	2-3	Beginning Piano	4	Dormish	Dormish	Dormish	MU
6	2-4	Physical Education	1	Sharp	Sharp	Sharp	PE
6	2-5	Destination Imagination	3	Mandl	Mandl	Mandl	MI
6	2-5	Children's Choir	2	Halladay	Halladay	Halladay	MU
6	4-6	Elementary Spanish Level 1	3	Salgado	Salgado	Mandl	FL
6	4-6	Colorado History	2	Stayer	Stayer	Stayer	SS
6	4-6	Robotics (2 Hour Class)	1	Arndt	Arndt	Arndt	TE
6	4-8	Computer Graphics&Video Edit	2	Campbell	Campbell	Campbell	TE
6	6-8	Destination Imagination	3	Mandl	Mandl	Mandl	MI
6	7-8	Middle School Writing Level 1	4	Middaugh	Middaugh	Middaugh	LA
6	7-8	Middle School Writing Level 2	4	Miller	Miller	Miller	LA
6	7-8	Design & Modeling	3	Zerr	Zerr	Zerr	TE
6	7-12	HS Art	2	Hickman	Hickman	Hickman	AR
6	7-12	Book Club - Literature &Vocab	4	Longtain	Longtain	Kohler	LA
6	7-12	Office/Teacher Aid	1				MI

6	9-12	Introduction to General Aviation	3	Bucher	Bucher	Bucher	CE
6	9-12	Spanish 2 (2 Hour Class)	5	Farber	Farber	TBD	FL
6	9-12	Alg 2	5	Smith	Smith	Smith	MA
6	9-12	Biology (2 Hour Class)	5	Stordeur	Stordeur	Stordeur	SC
6	9-12	CS Principles	3	Boyle	Boyle	Boyle	TE
6	K	Kindergarten		McDuffee	Carreras	Carreras	

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 by at LAUNCH on Aug. 21-23

Fee Title	Fee
Activity Fee	\$25
Graduation Fee	\$40
Guitar	\$15
Piano	\$15
Lifestyle Health	\$15
IEW elementary and middle school writing 1	\$20
Mountain Lab School (Due March 1)	\$140
1 st Grade – Spanish Music CD	\$10
Spanish, Grades 4-6	\$15
Choir (Middle and High School)	\$15
Musical Theater and Drama (4-7 and 8-12)	\$15
Ameritowne	\$20
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

The Summit Academy 2019-2020 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 2019-2020 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 may only participate on one day. Full time students, based on graduation requirement needs and college schedule may be able to take classes on different days.

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 computer science 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 stimulating 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. Student 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/Computer Science: Students will spend 30 minutes in each class. 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. Computer Science used the code.org kindergarten curriculum to teach basic programming concepts such as loops and events. Lessons also teach students to collaborate with others meaningfully, investigate different problem-solving techniques, persist in the face of difficult tasks, and learn about internet safety. At the end of this course, students create their very own custom game or story they can share.

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 Dance 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 2nd period, Dance or Physical Education.

Class Fee of \$10 for Spanish Music CD

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/Computer Science: Students will spend 30 minutes in each class. 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. Computer Science used the code.org kindergarten curriculum to teach basic programming concepts such as loops and events. Lessons also teach students to collaborate with others meaningfully, investigate different problem-solving techniques, persist in the face of difficult tasks, and learn about internet safety. At the end of this course, students create their very own custom game or story they can share.

General Science: This science course will focus on science in an experiential, inquiry based learning environment. Student will investigate broad science topics of 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.

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.

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.***

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) Student 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) Student 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.)*

Grades 2-3 - Wild Writing

Primary Text:	Teacher Materials	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

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. Vocabulary and "Story Grammar Marker", a tool to help learn the elements of a story, will be included, too. Do you have a reluctant reader? No worries. They will be motivated to participate in this fun class. Activities are alternated from year to year, so this class may be repeated.

Grades 4-6 - IEW Writing

Primary Text:	Institute for Excellence in Writing Student Writing Intensive (\$20.00 Class Fee for Notebook)	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This course will use the Institute for Excellence in Writing to introduce key word outlining, writing from an outline and dress-ups. Students will receive guidance in note taking, summarizing, story sequence, report writing and creative writing. Students' writing will be shared to reinforce learning. Teacher will conference with students to edit and revise. Use of the IEW Theme Based curriculum enables past students to repeat this class. Activities are alternated from year to year, so this class may be repeated.

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 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

Primary Text:	Fix IT Grammar and Teacher Materials	Course Rating:	3
Prerequisite:	Fix IT Grammar 1 w/ Mrs. Dormish	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 book lists. 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

Writing 2 will take skills learned in Writing 1 and both cement and expand them, including essays, multi-page research papers, and creative writing.

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:	5
Prerequisite:	Middle School Writing 9-11 Graders only. Middle schoolers must complete a writing assignment to demonstrate advanced ability in both grammar and composition.	Day	W,Th,F

Students will write essays, a research paper in MLA format, a research paper in APA format, and a literary analysis. 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.

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:	5
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.

Grade 12 - Senior English (GRADE 12 ONLY)*(This course counts as a 1.0 credit for Jeffco graduation requirements.)*

Primary Text:	Variety of Teacher Materials	Course Rating:	5
Prerequisite:	12 Graders only. College English 121 and 122	Day	

This is a class for seniors only. 12th graders from all three days are welcome to attend. The class will be structured as a combination of assigned work and a writer's workshop. Students will have some homework and also will be assisted in what they are already working on for Front Range classes and college essays/scholarships.

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.

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.

Literature Reading Schedule

	Year One 2020-2021	Year Two 2018-2019	Year Three 2019-2020	Alternates
Shakespeare	<i>Hamlet (drama)</i>	<i>Macbeth - (drama)</i>	<i>Midsummer Night's Dream (comedy)</i>	<i>Henry V (history)</i>
World Literature	<i>Night by Elie Wiesel (autobiography)</i>	<i>Book Thief by Markus Zusak (history)</i>	<i>Strange Case of Dr. Jekyll and Mr. Hyde by Robert Louis Stevenson (horror, science fiction)</i>	<i>A Tale of Two Cities by Charles Dickens (historical)</i> <i>The Adventures of Sherlock Holmes by Conan Doyle (detective fiction)</i>
Classic American Novel	<i>The Adventures of Huckleberry Finn by Mark Twain</i>	<i>To Kill a Mockingbird by Harper Lee</i>	<i>House on Mango Street by Sandra Cisneros</i>	<i>Great Gatsby by F. Scott Fitzgerald</i>
Misc.	<i>Alchemist by Paulo Coelho</i> <i>Scarlet Letter by Nathaniel Hawthorne</i>	<i>Separate Peace by John Knowles</i> <i>1984 by George Orwell</i>	<i>Peace Like A River by Leif Enger</i> <i>Fahrenheit 451 by Ray Bradbury (science fiction)</i>	<i>The Outsiders by S. E. Hinton</i> <i>The Night Circus by Erin Morgenstern</i> <i>Sarah's Key by Tatiana De Rosnay</i>

Grades 9-12 - Creative Writing (English Elective)

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.

Grades 9-12 – Business Communications (English Elective)

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.

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 4-6 - History Comes Alive

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

Primary Text:	Our Nation by MacMillian/McGraw-Hill	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. We will utilize weekly readings and assignments, projects, discussions, and basic research to uncover the many stories that make up our nation's past and make connections to the United States today.

Grade 4-6 - Elementary 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.

Grade 4-6 - 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 explore locations, landmarks, peoples and their cultures. Students will learn about the world and maps as they collect stamps on their passport. Bon Voyage! Activities are alternated from year to year, so this class may be repeated.

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 4-6 - 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 4-7 - AmeriTowne

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

The AmeriTowne class will be taught 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 4-7 - Young Entrepreneurs

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 6-12 - National History Day – Social Studies ELECTIVE

Primary Text:	Various Sources For more information visit: www.nhd.org Students will need a 3 ring binder with 5 dividers and access to the Internet.	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

Make history come alive! National History Day (NHD) lets you choose any topic in history to create a research project. You will learn how to conduct extensive primary and secondary source research using libraries, archives, museums, oral history interviews and more, then develop a thesis and relate your topic to the NHD annual theme. You can choose to work by yourself or in a group, and present your research by writing a paper, creating and acting in a performance, or creating an exhibit, a documentary, or a website. We will participate in the Colorado Charter School Regional Contest held in March each year. For more information visit: www.nhd.org Expect 2 hours of homework per week.

Grades 4-8 - Leadership - School Council

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

In this community building class, 4-6th graders will experience an array of real world interactions, such as meeting with senior citizens at the nearby assisted living facility, reading with kindergarteners, creating service projects, and more! This class is offered last period to facilitate service projects. Parents may be asked to provide transportation to off site facilities for service projects. EXTRA PARENT VOLUNTEER REQUIREMENT: CHAPERONE ONE LEADERSHIP EVENT.

Grades 5-8 - Adventures in World Geography

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 5-8 - International Towne (Social Studies Elective)

Primary Text:	International Towne Curriculum FEE: \$20/student Date: Not offered in 2019-2020	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Join us for International Towne! In this class, you will learn economic principles, and prepare for a life-like global marketplace simulation in which you will engage in hands-on, experiential learning about global economics, currency exchange, cultural awareness, and international communications. You will be part of a country and can apply to be the President, Customs Agent, Finance Minister, Currency Exchange Specialist, and more. Our International Towne Day is at Young Americans Center for Financial Education in Denver. Don't miss it next year!

Grades 7-8 - Middle School U.S. History

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 - High School U.S. History*(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 – Congress and the Constitution *(This course counts as a 0.5 credit for Jeffco graduation requirements.)*

Primary Text:	TBD	Course Rating:	5
Prerequisite:	Students should have completed a high school US 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 US 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 US 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 - Nature Crafts

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

This class will nurture an appreciation for nature, employing projects and journaling. Projects may include birdwatching, houses and feeders, nature crafts, gardening and more. Activities are alternated from year to year, so this class may be repeated.

Grade 2-4 – Natural Wonders of the World

Primary Text:	Teacher Materials	Course Rating:	1
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.

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

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

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

Gardening with big ideas! 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 finish the year by helping design a small garden plot for The Summit Academy.

Grades 5-8 - Mountain Lab School (Science)

Primary Text:	Class Fee: \$140.00 Tuition for 3 day/2 Night, Mountain Lab School: Camp Idrahaje, Bailey, CO Payments can be made throughout the year. Trip Dates: TBD	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, planning what to take with you, leaf collections, outdoor science activities, etc. 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 6-8 - 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 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 (Cal-Wood 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 Cal-Wood Payments can be made throughout the year. Trip Dates: Not offered in 2019-2020	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 planned to Cal-Wood Education Center located in the beautiful foothills near Jamestown, CO (15 miles northwest of Boulder). All students should plan on attending Cal-Wood in March as it is a big part of the laboratory component of the science class. Cal-Wood offers studies in 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 - 9th or 10th grade*(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).

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 very well-rounded introduction to Spanish. Students will practice basic nouns and verbs, speaking, and responding to simple questions and commands. Vocabulary will include colors, animals, numbers, body parts, family members, and various classroom objects. The teacher will provide books and materials for home use. The curriculum includes weekly worksheets for students to teach their parents Spanish learned in class.

Grades 4-6 - Elementary Spanish Level 1

Primary Text:	Risas y Sonrisas and workbooks Fee: \$15.00 for 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 vocabulary while they learn how to put the language together like puzzle pieces so they can speak conversationally. We work with songs, videos, games and activities to practice language orally. Students are expected to do workbook activities, memorization, listen to songs and keep a journal at home. Students will begin verb conjugation.

Grades 4-6 - Elementary Spanish Level 2

Primary Text:	Risas y Sonrisas and workbooks Fee: \$15 for workbooks	Course Rating:	3
Prerequisite:	Risas y Sonrisas 1	Day	W,Th,F

This 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

Primary Text:	Avancemos 1A	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This is a basic course that focuses on the spoken language and culture of some Spanish speaking countries in Latin America. The course is based on the use of basic grammar and practical vocabulary to be able to communicate in everyday situations and related topics like greetings, food, family, social activities, likes and dislikes, hobbies, weather, needs and school. Students will learn useful information about people, places, and things. Students will also learn basic vocabulary, oral expressions to greet in a formal or informal setting, to introduce themselves, to say good byes and other forms of basic conversations.

Continued...

Grades 9-12 - Spanish I

(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 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. Student 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 II (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 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 III (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.

Continued...

Grades 9-12 - Spanish IV (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: 7-12 – American Sign Language I

(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 II

(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:	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”

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

Students will learn to draw and paint using basic measuring skills, line-ups, shading, highlighting with pencil, charcoal, ink, acrylic, and watercolor.

Grades 5-6 - 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) - Desrochers

Primary Text:	None	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.

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

Primary Text:	Teacher Materials	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 - Hickman

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

Students will learn to draw and paint using unit measurements, graphing, shading, highlighting with pencil, charcoal, ink, acrylic and watercolor.

Grades 7-12 - Set Design - HS Art - Hickman

Primary Text:	None	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 2-4 – 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. Basic principles of physics and circuitry will also be explored.

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

(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 2 hour class

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 - Snap Circuits - Electronics

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

Snap Circuits make learning electronic 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 including alarms,

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.

Grades 4-6 - Robotics

Primary Text:	Lego™ NXT Mindstorm		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:	1
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, and PowerPoint. Class activities will also include making cards and projects. Students are expected to practice keyboarding at home.

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 5-8 – Computer Graphics and Video Editing

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

Students will create presentations through the use of multiple digital resources. Students will develop skills in graphic and photo editing, narrated slideshows, video screen capture, photo editing, word processing, and keyboarding, in addition to investigating emerging technologies. Various individual and group projects may include PowerPoint presentations, desktop publishing layout, green-screen photo editing, and creating presentations for various Summit events.

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:	3
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 creating a working application (computer software) using professional standards. Students will work together as a team just like in the working world and will have to periodically present where they are currently at with their project (parents will be notified of these dates and are invited to join in and see what the students have been up to). By the end of the class students should be able to: write and read code, troubleshoot and fix bugs in the code and be able to present their programs professionally.

Continued...

Grades 7-12 – Passion Project

Primary Text:	Teacher and Student Resources	Course Rating:	4
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 - Drones: The Ultimate PBL

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! Strict age requirement. Only serious students should request this class as it requires independence, initiative and motivation.



CAREER EXPLORATION (CE) CLASSES:

Grades 6-8: Middle School Career Pathways – In this course students will investigate one career cluster per semester. This year students will complete Medical Detectives and Green Architecture. 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



Medical Detectives: In this semester long course, students collaborate together as they engage in the role of real-life medical detectives. Studying the human body through hands-on projects and labs, they solve medical mysteries, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health. Possible careers in the medical field will also be explored.

Green Architecture: Today’s students have grown up in an age of “green” choices. In this course, students learn how to apply this concept to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units using Computer Aided Design software.

Grades 9-12: Introduction to General Aviation

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

Primary Text:	Guided Flight Discovery: Private Pilot, by Jeppesen	Course Rating:	3
Prerequisite:	None	Day	W,Th,F

This class is designed to introduce students to General Aviation. We will explore the fundamentals of flight, flight operations, aviation weather, performance and navigation, and integration of pilot knowledge and skills. Students will also get hands-on experience with aircraft parts, as we discuss maintenance and troubleshooting techniques. Above all, this course is intended to spark an interest and open students to the world of aviation.

Grades 7-12 – Passion Project

Primary Text:	Teacher and Student Resources	Course Rating:	4
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

(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 Book Fee: \$15	Course Rating:	
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 2-5 - Children’s Choir Performance Dates: Week of Dec. 3/May 5

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 year. Performances and extra rehearsals are required.

Grades 5-8 Middle School Choir Performance Dates: Week of Dec. 9/May 11

Primary Text:	Teacher Resources Parents are responsible for providing concert attire: black pants/skirt and shoes, shirt color TBD for each concert. Class Fee: \$15	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, two & three part singing, and performance procedures. 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. All music needs to be returned to the choir teacher after performances. This group will have small performances throughout the year with one major production at the end of the year. Performances and extra rehearsals are required.

Grades: 5-12 – American Sign Language 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:	www.startasl.com	Course Rating:	2
Prerequisite:	None	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. 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 9-12 - High School Choir - Performance Dates: Week of Dec. 9/May11

PrimaryText:	Teacher Resources Parents are responsible for providing concert attire: black pants & shoes, shirt color TBD for each concert. Class Fee: \$15	Course Rating:	2
Prerequisite:	None	Day	W,Th,F

Intermediate and advanced choral techniques are taught in this course, including fundamentals of vocal production, sight singing, three and four part singing, and performance procedures. 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 multiple times throughout the year with one major production at the end of the year. Performances and extra rehearsals are required.

Continued...

Grades 6-12 - Guitar Beginning, Intermediate

Primary Text:	Instruction Books Fee: \$15 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

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

Students will explore sound and rhythm in an exciting way with both pitched and non-pitched percussion instruments and objects. Following the ideas of "STOMP", students will discover how to combine different sounds to create a musical presentation. Rhythm will be taught through notation and by rote technique. Students will create a variety of music in both ensemble and solo playing on a variety of instruments. This group will perform at least twice during the year.

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.

Grades 4-7 - Drama**Performance Dates: March 11-13**

Primary Text:	Play Script Class Fee \$15 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. Parents will need to provide simple costumes as well as assist with performances. Parent sign-up will be sent out before performances outlining parent volunteer choices. Performances include a day of dress rehearsal and performances are required. **EXTRA PARENT VOLUNTEER REQUIREMENT: CHAPERONE AT PERFORMANCE OR REHEARSAL.**

Grades 8-12 - Musical Theater

Performance Dates: March 17-19

Primary Text:	Script TBD Class Fee: \$15 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. Students will audition, rehearse and perform while assisting in costuming and producing a large-scale musical theatre performance. Singing, dancing and acting will be incorporated into this class; however, lack of experience should not be a deterrent to participating. Instruction will be provided for required skills and there will be many roles available for students of all abilities and interests. This is a performance class; students are required to spend time in memorizing lines and rehearsing musical numbers. Performances include a day of dress rehearsal and performances are required.

Students will be required to attend classes, dress rehearsals and the performance dates.

EXTRA PARENT VOLUNTEER REQUIREMENT: CHAPERONE AT A PERFORMANCE OR REHEARSAL.

PHYSICAL EDUCATION (PE) CLASSES:

Grades 2-4 - Backyard Games/Physical Education

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:	2
Prerequisite:	None	Day	W,Th,F

Students will be involved in multiple sports and physical activities, covering basic rules and skill development. Each class involves a warm-up, strength and flexibility exercises. Homework consists of a workout log and includes monthly character trait from John Wooden’s “Pyramids of Success.”

Grades 2-3, 4-5, and 6-8 – Dance - Physical Education – Performance April 29

Primary Text:	None Class Fee: Cost of costume essentials for performances. Approximately \$20.00 (leotard/tights, etc.) Students need black leggings (girls) or black shorts (boys)	Course Rating:	1
Prerequisite:	None	Day	W,Th,F

Students will learn basic dance skills along with ballet, lyrical, jazz-modern, tumbling, etc. as needed for choreography. This is a performance-based class. Students are required to attend dress rehearsals and performances on April 29. (Ticket cost to friends and family is \$5 adults, \$3 12 and under, free to 2 and under sitting in parent’s lap.)

Grades 5-7 - 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." **COMPETITIVE: One period is designated as "Competitive."** Competitive PE will include all the activities of a regular PE class but at a faster pace and higher level of play. *More workout time outside of class will be required.

Grades 4-8, and 9-12 -Climbing - Physical Education

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

In this Physical Education class students will learn and apply 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.

Grades 7-12 - Lifestyle Health - Nutrition and Fitness (This course counts as a 1.0 P.E.credit for Jeffco graduation requirements.)

Primary Text:	Teacher Resources \$15 supply fee for kitchen. 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 will focus on topics relevant to maintaining good health and fitness. Students will learn principles of exercise, including strength, flexibility, and cardiovascular health. They will also get in the kitchen as they learn nutrition concepts and ways to plan for and prepare healthy snacks and meals. Homework may include logging exercise workouts and some reading. Class activities will be split between kitchen, gym and other activities. Students will have the opportunity to participate in optional P.E. field trips throughout the year. Supply fee payable at Orientation. Activities are alternated from year to year, so this class may be repeated.

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

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
Prerequisite:	Must have completed or be concurrently enrolled in Alg 2 or Math 121 at the college.	Day	W,Th

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.

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