

## LEAP Classes for 2020-2021 School Year

Grade	Teacher	Class Name	Class Description
K	Mrs. Braun	Kindergarten	Calling all kindergartners who make learning and having fun their full time job! Our cozy kindergarten provides an intimate learning environment that fosters a sense of community while placing an emphasis on personal educational goals. This kindergarten curriculum integrates art, music, physical education and whole language academics to create lesson plans that reinforce skills for emergent readers. Solid number sense and logical math concepts are reinforced through centers, manipulatives and real-life experience. No worries, we've carved out plenty of time for social development through organized play and a few exciting field trips. We count it our privilege to partner with home school parents in this noble endeavor of educating our next generation. See you this fall!
K - 12	Mr. Eastin	Physical Education	No pre-req's for each class- just need to meet the age/grade level of that class Physical Education classes will focus on age-appropriate games and sports. These activities are designed to teach and nurture sharing, conflict resolution, problem solving, trust, leadership, communication, listening skills, teamwork and cooperation. In addition to our continued commitment to warm-up games, stretching, push-ups, crunches, and jumping rope, some of the units we will cover include: Cooperative Games, Soccer, Flag Football, Speed Stacking (also known as cup stacking. See <a href="http://www.speedstacks.com">www.speedstacks.com</a> for more info), Basketball, Ultimate (cross between basketball without the net, soccer without the kicking and football), Volleyball, Hockey, Lacrosse, Badminton, and Physical Fitness Testing **Please note that not all of the sport units can be taught completely due to facilities and number of students. In those cases we will modify the games and/or teach sport specific skills independently to be able to be proficient in those sports.
K - 2	Mrs. Flansch	Listen, Sing, Play	This is a primary music class where students listen to good quality music, do lots of singing, and get to play rhythmic instruments. They will learn the basics of reading music and experience the joy of making music together! This year's class will have all new songs and activities.
1	Mrs. Ridgway	Galloping the Globe	Galloping the Globe is a delightful way to introduce young children to all aspects of geography. We will explore world cultures through biographies, literature and lots of hands on activities.
1	Mrs. Ridgway	Science Extravaganza	This science class will focus on biology. We will study animals, the human body, ecosystems, plants and weather through literature and experiments.
1	Mrs. Ridgway	Character & Crafts	This is an excellent curriculum that provides a foundation in building character traits. Lessons include memorization, activities, stories, and crafts to make each character concept clear, fun and memorable.
1	Mrs. Ridgway	Storybook Adventures	In each class we will read a classic or award winning book and then use our imaginations on a project related to the book. We will venture into art/crafts, reading, writing, history and geography. Who knows where the books lead!
1 - 2	Mrs. Unruh	Art: Back to Basics	Art students have been around the world on a whirlwind tour this year! Now it's time to slow down and get back to basics. This class will focus on developing skills and techniques to become better artists. It will include: Drawing-observational and figure drawing and media. Painting-techniques and theory using watercolor and tempera. Printmaking-collographs and stamps. Ceramics-clay construction.
2 - 3	Mrs. Flansch	Word Joy!	Let's have fun with English as we do all sorts of activities and read and write about things that are interesting to us in the world, like animals and space and the ocean. This class will help students grow to see language as a beautiful thing and be more skilled at using it. (class limit 10)
2 - 3	Mrs. Ridgway	General Science	Students will investigate broad science topics with age appropriate activities. We will focus on science as an inquiry based learning environment. We will cover elements of biology and physics. Some of the topics included will be forces, gravity, levers, flight, light, magnetism, space, habitats, animals and human body.
2 - 3	Mrs. Henton	Book Cooks	Students in this class will learn about the connection between reading and cooking. Each week we will read a grade-appropriate picture book and cook something that applies to it (for example we might read "Dragons Love Tacos" and make tacos to eat in class), and where time allows, a literacy activity as well. All items will be nut free. Parents will be expected to help supply weekly food needs 1st semester.
2 - 3	Mrs. Henton	Back to Basics	This cooking class is for children who want to build their level of comfort in the kitchen. We will focus on the basic principles of cooking in order to build a strong foundation. Tasks such as correct measuring technique, how to crack an egg, how to use a spatula, and how to recognize a recipe and its parts will be covered. Making "the basics" like scrambled eggs, and pancakes will also be included. Members of this class will participate in the preparation for the Annual Bake Sale in December. Parents will be expected to help supply weekly food needs 1st semester.
2 - 3	Mrs. Lessman	Road Trip U.S.A	Tour the U.S.A while enjoying books, games, and art projects. "See" the Northern Lights, "explore" the Appalachian Trail, and "visit" Central Park. We will solve puzzles and conduct science experiments as we learn more about the varied and interesting 50 states.
2 - 3	Mrs. Funk	Hora de Cuentos	Storytime hour in Spanish with fun activities.
2 - 3	Mrs. Funk	Where in the World is Carlos?	A geography class that will explore a spanish speaking country weekly.

2 - 3	Mrs. Ridgway	Journey Through the Middle Ages	This class will continue where Ancient History left off and will focus on the major historical events between the Fall of Rome to the Rise of the Renaissance. (400BC-1600AD) The focus will be on the people, the culture, and other important facts during that time period. Students will create maps, timelines, and complete engaging projects each week as they explore history the way it was meant to be learned.
2 - 5	Mrs. Stutzman	Ukulele	<b>Requirement: Provide a Ukulele and Method Book</b> This class will get you started with both chords and melody for a fun jam session with a variety of songs from folk, pop, rock and Hawaiian Island songs too! Students will learn melody 1st position notes through tab and traditional notation, and also strumming chords for accompaniment.
3 - 4	Mrs. Unruh	Art: Back to Basics 2	Art students have been around the world on a whirlwind tour this year! Now it's time to slow down and get back to basics. This class will focus on developing skills and techniques to become better artists. It will include: Drawing-observational and figure drawing and media. Painting-techniques and theory using watercolor, tempera and acrylic. Printmaking- styrocut, collograph and stamps. Ceramics-clay construction.
3 - 4	Mrs. Lessman	Invention Convention	Come explore in our LEAP tinker lab. We will be learning about the invention process and famous inventions and inventors. Then, you will spend time tinkering with different materials as you become an inventor and solve challenges related to a variety of problems.
3 - 5	Mrs. Flansch	Moving to Music 1	This music class will involve students in a variety of musical activities, including folk dancing. Folk dancing used to be a main social activity when people got together , because it is FUN and active! This class teaches rhythmic movement and folk dances/music from around the world. It requires team effort and is great body AND brain exercise! Along with folk dance, we will also enjoy music by listening, singing, and playing instruments. (minimum of 8 students)
3 - 5	Mrs. Lessman	Critical Thinking & Creativity Lab	Learn strategies for thinking critically. Complete puzzles and play games as we learn more about logical thinking. Utilize your creativity through art, writing, and design. We will apply both critical thinking and creativity to real life situations.
3 - 5	Mrs. Lessman	Survival Academy	Could you survive the sinking of the Titanic, sharks, a trip to Mars, or being out in the wilderness? Come participate in a variety of projects and find out. This class will focus on teamwork, problem solving, and hands-on experiences. We will conduct science experiments and other STEM (Science, Technology, Engineering, and Math) projects, too.
3-6	Mrs. Henton	Cookin' Across the Country	For the adventurous eater in 3rd-6th grades, this class will teach you how to make various recipes from different parts of the USA. Get to know your country a little better through food! Members of this class will participate in preparation for the annual Bake Sale in December. All items will be nut free. Instructor is willing to work with other food allergies as well, with parental support. Parents will be expected to help supply weekly food needs during 1st semester
4-12	Mrs. Stutzman	Musical Theatre Showcase	<b>Requirement: Provide simple costume and props as requested.</b> Have you always wanted to experience the thrill of Broadway?! Students will learn about musical theater through song, dance, and dialogue and rehearse towards performing an in-class mini musical during 2nd semester. A script will be chosen to best suit the class size and diversity.
4 - 5	Mrs. Lessman	Time Travel Adventure	What do the Great Pyramids, the Golden Gate Bridge, and the Grand Canyon all have in common? They are all considered to be wonders of the world. Let's build a time machine and travel to the ancient, modern and natural wonders of the world. We will explore them through books, games, and STEAM (Science, Technology, Engineering, and Math) projects, too.
4 - 5	Mrs. Lessman	Be a Detective!	Learn about and apply forensic science techniques including: fingerprinting, fiber matching, and interviewing suspects. Solve mysteries and follow the clues using stories, games, and hands-on simulations.
4 - 5	Mrs. Funk	Intro to Español	Students will learn basic grammar and vocabulary to strengthen any Spanish skills they're working on at home.
4 - 5	Mrs. Funk	Where in the World is Maria?	A geography class that will explore a Spanish speaking country weekly.
4-6	Mrs. Funk	Baile Hispano	Learn dances from Latin America and Spain. We will explore classic dances, such as the mambo and merengue, to more obscure dances like cumbia and bambuco.
4 - 6	Mrs. Flansch	Awesome Anatomy	Are you curious about so many things about your body? Have you ever asked questions like....Why do I need to breathe? Why do I yawn? Why do I sneeze? What are germs? How come I breathe without thinking about it? Why does my nose run? What is inside of me? Am I different from animals? What things are bad for me? This class will take us through our body systems and be like an owner's manual that will help us understand how our marvelous bodies work. We will have some guest experts on different parts of the body.
4 - 6	Mrs. Flansch	Ameritowne	We will be using the Young Ameritowne guide to bring activities and lessons into the classroom designed to teach about the free enterprise system. We will cover seven main concepts, including basic economics, banking, money management, government, communications, philanthropy and business preparation. This is a hands-on lesson in the free enterprise system. The year will culminate with an Ameritowne Field Trip to Young Americans Bank in Denver in the spring. Field trip includes working with a team to operate individual shops to make a profit. This class/field trip provides a real life simulation that is an incredible learning experience. (Curriculum, materials and field trip require a \$20.00 fee and parent transportation to Denver)
4 - 6	Mrs. Unruh	Google Up!	Get to know "Google" in this fun, interactive class. Since our school uses Google drive, this basic introductory course should help students become familiar with all it has to offer. Students will learn to use basic Google Apps like Classroom, Draw, Docs, Slides, Sheets, Photos and SketchUp (3D). They will also learn to use GIMP (like Photoshop) a free app that can be downloaded at home. This is a great preparatory class for Grafix Publications, without the yearbook deadlines. Let's make friends with Google! (Students with previous experience are welcome.) Requirements: 1. Basic reading and computer skills (open/close/save files) 2. Access to a computer at home to practice skills learned 3. Access to the internet and ability to download free software

4-6	Mrs. Henton	Cake Decorating Level 1	Would you like to make beautiful cakes and cupcakes? Then this is your class! This class is for beginning cake decorators who have baking experience. You will learn the basics of handling a pastry bag, making icing, piping beginner flowers and shapes, as well as simple borders, lines, and letters. Students must have their own tip set for use in class (see class supply list for specifics). Parents will also be expected to supply shortening, powdered sugar and cake mixes as well. Students in this class will show off their skills by participating in the preparation for the Annual Bake Sale in December, and cupcake sales throughout the school year.
5 - 6	Mrs. Unruh	Art: Back to Basics 3	Art students have been around the world on a whirlwind tour this year! Now it's time to slow down and get back to basics. This class will focus on developing skills and techniques to become better artists. It will include: Drawing-observational and figure drawing and media, proportion and perspective. Painting-techniques and theory using watercolor and acrylic. Printmaking-linocut, transfers, etc. Ceramics-clay building techniques and glazing.
6-7	Mr. Jeffrey	Globe Trekkers	Students will become world travelers this year, just like Rick Steves. They will plan trips to various places in the world with classmates. Trips will begin in South America, continue to Europe then move to Asia and Africa. Students will work in cooperative groups to plan the itinerary for each trip. Students will then create a powerpoint or google slide presentation to be presented in class to persuade other students to take the trip. In preparing the presentation, students will not only learn about world geography, but also the physical and human geography of the places where they travel. Students will also develop or hone their computer literacy skills as they create their presentations. From their cultural studies, students will learn games and teach them to the class
6-9	Mr. Jeffrey	Mysteries in World History	What happened to the Knights Templars and their treasure? Who was the Man in the Iron Mask? Did Marco Polo really travel to China? Did Shakespeare really write all of those great works? Did someone murder Mozart? What happened to the crew aboard <i>the Mary Celest</i> ? Could the sinking of the Lusitania have been prevented? Will we ever <b>really</b> know the truth to these mysteries? Probably not, and that is precisely what makes these mysteries so useful to us today. What do we gain by asking questions that cannot be answered with absolute certainty? Asking these types of questions demands that students speculate, debate, gather evidence, judge, evaluate and compare. Utilizing those skills in this course, students will use higher level thinking skills. This course is designed to get students to think critically. It is also an excellent supplement to their study of World History.
6 - 12	Mrs. Flansch	Moving to Music 2	Folk dancing used to be a main social activity when people got together because it is FUN! This class teaches rhythmic movement and folk dances from around the world. You will learn steps that apply to many different dances. It requires team effort and is great body AND brain exercise!! This advanced class learns more complicated dances. <b>PREREQUISITE: Success in Movin' to Music I or permission of the teacher (minimum of 8)</b>
6 - 12	Mrs. Stutzman	Ukulele	<b>Requirement: Provide a Ukulele and Method Book.</b> This class will get you started and advance your skills. Students can play with the ensemble on chords, or melody, and learn how to slide, bend, pull off or hammer on for some great soloing! Songs can be student driven on a variety of styles. This class can be repeated as different songs will be learned each year.
6 - 12	Mrs. Stutzman	Beg. Handbells	Students will experience the beauty of the handbells and chimes while learning techniques for ringing, reading music notation, and playing as an ensemble with others.
6 - 12	Mrs. Stutzman	Choir	Come sing with the choir! Choir will provide students with the opportunity to harmonize together on engaging music. Special attention is given to warm-ups that will help students engage in balanced singing techniques that will help shape their vocal range, tone, and resonates. Songs are different each year, so this class can be repeated during your years with LEAP!
6-12	Mrs. Stutzman	Guitar	<b>Requirement: Guitar and Method Book</b> This class will get you started with both chords and melody for fun jam sessions on a variety of songs from folk, pop, rock, jazz, blues, and classical. Students will learn to play from the music staff, tab and chord charts on both melody, chord, and lead parts.
6 - 12	Mrs. Burkley	Computer Coding 2	Students will learn the foreign language of computers by writing their own games and websites using JavaScript from Code.org "Computer Science Discoveries" 2019/2020 students focused on designing and building an app. 2020/2021 students will continue in the problem solving design process and move on to web development, interactive animations and games.
6 - 12	Mrs. Burkley	Little People Science	Discover that there is a vast field for working with children. In this course, those paths are explored while developing the skills to create a safe environment and applying the eight fundamental values for the needs of children from prenatal stages to age eight. We will solve problems you can encounter in emergency situations. Children are the future, let's learn to care for them!
6 - 12	Mrs. Burkley	Solving Problems with TED Talks	(student driven technology engineering and design class) TED talks provide a broad range of topics that fuel curiosity about current topics. Students decide what they would like to explore and how they would like to express their learning. About five to six topics will be covered over the year.
6 - 12	Mrs. Ragazzo	What's Your Genre?	Diving in to read the various genres of the literary world is exciting, relaxing, and spurs on your creative ideas. This is what our reading class will look like this year. Come to class with a list of what YOU want to read. Choose to read your favorite genre all year, or read a variety of genres. We will read and share our ideas and thoughts about our favorite books with our classmates. We will also explore our creative sides to express what we learned from our books.
6 - 12	Mrs. Ragazzo	American Classic Literature	Mark Twain, Jack London, John Steinbeck, Louisa May Alcott, Harper Lee, C.S. Lewis.....These are just a few of the inspiring American Classic authors. In this class, you will look into what makes American Classic Literature so authentic. You will learn about these authors and attempt to see life through their literary eyes. You will read some of the greatest writings of our time and have the opportunity to debate with your peers which is better.....Huckleberry Finn or The Lion, The Witch, and the Wardrobe!
6 - 12	Mrs. Ragazzo	Study & Organizational Skills	This <b>foundations</b> class is designed to help students develop effective organizational skills to utilize within their academic and personal schedules and use technology to stay better organized. It will teach effective ways to study for quizzes and tests, take notes in class, prioritize, understand personal learning style, use critical thinking and stay motivated. Students will also learn the most effective strategies to various test taking skills....to include preparing for college preparatory testing. If you are looking for a skills class to help jump start you into a well prepared academic future, or you know you need to work on "fixing" your skill level now, this is the class for you!

6 - 12	Mrs. Ragazzo	Film Through Literature	Talk a walk through the world of film and explore it with the eye of a literary expert. In this class we will shape our literary knowledge.....with a little bit of fun in the mix. We will explore how stories go from the page to the screen and maintain their literary effects of theme, characterization, setting, plot, etc. All movies will be G-PG13 ratings, and will first be approved by parents and guardians. So come and join us for some movie critiquing fun.
6 - 12	Mrs. Ragazzo	Writing Skills	<b>(this is a foundations class)</b> Having good writing skills is the most disregarded component to the foundation of learning, and yet so vitally important to becoming a well rounded educated adult. Today we have the misconception that computers will "think" for us. I wouldn't count on that! Writing equals building. Students will start their writing skills off by building their foundations, and then take them to the next level. Writing skills is a class where they will learn how to write in a technical way. We will start off by learning how to achieve a well written paragraph, and we will build from there. They will learn how to write essays, research papers, professional letters, etc. Their writing skills will become stronger and more effective.
6 - 12	Mrs. Ragazzo	Art of Persuasion	Speech and debate are two types of oratory that we use every day as we communicate within society. In this class, you will learn the art of these two oratories, and how to effectively use them to persuade others to your claim. You will learn about ethos, pathos, and logos, and how these psychological appeals can be a driving force within your persuasion. To end the year, you will combine all that you have learned to prepare and present a passion project on what you are most passionate about.
6 - 12	Mrs. Funk	Intro to Español	Students will learn basic grammar and vocabulary to strengthen any Spanish skills they're working on at home.
6-12	Mrs. Burkley	STEM Competitions	Students will have an opportunity to choose from a list of various national STEM competitions. We will research each project assigned, create timelines for completion, build a prototype and enter contests. Example competitions: The Army Education Outreach Program, Google Science Fair, STEM Video Game Challenge, Technology Student Association, Science Bee, CleanTech, Verizon App Challenge, Stockholm Junior Water Prize.
6-12	Mrs. Burkley	Science Health of the Human Body	Skills introduced include beginning anatomy and physiology, medical terminology, communication, customer services. Wellness is more than just eating well and working out! In this course, students will discover and develop strategies that will build lifelong , healthy individuals. Come explore all areas of wellness and how making small changes can make a big difference. Learn the basics of nutrition and learn why what you eat matters. Students will work on projects to solve common ailments in society.
7 - 12	Mrs. Henton	Cake Decorating Level 1	Would you like to make beautiful cakes and cupcakes? Then this is your class! This class is for beginning cake decorators who have baking experience. You will learn the basics of handling a pastry bag, making icing, piping beginner flowers and shapes, as well as simple borders, lines, and letters. Students must have their own tip set for use in class (see class supply list for specifics). Parents will be expected to supply shortening, powdered sugar, and cake mixes as well. Students in this class will show off their skills by participating in the preparation for the Annual Bake Sale in December, and cupcake sales throughout the school year.
7-12	Mrs. Henton	How to Be a Rockstar Cook	Get ready to knock everyone's socks off! Students in this class will master many of the skills needed to be as masterful in the kitchen as possible. We will explore proper knife skills, omelette flipping, sauce & gravy making, how to cook meat perfectly, dessert making, and more! Students will participate in the preparation for the Annual Bake Sale in December. Parents will be expected to help supply grocery needs during 1st semester.
7 - 12	Mr. Jeffrey	Historical Creative Writing	Do you like to write stories? Do you like history? This is the perfect course for students who enjoy doing both. In this course, students will study a specific event in United States history and then create a short story centering around a fictional character involved in the event. In writing their stories, students will learn and use the six major elements of fiction-character, plot, point of view, setting, style, and theme. They will create a storyboard and then use the storyboard to write short stories. This course is an excellent supplement to their study of United States History.
7 - 12	Mr. Jeffrey	Famous Documents in U.S History	In this course, students will investigate the origins of, and the significance of, the most famous documents in United States history. They will study the events leading up to the publication of the document and it's influence on the course of US history. Students will study the Declaration of Independence, the US Constitution, the Bill of Rights, The Articles of Nullification, the Seneca Falls Declaration, the Emancipation Proclamation, Lincoln's Gettysburg Address, Wilson's Fourteen Points, speeches by Roosevelt, and finally, Martin Luther King Jr.'s 'I Have A Dream' speech.
7 - 12	Mr. Jeffrey	Mock Trial	Students who take this year-long course will learn about the United States judicial system through hands on experience in preparing for and participating in, mock trial cases. The course will help them to develop their research and communication skills as they prepare for these trials. As they will find out, mock trial combines the BEST of debate, speech, and drama. Whether they have taken mock trial before, or have not, this is always a new experience since each new year new cases are used.
7 - 12	Mrs. Unruh	Art: Back To Basics 4	Art students have been around the world on a whirlwind tour this year! Now it's time to slow down and get back to basics. This class will focus on developing skills and techniques to become better artists. It will include: Drawing-observational and figure drawing and media, proportion and perspective. Painting-techniques and theory using watercolor and acrylic. Printmaking-linocut, transfers, etc. and Ceramics-clay building techniques and glazing.

7 - 12	Mrs. Unruh	Grafix Publications	<p>Grafix Publications is set up like an actual business with students as the employees. They will receive monthly "pay" based on their work ethic and production. Students will learn basic digital photography skills and good composition. They will learn basic computer graphic skills and editing in GIMP (a free program similiar to Photoshop), Google Suite and SketchUp (a free 3-D program). Throughout the year, the learned skills, along with organizational tools will be used to create our annual yearbook using Google Draw for page layouts. As TSD students, students 13 years and older should be able to Office 365 for free. They will also have access to Google Drive and associated programs and learn how to use them. An ongoing goal of Grafix Publications is to give every student access to free technology. <b>REQUIREMENTS: 1. Basic computer skills (open/close/save files) 2. Access to a computer at home. 3. Access to the internet and the ability to download free software. 4. A basic digital camera and 2GB flash drive. 5. Take at least 10 pictures per month to use for the yearbook. 1 hour per week minimum homework. This class will require more homework time during 2nd semester as more time is spent on the yearbook. Students MUST be able to work independantly and practice skills at home to succeed in this class.</b></p>
8 - 12	Mr. Jeffrey	Virtual Politics	<p>"It's an election year!" Through this hands-on exploration into the political process, students will enter the world of political campaigns and getting out the vote. During the first part of the course they will be involved in a simulation of the 2020 election. The class will break up into political parties and will be given candidates to research and to write campaign speeches for. During the second part of the course, they will analyze the results of the actual election. They will then look at the role of political parties and their historical roots. Students will finish the year-long course looking at the political behavior of voters. Through this course, it is hoped that students will develop a greater sense of the importance of political participation as part of being a responsible citizen, and also discover ways they can participate in the political process.</p>
9 - 12	Mrs. Burkley	Chemistry	<p>Students will explore an in-depth, comprehensive approach to Chemistry using small scale and traditional labs and classroom discussion to learn about elements, atoms, bonding and formulas, reactions, solutions, acids and bases, and may cover more advanced topics such as atomic theory, periodicity, gases, solution chemistry, thermochemistry, chemical bonding, molecular geometry, and intermolecular forces as well as applied calculations.</p>