

*Please review the Fall 2023 Class Schedule for age ranges of individual classes.*

### **A-Z SOCCER** (Manuel & Celestine) (8+) *Physical Education*

A-Z Soccer Academy classes are a Montessori-style of play similar to street soccer where kids learn through experience, problem solving, and active fun. Creativity and self expression are key parts of our classes. Our goal is to keep the kids moving while continuously building their soccer skills and confidence on the field.

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### **ADVANCED MATH** (Joe) (12+), *Math*

#### BY RECOMMENDATION ONLY

This class provides additional class time and one-on-one support for students in Pre-algebra, Algebra, and Geometry. Our upper-level math classes at the Realm only meet twice a week, so having an extra hour or two for clarity, practice, extra explanation, and homework help can make the difference between “really getting it” and just “kinda getting it.” These math classes are heavy with concept and abstract thinking, which can be challenging for students. This class gives students an extra opportunity to get support from their teachers and peers.

Students who take this class will find solutions!

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### **ADVENTURES IN TECHNOLOGY: ARTS & TECH** (Digital Dragon) (5-7) *Technology, Art*

Technology and the arts combine in this session! Students receive early exposure to the digital canvas--exploring storytelling, sound design, interactive media, and art--in order to learn to express themselves with today's emerging technological tools. Coding will be essential in this class for students to bring their creations to life!

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### **ALGEBRA** (Semester 1 of 2) (Joe) (11+) *Math*

#### BY RECOMMENDATION ONLY

This is a complete Algebra course. The curriculum will follow the Khan Academy course as outlined here: <https://www.khanacademy.org/math/algebra>. For many students, Algebra is their first exposure to abstract concepts involved with linear and quadratic functions - which can be both exciting and challenging. This fairly demanding class requires students to arrive ready to focus and willing to give it their all. Weekly homework assignments will be completed online via the Khan Academy website. To supplement this course, I encourage students to sign up for at least one hour of Advanced Math (homework help and concept clarification) each week.

Students who have taken this class will know how to solve problems!

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### **ALL ABOUT ASIA - GEOGRAPHY, CULTURE, ART** (Kimber) (7+) *Geography*

Through exciting presentations, awesome art, and engaging activities, students will be introduced to the rich culture, history, people and diversity of the many fascinating countries of the Asian continent – Adventurers in this fun culture, art, and geography class will take an amazing journey across each country and discover the unique beauty and special characteristics. We will first visit the larger and more commonly known countries, like Japan, China, and India. And then... while traveling across this vast and diverse continent, we will concentrate on exploring many of the other different countries. Daily life, unique art, fascinating traditions and celebrations, ancient temples, and hidden cities. There's so much to discover! On our adventure, we'll sample different countries through all the senses, including taste with cool cooking projects and through various other amazing art and map-geography activities. From the harsh terrain of the Gobi Desert to the diversely rich jungles of Borneo... from Mount Everest, the highest point, to the Dead Sea, the lowest, and all the places in between... students will also explore the habitats, geography, and

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creatures. Highlighting centuries-old traditions to interesting modern-day trends, country culture, and art projects will include dumpling day, Wau and Koinobori kites, Gond and Madhubani birds, truck art, country cats, mirror embroidery, shadow puppets, Minakari, mosaics, Kawaii cute and Anime art... and a thunder of dragons!

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**ANCIENT CIVILIZATIONS** (Kimber) (10+) *Social Studies-World Cultures, Ancient History, Art, Geography*

Adventurers in this fun class will take a time-traveling journey back to the land where human history was first recorded, and then on through lands both near and far, and from many thousands of years ago! Students, through cool presentations, hands-on experiences and creative projects, will discover the golden ages of history – From Mesopotamia to Ancient Egypt, from Nubia and Greece, through mighty Rome and the Maya and many kingdoms and time periods in between. Students will become history detectives as they explore many of the world's important first civilizations, where humans began to farm, formed communities, and created language, art, architecture, scientific achievements, religions and forms of government. Using the powerful research acronym G.R.A.P.E.S. (geography, religion, achievements, politics, economics, and social structures), students will build a comprehensive understanding of each civilization, to compare and appreciate. It's mind-boggling to think that the advancements made in the ancient world continue to influence our societies today; All the way back to the very cradle of civilization to the modern day, what we have become is a result of all civilizations that came before. I can't wait to dig into the past, and wonder...how will we influence the future?

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**THE ART OF DENDROLOGY AND THE STUDY OF TREES** (Kimber) (7+) *Dendrology, Botany, Environment, Art*

Build knowledge about the natural world AND celebrate trees through art. Join us in this exciting, outside-the box science and art class as we use dendrology, the study of trees and woody plants, as an incredible learning tool, inspiration and jumping off point to create some really cool art. Art plays a significant role in the development of science and how information and discoveries are shared. Although seemingly at the opposite sides of the spectrum, science and art meet at scientific illustration and visual presentation. While exploring the world of trees and learning to identify most common tree species by leaf, flower, fruit and bark characteristics, students will document their discoveries using a variety of art forms, including scientific illustration; Not only will students gain a deeper understanding of these plants and their role in various ecosystems, they will be building new muscles of visual presentation. From layered prints, stylized drawings and vintage-ish botanical posters to paintings and clay sculptures, students will grow a forest of lovely creations, all the while developing skills- and an appreciation for the trees. I can't wait to take a creative walk through wooded wonderlands and revel in this trove of biodiversity!

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**ART OF DIVERSITY** (Kimber) (8+) *Art, Art History, Current Events, Diversity-Race, Gender and Equality Issues*

In this unique, timely and powerful class, students will explore a variety of amazing art from inspiring artists who highlight diversity and inclusion. What is it like to be able to see through the eyes of an artist and get insight into their unique point of view? To find out, students will explore beautiful and impactful pieces that are intentionally created to open our minds, eyes- and hearts, and allow us to visualize, learn about, and understand the breadth of differences in all types of people, from all walks of life- and from all cultures. Students will discover cutting edge contemporary and diverse artists who are using their creativity as a powerful means for empowering difference, dismantling oppression, and building more sustainable futures. How cool is it that art has a way of breaking down barriers and blurring lines by showing us new perspectives! In addition to experiencing different realities, we will also explore art that is created as direct activism, to express and educate people with a specific message about diversity

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of all forms- color, race, gender, and belief systems. Through various mediums, including spray paint, acrylics, charcoal and oil pastels, other cool art projects will be inspired by the style or technique of phenomenal and fresh artists. Bisa Butler, Nelson Makamo, Naomi Vonda, Victoria Villasana, Kehinde Wiley, Alex Janvier, Lina Iris Viktor... So many amazing artists! Students will then create their own expressive pieces that highlight and support issues like Black Lives Matter protest movement, LGBTQ+ rights, and many other current inequity concerns; Students will delve into new ways to think- and use their incredible fresh imaginations to find ways to highlight and embrace differences, inform, visually present information and ideas, create beautiful art- and help protect and defend everyone's rights. I'm super excited about the creative and caring adventures ahead!

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**ARTS OUT LA: HISTORY AND APPRECIATION** (Liz & Trista) (11+)

Get ready to learn about art and art history by exploring LA's museums! What better way to learn than to get out of the classroom and see real world applications of concepts and theories? This comprehensive off campus class is a deep dive into art through history, writing, sociology and anthropology. Critical awareness through analysis and critical thinking, allows students to learn about humanity on a greater scale, with a better ability to connect and contribute in society. Students are expected to adhere to proper museum etiquette and represent The Realm in a respectful manner. Students will participate in reflective writing, hands on art workshops, lectures, and research. But most importantly, students are encouraged to actively participate and contribute to discussions and HAVE FUN!

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**AUTHENTIC PROBLEM SOLVERS - BOARD GAMES AND TEAMWORK** (Kenner) (5-7)

Based on a renowned curriculum that gives students the tools to solve problems in their everyday life and community, this class tackled just that and puts our youth in the driver's seat of their future. The class will break into groups of themed passion projects on topics like environmental advocates, or community cleanup. We will use research to prepare presentations that each group will lead in discussion and creating change.

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**THE BEGUILING ARCHIVES: HISTORY'S MOMENTS AND CHANGE MAKERS** (Liz) (8+) *History, Research, Writing*

When we think of our history as humans we tend to think of the big and often destructive time periods. But in this class we will focus on the times we as humans really flourished. And I mean literally because in this class we will examine the growth we have made as humans when we learned to farm. From our humble beginnings 10,000 years ago cultivating rice and squash to our modern hydroponics farms growing plants in the Arctic we will look at it all. As a class we will look at the great expanse of this time in our history and later in the semester students will choose a farming technique or plant to focus on. This class will require outside research as well as writing.

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**BODY ADORNMENTS: MASKS, JEWELRY & BODY ART FROM AROUND THE WORLD** (Kimber) (9+)

*Art, Fashion, Geography, Social Studies-World Cultures*

While globe-tripping through different countries and cultures, students in this unique, fun class will explore many beautiful and vastly different kinds of masks, jewelry and body decorations. Through exciting projects, interesting presentations and visual examples, students will discover that these wonderful body adornments and expressions of creativity are as different as the people themselves. Students will explore how masks and body art are used for a variety of purposes including expressing self identity and culture beliefs, as well as for storytelling, celebration, disguise, protection, decoration and even for spiritual reasons. Some masks are considered to be alive and possess great power. Some tattoos and jewelry, like those worn by Celtic Warriors going into battle, were used as a

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psychological form of armor and intimidation. Taking inspiration from interesting environments and colorful cultures, students will then build and decorate different kinds of masks, jewelry, and other vibrant body art, using a variety of creative methods and techniques including painting, plastering, sculpting, molding, glass fusing and beading. Are you ready to set off on a cool adventure where decorative, functional and wearable art meets geography and cultural exploration?

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### **BOOK EXPLORERS: EVERY SOUL A STAR** (Liz) (10+) *Literature, Writing*

Told from three different perspectives, *Every Soul A Star* follows the story of three unlikely friends over a summer where a total eclipse of the sun becomes the backdrop for some big life changes. Following Ally, Ryan, and Bree as they explore the universe, learn about friendships, and face challenges. In this class we will be reading in class and outside of class as well as complete a reading booklet. In addition to reading comprehension we will study the science of the stars and eclipses.

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### **BRAINY BOTANISTS** (Linda) (7-10) *Science, Art*

There are over 300,000 species of plants- from single celled phytoplankton to the giant redwood tree. They produce oxygen, food, and are the basis of most of Earth's ecosystems. Botany is the study of the amazing variety of plant life, their structures, and how they function to adapt and survive in every niche of the planet. Students will construct models, conduct experiments, and illustrate in scientific detail the mysterious lives of plants.

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### **BRIGHT KNIGHTS** (Arise Shine) (5-12)

Welcome to Omnia - the nearly infinite playspace where light and shadow collide. Be your own character, take on the trials and complete the training. Partake in the live-action, hero's journey adventure that is Bright Knights. Bright Knights is an immersive, creative-play class focused on fun, leadership, wisdom, and teamwork directed by Quasar (the teacher).

Bright Knights stand for "what's good and right" and appeal to the timeless Flow for energy, understanding, answers, and solutions. The class follows an engaging adventure storyline as we train, strategize, meditate, solve puzzles, find clues and defend those in need!

Bright Knights Shine. Forever!

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### **CARDBOARD CREATIONS** (Linda) (7+) *Art*

By using cardboard to create, we repurpose materials that would otherwise go to waste. Its accessibility means that we can create works of art and all sorts of contraptions, games, costumes, and whatever our imagination can come up with with materials that are readily available and free. So many things we purchase arrive or are packaged in this versatile material. Using this as our medium is not only environmentally conscious but also challenges us to think outside the box. Students will practice measurement and learn construction techniques that they will use to express themselves through the humble medium of cardboard.

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### **CHALLENGE EXCEEDERS** (Kenner) (5-7)

Wacky challenges and materials that make you wonder. This creative engineering class will make the students brainstorm like never before, as they collaborate to solve the unsolvable. Each week will bring forth a new challenge,

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new materials, and new research on how to solve for the emergent obstacles of science and friendship.

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**CHESS** (Joe) (11+) *Chess, Strategy*

Chess is a fascinating game with a long and prestigious history. It has been played by great mathematicians, scientists, artists and creative and intelligent people of all types (as well as by just ordinary people like you and me) for hundreds of years. Many people would say that there is not a more enjoyable, challenging or educational game than chess. Maybe the most surprising thing about chess though, is that kids love it! This class is fun for the more seasoned player that already knows the basics and is ready to learn about advanced strategies, move sequences, endgames and feints.

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**CHILDREN'S BOOK WRITING CLASS** (Charisse) (7-9) *Writing*

Children will study early literacy skills, reading and writing patterns through poetry and children's books while practicing their writing skills in writing their own poetry. This class is for early readers and writers who are looking to improve their reading and writing skills. Working on things like sound blends, reading fluency, spelling and grammar. This class is great for children who are reading but still sounding out each phonetic sound and are looking to be able to read with more fluency. At the end of the class, each child will improve on their reading fluency and finish the class with their own completed children's book, as they will work each week to write their own "poem"/rhyming story as they are learning to recognize these different literacy patterns.

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**CHOOSE YOUR OWN ADVENTURE WRITING** (Jessie) (8-10) *Writing*

Could it be that easy, you just choose your own adventure? It is if you are fearless and remember it's a process! The blank page is a playground for our feelings and imaginations, a place to explore our inner and outer worlds. With a focus on choose your own adventure books, students don't even need to choose just one way for the book to end! Reluctant writers will be inspired by playful exercises that loosen us up to discover the joy of creative writing. We will delve into all parts of the writing process from gathering and developing ideas, to drafting, revising and editing. One-on-one conferences with peer editors and the Editor in Chief will help us fine-tune our skills. We will also dip our toes into the magic of Google Forms as we share our published masterpieces! Are you ready to choose your own adventure?

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**CLASSIC PARK GAMES** (Kenner & Charisse) (5-7)

Travel back before iPads and video games to a time where the sunset and flicker of street lights signaled time to head home. A time where park games were the gatherings of your neighborhood friends building competitive competence and creating social networks that transcended the borders of school. Games inspired by resources available and depended on the imagination of the ones you rolled with.

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**COMMUNICATION & EMOTIONS: DEVELOPING EMOTIONAL INTELLIGENCE** (Hayden) (10+)

In this class we will explore emotions and how we talk about them. We will explore why talking about them in the moment is hard, and why talking about them afterward can be even harder. We will develop some basic skills that can prevent emotions from totally taking over, and we will practice ways of interacting with others that are more understanding of how emotions play out and how we can best respond to them.

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Students will need to understand and learn emotions and how to talk about them so that, in the long run, they can understand their own emotions more, learn to regulate better, and to communicate more effectively to create stronger relationships.

The more language we have around emotion, the more we can feel, articulate, and help people to understand us. This has the potential to better regulate our students and help themselves understand themselves better too.

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### **CUT! ONE ACT PLAYS** (Josh) (11+) *Performing Arts*

For anyone out there who enjoys performing or is even curious about it! One act's are shortened versions of plays, usually on the comedic side, that allow us to bring imaginary circumstances to life. If you like to make people laugh and act out characters then this class is for you. Don't miss out on the fun!

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### **DAVID SEDARIS, VIRGINIA WOOLF & GEORGE ORWELL'S EXPOSITORY WRITER'S WORKSHOP** (Jessie) (11+) *Writing*

In this workshop, students will learn the basic (and advanced) formula for a 5 paragraph Nonfiction essay and practice and practice until it becomes rote. They will be asked to continually persevere through writer's block and dig deep in the elaboration (commentary) portions of their paragraphs. The main goals are to establish cohesion and expand their elements of writing vocabulary, while developing their writing style and voice. By reading portions of essays by some of our writing heroes, students will be inspired to take their written expression to a whole new level.

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### **DEEP DIVERS MATH** (Joe) (10+) *Math*

#### BY RECOMMENDATION ONLY

Deep Divers is an upper elementary through early middle school (grades 5, 6, 7) standards-based math class. It focuses on building a thorough understanding of - and competency in working with - multiplication, division, fractions, ratios, percentages, and decimals. The class will include both group and individual activities and exercises. Students will be presented with core concepts and each student will be given opportunities to practice and excel at their own pace. Homework will be optional - provided through the Google Classroom, but completed at the discretion of each family. Deep Divers Math is offered multiple times each week and can be taken any number of those times.

Students who have taken this class will know that math can be fun!

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### **DRAWING & SKETCHING** (Trista) (7-9) *Art*

Let's dive into drawing and sketching! We will cover different drawing subjects and techniques each week, using different tools such as types of pencils, paper, and erasers. The class will cover lighting, shadows, perspective, values, and more. Some of the subjects will be eyes, mouths, faces, figures, clothing, still life, buildings, or animals. Each lesson will give specific techniques along with a different subject. Kids will learn that art is an expression of individuality, a way to express our feelings and communicate with those around us. We will celebrate ourselves, and become brave artists who celebrate their art and have an outlet for stress relief, anxiety and creative expression.

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### **DUNGEONS AND DRAGONS** (Josh) (10+) *Creative Arts*

Embark on an epic adventure to save the princess!.. or find treasures of untold value... or maybe just become the ruler of the world. Dungeons & Dragons is a team-oriented role-playing game where students get to explore their

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individuality and creativity. We will take on alternative personas and work together to overcome challenges with a combination of strategy, teamwork, and imagination. On top of all that, we will get to work on our acting & writing skills while having a whole bunch of fun.

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**THE ELEMENTS GAME** (Joe) (10+) *Science*

This class explores the periodic table, its history, its groupings, periods, and blocks, atomic structure, and the characteristics of individual chemical elements. We do this through a board game that involves matching the chemical elements with their symbols, atomic numbers and position on the periodic table, and then answering questions about each element's history, characteristics, and practical uses. It's a lot of fun! Students are encouraged to do follow-up research on topics that specifically interest them. This game can be played in the classroom, or online, so students can practice at home.

Students who have taken this class will understand what atoms, elements and compounds are, what the periodic table is, and be familiar with most - if not all - 118 currently identified chemical elements. Plus, they'll know the answer to a recent Who Wants to be a Millionaire? million dollar question.

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**EMT ON THE SCENE** (Trista) (8+) *Science, Anatomy, Physiology, Medicine*

Let's explore the rapid pace of emergency medicine! Get ready for another applied science class where we see biology, physiology and chemistry in practical life situations. We will have dissections, labs and real life scenarios from the front line of medicine...while racing against the clock! We will learn basic EMT skills including: Assessing a patient, emergency medical care, staunching wounds, and the physiology and anatomy that applies to these procedures. This class will not only cover science, but the soft skills, like empathy, communication, critical thinking, emotional control and self-awareness, that are required in health care.

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**ENGINEERS AND ARCHITECTS: STEM CHALLENGES** (Linda) (8+) *Science*

This is a project-based class, where sometimes kids will be given a timed, open-ended challenge with a limited set of materials. They will have to design, experiment, and solve the problem. Other times they are given longer challenges that also incorporate art. Students will explore the types of forces at work with each type of structure, which shapes are the most stable and the strongest, and the properties of different types of materials to choose from. We will use the design/engineering process to create innovative solutions to the challenges, and learn from mistakes in order to improve upon our ideas.

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**EPIC ADVENTURES IN ART** (Linda) (8+) *Art*

This is an exploration of different materials and experimental techniques. Students will play with clay, printing, weaving, sewing, mixed media collage, painting and more. The focus will be to enjoy the process of creating and tapping into their imagination. Each semester there are new open ended projects and mediums to discover.

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**EXCURSIONS** (Semester 1 of 2) (Jessie & Hayden) (12+)**MUST APPLY FOR ENTRY**

Excursions is a year-long class designed to challenge students' current worldview as they research, collaborate, plan, and fund a travel adventure. We'll begin by choosing a destination and saturating ourselves in its history, culture, geography, and beauty. Once we've gotten a bit of a feel for the place, we'll plan our itinerary. We'll ask ourselves

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questions like: how will we get there? Where will we stay? Where will we visit? What should we see? and how can we fund our learning? As a team, we'll work on fundraising strategies and each student will take on the responsibility for funding their own share of the cost. This class will require an adventurous spirit, an inquiring mind, and a tenacious desire to persevere.

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**EXPANSIVE WRITING: *YOUR KIDDING ME I HAVE TO REED AND RIGHT? BACK TO BASICS*** (Trista) (8-11) *Writing, Literature, Critical Thinking*

**Middle & Emerging ELA**

This class will cover basic ELA needs. In a nutshell, the class will be divided into mini units, each designed around inclusivity, social awareness, major works of diverse literature, creativity and most importantly fun... Get ready for games and a lot of movement and play! Units will include: COMMUNITY, THE OTHER, HUMAN RIGHTS.

With examples, support, and practice, students will have the opportunity to deepen their critical skills as they work with fun, poignant, and engaging content... all the while participating in focused conversations and completing core standards. Writing leads to better communication within our society, effectively creating stronger relationships, and understanding each other better.

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**EXTREME ART EXPLORATION** (Kimber) (8+) *Art, Art History*

Beyond traditional drawing and painting this promises to be an absolutely awesome opportunity, where art, imagination and energy collide in a delightfully messy fashion! Students in this fun, experimental class will be introduced to a plethora of art mediums, experiment with creative tools and techniques, and experience freedom in play and the creative process. Lots of large movements and high energy! Who were the cutting edge artists "back then?" And who is pushing the envelope now? And how? Imagine throwing a paint-soaked tennis ball or rolling marbles across a canvas. What about creating a ton of textures using out-of-the-ordinary items? Through painting, graffiti, ripped and mixed media, fluid pour art and photograph manipulation, students will explore outside-the-box expression- and dabble, drip, splash, splatter and spray their own masterpieces!

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**FILM PRODUCTION: ROCK N DOCS** (Trista) (8+)

This semester we will be looking at two new types of filmmaking. We will be creating our own music videos and documentaries! Turn up the volume on your favorite songs: We will explore the five different types of music videos, and make our own. Then we will shift gears and dive into the six different modes of documentary filmmaking, finding the story within us we want to share with the world. By telling our stories on film, we can strengthen our skills as storytellers and communicators, as well as our organizational and writing skills. As auteurs we learn to use different methods of persuasion (ethos, pathos, and logos) to enlighten, educate and most of all entertain. Lights. Camera. Actions!

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**FUTUROLOGY - A.I. ETHICS AND DEBATE** (Josh) (10+) *Science, Technology, Social Studies*

In this class, students will explore a variety of fascinating futuristic technology from both a practical and hypothetical standpoint. We will examine in-depth subjects such as Artificial Intelligence and its many applications: self-driving cars, GPT, artificial consciousness, blockchain technology & its many applications such as cryptocurrency, NFT's, and Metaverses. This topic is rapidly becoming more important in our day to day lives for better or worse, so lets understand it the best we can!



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**THE GAME OF LIFE** (Shirley) (10+)

Description of this class is on its way! Please check back soon.

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**GAMES GALORE!** (Shirley) (5-9)

Welcome to the world of games Galore! In this class, we will explore various types of games that will challenge your skills, strategic thinking, and creativity. From board games to interactive games, we'll delve into the exciting world of gaming. Throughout the semester, you'll have opportunities to play different games with your classmates in a fun and friendly environment. Get ready for an adventure that will take your gaming skills to the next level!

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**GEOMETRY** (Semester 1 of 2) (Joe) (12+) *Math***BY RECOMMENDATION ONLY**

Geometry continues sequentially on the heels of Algebra 1. So any student who successfully completed Algebra last year will want to follow up with Geometry. The curriculum will follow the Khan Academy course as outlined here: <https://www.khanacademy.org/math/geometry>. The Khan course is challenging but somewhat brief, so it should allow us some extra time to further explore geometric proofs and constructions on our own during the second half of the spring semester. There will be weekly homework assignments to be completed online via the Khan Academy website. Additional materials will be available via the Google Classroom. I encourage students to sign up for at least one hour of Advanced Math (homework help and concept clarification) each week, as a supplement to this course.

Students who take this class will be able to prove things.

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**GO BIG AT THE SCIENCE FAIR** (Linda) (11+) *Science*

Through tons of hands-on experimentation, students will practice the steps of the scientific method all in preparation for creating their own science fair project. We will discover what makes a good hypothesis, what are the types of variables, how to collect and analyze data, and how to create a display that grabs people's attention. Students will be able to proudly display these at our festival of science at the end of the semester.

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**HEALTHY BITES: NUTRITION AND OUR BODIES** (Scarlett) (5-7) *Nutrition*

Get ready to become a healthy superhero! In this class, we'll learn all about the yummy foods that help our bodies grow strong and healthy, and the ones we should eat in moderation. That's not all, put on your chef hat and let's get to cooking! You'll also be learning about making delicious and healthy snacks that will make your taste buds dance. Are you ready to become a kitchen master and impress your friends and family with your culinary skills?

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**HIGH FLYERS MATH** (Joe) (8-10) *Math***BY RECOMMENDATION ONLY**

High Flyers Math is a middle elementary (grades 3 and 4) standards-based math class. It focuses on building understanding and competency with multiplication and division and an introduction to fractions, percentages, and decimals. The class will include both group and individual activities and exercises. Students will be presented with core concepts and each student will be given opportunities to practice and excel at their own pace. Supplemental at-home practice materials will be provided through the Google Classroom. These will be optional - completed at the discretion of each family. High Flyers Math is offered multiple times each week and can be taken any number of

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those times.

Students who have taken this class will believe that math can be fun!

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#### **HIKER'S CLUB** (Kenner & Shirley) (5-7)

In our hikers club this fall we will be taking our classroom outdoors! This won't be your run of the mill hike into nature, it will be a time to inspire our creativity and curiosity about nature. Our students will come out of this class recognizing plants as easily as they can recognize a Starbucks symbol, and I think we all can appreciate that. We will focus on slowing down our journey, and focus on the mindfulness and respect that comes naturally while exploring the Los Angeles forests.

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#### **HIKER'S CLUB ADVENTURERS & EXPLORERS** (Nathan & Celestine) (8+) *Physical Education, Practical Life Skills, History* **OUTDOOR LEARNING DAY ONLY**

In this class we will explore some of southern California's most beautiful landscapes!. We will experience our rich natural surroundings both in and out of the city. We will hike, climb, swim, investigate, explore, and challenge ourselves to learn about the history, geological diversity, and abundant flora and fauna right around our community!

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#### **HUMAN BODY - BLOOD AND BONES** (Linda) (8+) *Science*

Humans are vertebrates and our internal skeleton consists of 206 bones that form the framework of our bodies and gives us shape. Bone is made of living tissue that protects our organs, plays a critical role in movement, and in the marrow creates the stem cells that become the components of our blood. Students will create models and learn the anatomy of bones and blood down to the cellular level. We will look at joints and the connective tissues and how the skeletal system works together.

We will also discover the components of blood and how it functions to carry oxygen, nutrients, waste and even participates in communication within the body through hormones.

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#### **IMPROV & COMEDY** (Hayden) (11+)

This class will explore the world of coming up with things to say on the spot. Often, we will use the lens of improvisational comedy to give us a chance to laugh at ourselves and help ourselves become more fluid communicators that know how to be comfortable with the uncomfortability of not knowing what to say next.

Students will need to learn and understand how to improvise so that, in the long run, they can feel more comfortable in new situations and feel more at ease talking in a variety of situations.

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#### **INTERMEDIATE CODING, ROBOTICS & ENGINEERING WITH LEGO SPIKE PRIME** (Digital Dragon) (10+) *Technology*

In this class, students will explore the evolving world of robotics, learning how to build, program, and perfect their very own robots. Using LEGO SPIKE robotics kits, they will learn how to make robots come to life —integrating motors for moving parts, and sensors to take input from the physical world—to complete a variety of tasks and challenges. Builds the foundation and ability to work towards participating in the FIRST LEGO League (FLL) game challenges. Please note, while this description is the same as our Continued Adventures class, the content will not be the same, this section will move faster, and work on more complex programming, and engineering concepts.

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**JOE-PARDY: THE GAME ABOUT THE FACTS OF LIFE** (Joe) (10+) *Science*

Science Jeopardy will be just like the TV game show but all science all the time! We'll find questions to answers covering topics from anatomy to zoology! Students will learn about Botany, Biology, Oceanography, Taxonomy, Anatomy, Chemistry, Famous Scientists, Physics, Astronomy, and much more! We'll have loads of fun and learn a lot!

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**KARATE AT BEYOND KARATE DOJO** (Sensei Mallica) (5+) *Physical Education*

Discipline, attentiveness, and fun are our goals! Your child will practice exercises that will develop physical strength, agility, and mental capacity – through running, jumping, and playing. Karate promotes healthy physical and mental activities for your child, and is fun because they are learning through play and discipline.

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**KID'S PERSPECTIVE PODCAST** (Charisse) (8+)

Have you ever had a rough day and your child just gave you the simplest and most profound advice? It happens all of the time when we make space to listen to our children. KPP is a space where we are giving children opportunity and space to realize that their voice matters, and we are giving adults an opportunity and space to listen to our children, and maybe even come out with some phenomenal life advice. This class will cover social skills, public speaking skills, critical thinking skills, and life skills as we discuss various topics and find solutions through building skills to address life's challenges. It sounds deep, but the beauty in how children simplify things is something we can all learn from.

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**LA VANGUARDS** (Kenner & Shirley) (8-11)

This group is dedicated to uncovering the greatest hidden gems of Los Angeles. From food to museums, to parks and much more. Exploration comes in many forms, and this class is modern city exploration at its finest! This class naturally lends itself to learning the history of Los Angeles, but also supports and opens our eyes to new movements and a hope for what the future will hold.

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**LEGO ROBOTICS AND MORE!** (Digital Dragon) (6-9) *Robotics, Technology, Engineering*

This session will offer continuity for students who participated in last year's programming class. Students will explore the evolving world of robotics, learning how to build, program, and perfect their very own robots. Using LEGO SPIKE robotics kits, they will **learn how to make robots come to life**—integrating motors for moving parts, and sensors to take input from the physical world—to complete a variety of tasks and challenges. Builds the foundation and ability to work towards participating in the FIRST LEGO League (FLL) game challenges. Please note, while this description is the same as our Intermediate class, the content will not be the same, the intermediate section will move faster, and work on more complex programming, and engineering concepts.

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**LITTÉRATEURS: UPPING YOUR WRITER'S EFFICACY** (Trista) (11+) *ELA, Writing, Literature, Critical Thinking*  
**Accelerated ELA**

This class will explore the world of High School ELA. In a nutshell, the class will be divided into mini units of writing, reading comprehension, analysis and grammar, each designed around inclusivity, social awareness, major works of diverse literature, creativity and most importantly fun. Units will include: THE OTHER, MONSTERS, COMING OF AGE.

With examples, support, and practice, students will have the opportunity to deepen their critical skills as they work with fun, poignant, and engaging content... all the while participating in focused conversations and completing core

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standards. Writing leads to better communication within our society, effectively creating stronger relationships, and understanding each other better.

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#### **LITTLE PEOPLE, BIG IDEAS** (Charisse) (7-8)

Description of this class is on its way! Please check back soon.

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#### **MAPQUEST** (Linda) (8+) *Science, Art*

Smart phones and google maps have made life infinitely easier for those of us without an inner compass. The ability to map the world around us, read a topographical map on an off-trail hike, and read a road map when there isn't any service for the GPS are still important and relevant skills. We will look at and create our own versions of maps made by early explorers of the planet when the world was flat and sea monsters were to be avoided with extreme caution. Using ratios, scale, and proportions we will create a map of the Realm. We will explore the complications in representing a spherical planet on a two-dimensional global map and translate topo maps into three dimensional landscapes. We will use roadmaps to plan a road trip (and fold them back up again) and explore how scientists map those hard to reach areas such as the deep sea floor and the surface of distant planets.

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#### **MARINE BIOLOGY: BONELESS WONDERS OF THE SEA** (Linda) (5-9) *Science*

This class is an exploration of the weird and wonderful world of marine invertebrates. These creatures represent 92% of life in the ocean and can be found in every zone of the ocean including hydrothermal vents and the nearly freezing waters of the poles. Students will learn the major marine invertebrate phyla and identify the characteristics that allow them to thrive in harsh environments and play key roles in these ecosystems.

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#### **THE MARTIAN** (Liz) (12+) *Literature, Writing*

It's one thing to miss your flight from Los Angeles to New York but what happens when you miss your return flight from Mars? In the critically acclaimed book *The Martian* this is the dilemma faced by one crew member of the Ares 3 space mission. Our class will read the book *The Martian* considering it not just as a piece of literature but looking into the science behind the mission. This class will involve outside reading of the book as well as additional nonfiction materials relating to manned space missions. The class will culminate in a creative writing project.

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#### **MASTER OF THE TABLE** (Josh) (10+) *Strategy & Critical Analysis*

Strategy is at the heart of every decision we make, so why not be a tactician!?! This class will engage students in a variety of strategic card & board games, allowing them to hone their ability to critically analyze all different kinds of situations and make tactful decisions. Students will learn lessons from Sun Tzu's "The Art of War," which will serve as a backdrop for all of our strategic decisions. From reading our opponents in Poker to dominating the world in Risk, there is an abundance of skills to explore.

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#### **MATH MAVERICKS** (Semester 1 of 2) (Shirley or Joe) (7-9) *Math*

##### **BY RECOMMENDATION ONLY**

Math Mavericks is an early elementary (grades 1 and 2) standards-based math class. It focuses on building understanding and competency with addition, subtraction, place-value, doubling, tripling, and other essential foundational math skills and concepts. The class includes both group and individual activities and exercises. Students

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will be presented with core concepts and each student will be given opportunities to practice and excel at their own pace. Supplemental at-home practice materials will be provided through the Google Classroom. These will be optional - completed at the discretion of each family. Math Mavericks is offered multiple times each week and can be taken any number of those times.

Students who have taken this class will believe that math can be fun!

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**MELODY IN MY PAINTBRUSH AND MASTER MUSICIANS** (Kimber) (5-7) *Art, Music, Self Discovery-Expression*

Dance a paint brush across a canvas! Given a variety of fun art tools and mediums, the freedom to express themselves- and using music from famous composers and amazing musicians to inspire and move them, students in this unique class will create magical pieces of art! With an emphasis on listening and feeling while creating, students will explore the lives and talents of some of the greatest classical composers, as well as listen to a variety of other tempos and musical genres. Music can also be very powerful in art meditation and creative contemplation. From classical music and jazz- to samba and techno, from Celtic chill to African tribal beats, students will let the music move them to create different forms of self expression, art and paintings! Whether it's Gershwin and gouache painting, or Chopin and chalk, students will discover music's emotional affect as they create their own masterpieces based on their responses and feelings. Get ready to express your inner self while painting to the beat!

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**MENTAL MATH 2** (Joe) (8+) *Math, Problem Solving***BY RECOMMENDATION ONLY**

Beginning to Intermediate Multiplication - plus division and advanced Addition and Subtraction.

This class focuses on developing students' analytic and sequential thinking through mental computation and memorization. We'll focus primarily on arithmetical operations - building on skills developed in Mental Math 1. Students will learn methods, tactics, and techniques for two-digit by two-digit multiplication, and also learn about squaring, factoring, division, and working with fractions. Students will practice holding numbers in their heads while doing two, three and four-step problems. Students will learn to parse problems and look for patterns to help them derive algorithmic methods and strategies for solution. Each class period will start with a warm up exercise presenting a new concept, application or technique and then we'll practice our skills through gameplay.

Students who have taken this class will be able to think better!

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**MENTAL MATH 3** (Joe) (10+) *Math***BY RECOMMENDATION ONLY**

This class focuses on developing students' analytic and sequential thinking through mental computation and memorization. We'll focus primarily on arithmetical operations. Students will continue practice with the double digit multiplication methods they learned in Mental Math 2. They will learn new methods, tactics, and techniques for performing other mental calculations involving multiplication, squaring, factoring, division, and fractions. We'll practice strategizing to find the simplest method for a given circumstance. Students will parse problems and look for patterns to help them derive new and better algorithmic methods and strategies for solutions. Each class period will start with a warm up exercise presenting a new concept, application or technique and then we'll practice our skills through gameplay.

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Students who have taken this class will be able to think better!

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### **MENTAL MATH 4** (Joe) (10+) *Math*

#### BY RECOMMENDATION ONLY

This one's for the super-stars. Students who have been developing their mental math skills for a significant amount of time will further develop their abilities in advanced multiplication, division, and working with fractions and percentages. Students will develop shortcuts and tricks of their own, and we'll see how far we can go. This class will move into the unknown as we develop our abilities beyond the conventional methods!

This class uses a collection of custom designed numbered game cards to help make learning fun. These cards are now available for online play and at-home practice. Check them out here:

<https://www.realmacademy.com/joe/numbercards/index.html>

Students who have taken this class will be able to think better!

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### **MINDFULNESS & MEDITATION** (Arise Shine) (5-9) *Mindfulness, Social/Emotional*

Hi Friends! Welcome to Life 101 - the class where we get a head start on the basics and the big stuff. Each class includes a topic and accompanying lesson as we explore together subjects including Friendship, Mother Nature, Health, and Happiness. This class is focused on building EQ - Emotional Intelligence.

Each class we will have a Share Circle and short Meditation and practice speaking and listening from the heart in the fashion of Council.

The goals of this class are to 1) gain life skills for our well-being toolkit & 2) to learn together and integrate understanding of ourselves, others, and the world for the big journey that is Life.

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### **MINI-EXCURSIONS** (Nathan & Shirley) (10-12) *Life Skills, Geography, History*

Mini-Excursions is the perfect class to stretch everybody's comfort zones! This year we are off to Washington D.C. That's right, we will be flying across the country to investigate the inner working of our federal government. We will visit the White House, the Supreme Court, different memorials and monuments, and even walk the halls of Congress. In order for this trip to represent ideas and concepts that we are familiar with we are going to take the Fall semester to learn all about our system of government. From historical investigations to current events we will dive into what our government is, how it works, and what we can do to build a brighter future! This is an epic, once in a lifetime experience that students will own because they will work to pay for their own adventure! Students will look for opportunities to fundraise based on a total price that is a result of their own research and planning. Our trip will be in April of 2024 during REALM Spring Break!

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### **MUSIC MESSENGERS** (Celestine) (8-11) *Music, Culture*

Come join us for a music class with a little emphasis on black culture and history. In this class we'll learn about hip hop music and practice songwriting, engineering, recording and performance. We'll spend a quarter of each session

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exploring some major historical events that charted the course for African Americans in our country. Then, we'll spend the next 3/4 of class using one of the most influential medias of communication (hip hop) to express our learning.

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**MYTHS OF THE EARTH AND FIRE** (Liz) (8+) *Literature, History*

This semester get grounded and fired up about these mythological stories from around the world. For thousands of years humans have looked to fire as both a destructive but essential part of existence. And of course the earth was revered for its ability to bring for life. So how did early myths explain volcanoes? What happened to the earth that sometimes allows plants to grow and other times lets them die? Do all cultures think of Mother Earth or is there a Father Earth? In this class we will explore the ways these myths have been passed down and look at the cultures that birthed them and thus examine what this says about us as humans. This class will involve some writing, especially for the upper ages.

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**NATIVE SO CAL EXPLORASaurus** (Nathan) (8+) *Science***OUTDOOR LEARNING DAY ONLY**

Let's explore the southern California landscape with a scientific eye! This outdoor learners class will have a unique opportunity to use our hiking destinations as our classroom! We will investigate the plants, animals, geology, geography, history, and landscapes with hands-on science experiments, sketchbooks, sample collecting, and the ability to be completely surrounded by the nature we are studying!

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**NIFTY NEWTONIANS: PHYSICAL SCIENCE** (Linda) (10+) *Science*

In this introduction to physics we will explore matter, motion, and forces through hands-on experimentation with matchbox cars, catapults, and roller coasters, With a unit on aerodynamics and hydrodynamics students will experiment with model drones, planes, rockets, boats and submarines. . Students will also learn the basics of a well-designed experiment, how to measure and record data, and how to analyze the data with math and basic vectors. Interacting with materials in the real world demonstrates the relevance of science and math in our everyday life.

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**NON-FICTION WRITING AND HOW TO BOOKS** (Jessie) (7-9) *Writing*

Books hold meaning!! We uncover a book's hidden message, lesson, or meaning like a treasure by digging deep. We can ask ourselves, "What did that book make me think about?" "What did I learn?" "What was the author's message or perspective?" We will ask ourselves the same questions as we read Non-fiction texts. This class will focus on the art of reading, understanding, and connecting to various forms of nonfiction writing. Topics will be as varied as the news, ensuring learners engage with a wide range of subjects, gain confidence in discussing age-appropriate issues, and express their opinions based on unbiased, factual evidence. Articles on science, history, geography, sport, current affairs, and even entertainment will lead to our discovery! Jump on in and read all about it!

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**NOVEL TEA: THE LAST CUENTISTA** (Liz) (12+) *Literature, Mythology*

Set in a future where humanity must find a new home in the universe, The Last Cuentista tells the story of a young girl who's gift to humanity will be stories. Switching between the present day of the book and the past students will see how the stories we learn as children help to inform who we are in the future. Combining science fiction and

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folklore we will look at the science of creating a new earth in space as well as the mythology and folklore we take with us to remember our humanity. Students will read outside of class the book as well as read additional materials including scientific articles and world mythology. There will also be a writing component to the class.

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### **OLD FASHIONED PARK GAMES** (Nathan & Kenner) (5+) *Physical Education*

These kids work hard all day in their classes and sometimes just need some time to run, play games, and practice tasks that help support a variety of skills like teamwork, sportsmanship, and communication in an outdoor setting! Let's give these kids time to stretch their legs and build endurance by playing some incredibly fun games and competitions!

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### **OUTDOOR APPLIED MATH** (Celestine) (8+) *Math*

#### OUTDOOR LEARNING DAY ONLY

Description of this class is on its way! Please check back soon.

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### **PAGE TURNERS: THE CITY OF EMBER** (Liz) (9-11) *Literature*

When disasters both natural and man made ravage the surface of the Earth the only place to turn is underground. For 200 years the citizens of Ember have lived underground without any knowledge that there is a whole world above them. In this class we read the exciting tale of a pair of young citizens who search for new ways to survive. Combining in class discussions, reading done at home, and an exploration of the science behind underground living, students will create journals as they track their journey through this book. Students will be required to read outside of class and there will be a writing component to the class as well.

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### **PAINTING: ACRYLIC AND WATERCOLORS** (Trista) (8+) *Art*

It's time to get our paintbrushes out again! This class will revolve around lessons in acrylic and watercolor painting. Students will study various techniques, learn more about color, and work with different mediums in and out of the classroom. We will work on various projects for each class, aiming to finish many small pieces. The bigger goals are to free ourselves from perfectionism, and instead become brave artists who celebrate their art and have an outlet for stress relief, anxiety and creative expression. Also, students will understand that creativity and art are unique, an expression of individuality, and a way to communicate with those around us.

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### **PASSION PROJECTS: THE PURSUIT, PLAN, EXECUTION, AND FULFILLMENT IN EXPLORING OUR PASSIONS IN LIFE** (Hayden) (10+)

In this class we will explore the ins and outs of actually approaching and developing passion. Through following an interest, planning out the actions, and managing your productivity throughout, we will learn a lifelong habit of creating and designing projects for fun and for what feels purposeful to us.

Students will need to understand and learn how to identify and build on passions so that, in the long run, they will be able to work on fulfilling projects on their own and make their passions their work.

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### **PIRANHA TANK** (Josh) (11+) *Finance, Public Speaking, Mathematics*

Sure sure, Shark Tank is great, but at The REALM you have the opportunity to join the Piranha Tank! Students will



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alternate between being piranhas, (potential investors) inventors creating products, and those that pitch the products, trying to convince a piranha to invest! Students will learn about material costs, business evaluations, markups, loans, practice public speaking and "selling" skills, as well as create a variety of awesome products & businesses! Guest piranhas will periodically be welcome within the tank to offer their expertise in a variety of fields. So what are you waiting for?! Get in the piranha tank and see if you can come out alive.

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**PRE-ALGEBRA** (Semester 1 of 2) (Joe) (10+) *Math***BY RECOMMENDATION ONLY**

This is a very thorough Pre-algebra course. The curriculum will follow the Khan Academy course as outlined here: <https://www.khanacademy.org/math/pre-algebra>. For most students, Pre-algebra is their first exposure to abstract concepts involved with linear equations and functions - which can be both exciting and challenging. There will be weekly homework assignments to be completed online via the Khan Academy website. It will be important for students to keep up on these assignments. I encourage students to sign up for at least one hour of Deep Divers each week, as a supplement to this course. Students who are seeking homework help can sign up for Advanced Math.

Students who have taken this class will have a better understanding of how math works!

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**PUBLIC SPEAKING: FINDING YOUR INNER VOICE** (Hayden) (9+) *Public Speaking*

In this class we will confront what scares most people more than most things: public speaking. We will examine why this can seem so scary and push ourselves past the barriers of our own fears and into the place where we can share our coolest thoughts and about things that light us up. Not only will students develop their own confidence, but they will usually learn new things from each other along the way.

Students will need to understand and learn how to present themselves authentically so that, in the long run, they will be able to communicate themselves the way they want to in relationships, at school, at work, and in public.

Presenting yourself authentically comes from knowing who you are, and caring enough about something to break through the internal barriers to show it with others. If you are excited by it, others will too.

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**READING REBELS: FRANK EINSTEIN AND THE ANTIMATTER MOTOR** (Liz) (7-10) *Literature, Writing*

Most kids have imagined building a robot to help them with their chores but Frank Einstein actually did it! In this funny book from Jon Scieszka, our main character Frank, a young inventor, finds science in the most unusual places. In this class we will read together and create our own scientific journals to track the science in the book and the science around us. Students will finish out the semester by creating and writing about their own inventions.

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**REALM ACTIVIST** (Scarlett) (5-9)

Let's make our community sparkle and shine! In this class, we'll learn about the importance of taking care of our environment and keeping it clean and healthy. We'll also learn how to work together to make a positive impact in our community. Get ready to put on your gloves and make a difference in the world!

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**REALM STYLE CHORUS** (Shirley) (5+) *Performing Arts, Chorus*

Get your pitch-perfect voices ready because today we're introducing our Belt it out chorus! First, let's warm up

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those vocal cords with some silly exercises. We'll pretend we're at the zoo and sing like animals or even practice whispering a song and gradually getting louder until we're belting it out. We will be singing some amazing Disney songs and hit songs while having a blast doing it. So, get ready to make some noise and let's have some fun while we learn to sing as a group.

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### **A REALMALICIOUS SCIENCE FAIR** (Nathan) (6-10) *Science*

The REALM Science Fair will be the event of the year! Students will dive into the scientific world by conducting experiments, choosing one or more that they want to make their own, and then putting their knowledge on display at the Science Fair in December. When we say the world is their oyster, in this class we actually mean it! Their project can be anything from creating the world in space to making a pearl out of an oyster! Roll your sleeves up, put your goggles on and let's get scientific!

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### **RESEARCH WRITING SIMPLIFIED: MAKING ARGUMENTS, PROVIDING EVIDENCE, AND PROVOKING THOUGHT**

(Hayden) (11+) *Writing, Research*

In this class we will demystify the process of "research" and how to write technically. We examine best research strategies, but more importantly how to leverage the research to better support arguments and weave together points of facts to tell one larger story.

Students will need to understand and learn how to research effectively and utilize research to better inform arguments so that, in the long run, they can be a more discerning audience for research and so they can make more valid arguments and claims.

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### **ROAD TO REVOLUTION: AMERICAN REVOLUTIONARY TIME AND THE FOUNDING OF A NEW NATION** (Kimber)

(8-12) *American History, Americana Arts and Crafts*

Through fun hands-on projects, interesting research and cool Americana crafts, students will explore the exciting times and dive into the heart and history of the American Revolutionary period from 1763 to 1789. Why was this such an important time? What was society, day-to-day life, and culture like back then? What happened then that forever changed the way we live today? Imagine that early in this period, as tensions mounted across the Thirteen Colonies, you were faced with a difficult choice: to pledge loyalty to the Patriot cause and the prospect of a new nation, or remain loyal to the King as subjects of the British Empire. Students will travel back in time and examine a series of important events that made this decision easy. As they delve into the causes, students will discover that the resulting strategies and battles of the Revolution became the catalyst for American independence- and much of life we know today. How were the lives of ordinary people affected by the events of the American Revolutionary War? Who were the movers and shakers? From everyday people to The Sons and Daughters of Liberty, from the Patriot soldiers, midnight riders and spies- to the founding fathers. Students will also play reenactment games and dive into letters and diaries to explore the diverse viewpoints and experiences of those who witnessed- or directly participated in the dawn of a new nation. What an exciting time to be alive!

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### **SCULPTURAL ASSEMBLAGE: MOSAICS AND MULTI-LAYERED ART** (Kimber) (7+) *Art, Art History,*

*Environment-Recycled, Upcycled Art*

Students in this exciting, edgy class will explore the wonderful world of mosaics, multi-media collage and 3-D

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assemblage sculpture and create super cool, unique art pieces. Students will be inspired by original masters- and cutting edge artists who are reimagining and reinventing incredible forms of layered art. After a ceremonial plate smashing, students will experiment with mosaic design and placement as they design colorful glowing glass and vibrant tile projects in a fun new way. Students will also create expressive sculptural and layering artwork using different surfaces and layers of loveliness, including glass gems, ceramics, metals, shells, beads, baubles and other curated materials. Collage and Gelliplate printing will round out the fun multi-layered art experience. As we experiment and play with a variety of piecework techniques, we will build projects like bejeweled sun catchers, assemblage portraits, body part art, masks, mosaic planters and a community mosaic wall piece. Pure joyful art in process!

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#### **SHAKE IT OUT! MINI-DANCE & KARAOKE PARTY** (Scarlett) (5-10)

Get ready to dance and sing your heart out! In this class, we'll learn fun dance moves to our favorite songs, and sing our favorite tunes with karaoke. We'll also get to use fun props and costumes to make our performances extra special. Get ready to show off your moves and become a superstar!

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#### **SUPERHEROES WHO LIVE OUT LOVE** (Scarlett) (6-9)

Unleash your inner superhero and join us on a mission to save the day! In this class, we'll learn about the brave heroes in our community who make a difference everyday, and the amazing superheroes in comic books who inspire us to be our best selves. We'll also get creative and design our own superhero costumes and powers. Get ready to fly high and be a hero!

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#### **SUSTAINABLE LIVING** (Kenner) (7-11)

Welcome to our sustainable living class! In this class we will start out with the founders of sustainable living and bushcraft by studying Native American history: from shelters, to hunter/gatherers and primitive tools. After our first 4 weeks there, we will move into medicines, and forest dwellings inspired by the infamous foxtrot series (more info below). After 4 weeks of log cabins we venture into technology influenced sustainability, like solar panels and gravity water feeds, bunkers and more! The students will come out with skills and know how to recognize plants, live in harmony with nature, and have a foundation of confidence in their own ability to provide.

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#### **TEMPLES, TOMBS, AND TREASURES** (Kimber) (7+) *Archaeology, Social Studies-World Cultures, History, Art*

Through fascinating visual presentations, and dynamic stories and projects, students will discover incredible ancient temples and tombs from across the globe and learn about their fascinating histories. Throughout the ages, humans built temples dedicated to their deities. Of the structures that still remain today, many of the most spectacular are the ancient places where different cultures worshiped a plethora of Gods and buried their dead. Built in dark caves, into cliff faces, deep underground, in remote jungles, on high mountain tops or in deserts, these temples are beautiful architectural feats of wonder, causing us to ponder; How were these built, and why? How are so many pyramids from different civilizations and countries so similar? What else is buried there? How did different civilizations honor their dead? What belief systems from millennia ago were practiced? What are the stories of temple curses and tomb booby traps? How did the statues, decorations, jewelry and other treasures found in tombs express the different cultures' beliefs? From Neolithic Stone Age tombs to Egypt's pyramids, students will be inspired by the meanings and artistic expressions of these treasures, and through a variety of projects and art materials,

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create their own beauties.

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**TO INFINITY AND BEYOND! THE SOLAR SYSTEM** (Nathan) (5-9) *Science*

Get ready to explore the Solar System! Did you know Saturn has 145 known moons?? Each week we will tackle a new planet, sharing and displaying important info, as we become Earth based astronauts and star system navigators! We will be creating planets, moons, asteroids, and stars for a giant Realm sized display! The last frontier is calling, lift off is in September of 2023!

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**TREE OF LIFE: TAXONOMY AND CLASSIFICATION** (Linda) (9+) *Science, Art*

Taxonomy uses classification as a way to help us understand and organize the diversity of life on our planet. Taxonomists detect, describe, and classify species using morphological, behavioral, genetic, and biochemical observations. By exploring the phylogenetic tree of life we see when speciation occurred and what traits enabled species to occupy new niches. Taxonomists have named roughly 1.78 million species of animals, plants, and microbes throughout the last 250 years of research, but the exact number of species is unknown and likely between 5 and 30 million. Students will explore the history of taxonomy going back to Aristotle, taxonomic hierarchy, the processes of evolution through natural selection, and the naming of new species.

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**WORDSMITH'S: POLISHED WRITING PRACTICES** (Trista) (9-12) *ELA, Writing, Literature, Critical Thinking***Intermediate ELA**

This class will explore the world of Middle School ELA. In a nutshell, the class will be divided into mini units, each designed around inclusivity, social awareness, major works of diverse literature, creativity and most importantly fun. Units will include: IDENTITY, MONSTERS, CONNECTION

With examples, support, and practice, students will have the opportunity to deepen their critical skills as they work with fun, poignant, and engaging content... all the while participating in focused conversations and completing core standards. Writing leads to better communication within our society, effectively creating stronger relationships, and understanding each other better.

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**THE WORLD AROUND ME - GEOGRAPHY** (Nathan) (8-11) *Geography*

Welcome to Realm Geography! This semester we are going to become experts at US Geography! Students will explore cities, states, time zones, famous landmarks, rivers, mountains, canyons, volcanoes, caves, and sooo much more! Students will be working on our giant map project that will be unveiled at the end of the semester and is sure to blow your mind!

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**WOVEN WORDS: READING WITH UNDERSTANDING & EXPRESSION** (Jessie & Kenner) (7-9) *Literacy*

In this class, we will use diverse, fun and fresh excerpts from a variety of elevated sources that are read aloud, annotated and discussed in class, and thus developing and honing the student's ability to support substantial claims on author's purpose, theme, literary devices and word choice. After mapping out a plan, relying on notes, the students will focus on writing thoughtful, well constructed responses. This class includes: vocabulary, grammar, literary devices and journaling. Read It - Think About It - Talk About It - Write About It.

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### **YOGA & SELF LOVE** (Scarlett) (5-10)

Take a deep breath and let's find our inner peace! In this class, we'll learn yoga poses and breathing techniques to calm our minds and strengthen our bodies. We'll also learn about the importance of self-love and how to practice it every day. Get ready to feel relaxed and confident in your own skin!

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