

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

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### **2D GAME DESIGN & PROGRAMMING** (Digital Dragon) *Computers, Programming, Digital Design*

This series will give young learners a balanced introduction to video game design and programming by making 3-4 simple games using the Scratch programming platform. Students will learn to control characters through an environment based on rules of their own creations. Creating their own characters and environments, students will also work in teams to design their own levels. Typical games include customized 2D arcade and side-scrolling games.

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### **A-Z SOCCER** (Manuel) *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 CHESS TUTORS** (Chess Tutors) *Chess/Life Strategy*

In effect, we are the ones who ensure that chess makes a good "first impression." While the overwhelming majority of chess programs may—to varying degrees—do a fine job of teaching the mechanics of the game, strategy and overall board consciousness, we on the other hand are far more concerned with encouraging life masters than we are chess masters. We do this by teaching children how to apply the lessons of the board to their every day critical decision making.

Phase I of our program is actually a 32 week intensive program broken up into four separate 8 week segments designed to immerse and fortify your child in the fundamentals of chess and ChessLife Strategies™, the life skills component of our teachings. Should you maintain your child's presence in our program for 32 consecutive weeks, we will do our part to ensure that they finish this school year confident and proficient chess players and—most importantly—as more measured and reasoning young boys and girls.

We recognize that learning to play the game of chess is not enough by itself to guarantee a fulfilling and productive life. We must also learn to translate and incorporate the lessons of this game into practical every day strategies. The PURPOSE and real-life benefits of a chess education—which have all too often been ignored or discounted are here actively pursued and promoted. Mastery of the game is therefore redefined in terms of the personal development of the student. No matter how skilled or how highly rated we may help our students become, if their life skills are not improving, then he or she is not mastering the most important thing of all, themselves. The game should not be an end in itself, but rather a tool towards the goal of self-mastery. As one masters their thoughts, emotions, words and actions they will achieve a level of discipline by which they can overcome all things. We cannot always control the traumatic world around us, but we can control how we respond to it.

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### **ADVANCED ROCK CLIMBING: SENDER ONE** (Kara) *Physical Education*

Want a fun way to exercise and get a strong, healthy body? Students will travel to Sender One for weekly climb time with certified instructors. Climbers will increase their climbing skills and agility by practicing and pushing themselves to be better climbers. Students will focus on honing in techniques while challenging their abilities with harder climbing routes. Climbers will develop their problem solving skills and confidence with every climb! All advanced climbers must have previously taken a Sender One climbing academy course. Keep calm and climb on!

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### **ADVANCED SPANISH** (Rubeth) *Foreign Language*

This course is for students who already speak Spanish - we will speak in Spanish 90% of the time.

Students will enhance their Spanish reading, writing and speaking skills through an intellectually challenging, experiential learning style that will develop each individual student's language confidence, all while having a good time.

Students will:

- develop knowledge of letter sounds, words and sentences in Spanish.
  - learn communication skills to interact in society in Spanish.
  - develop Spanish vocabulary related to the course.
  - approximate spelling and language conventions, focusing on being able to "read" simple sentences in Spanish and understand them.
  - learn adjectives to enhance their ability to describe people, concepts and their environment.
  - begin learning how to use pronouns and grammatical articles in Spanish.
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### **ALGEBRA** (Semester 1 of 2) (Joe) *Math*

In Algebra students will really begin to discover some of the exciting things math can allow them to do. Students will begin using all the arithmetic skills they've been developing over the past few years to begin solving riddles and puzzles that would otherwise seem impossible. Algebra helps students develop problem-solving strategies and skills, and the ability to recognize, express and work with mathematical relationships.

In this class we'll learn about:

- Integers, variables, terms and expressions
- Properties and characteristics of rational numbers
- Algebraic equations and inequalities
- Solving linear equations and graphing of points and lines
- Solving systems of linear equations
- Monomials and polynomials - factoring quadratic equations
- Working with rational expressions
- And if we have time second semester, we'll do a little intro into:
- Irrational and complex numbers
- Working with functions

The two class meetings each week will be supplemented with ungraded at home practice assignments.

Topics and concepts covered and additional resources are available at [www.joesclasses.wordpress.com](http://www.joesclasses.wordpress.com)

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### **ALGEBRA** (Semester 1 of 2) (Ryan) *Math*

In Algebra students will really begin to discover some of the exciting things math can allow them to do. Students will begin using all the arithmetic skills they've been developing over the past few years to begin solving riddles and puzzles that would otherwise seem impossible. Algebra helps students develop problem-solving strategies and skills, and the ability to recognize, express and work with mathematical relationships.

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In this class we'll learn about:

- Integers, variables, terms and expressions
- Properties and characteristics of rational numbers
- Algebraic equations and inequalities
- Solving linear equations and graphing of points and lines
- Solving systems of linear equations
- Monomials and polynomials - factoring quadratic equations
- Working with rational expressions
- And if we have time second semester, we'll do a little intro into:
- Irrational and complex numbers
- Working with functions

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### **ALICE'S ADVENTURES IN WONDERLAND AND BEYOND** (Kimber) *Literature, History, Art*

One sunny day, Alice followed a White Rabbit down a rabbit hole, and then... Students, in this creative class mix of literature, history and art, will dive into the imaginative world of Alice from Lewis Carol's famous nineteenth-century fantasy stories. In each class, students will listen to Alice's zany adventures and then discuss the meaning of the events, characters, and recurring concepts. What were this girl's experiences in the world at the bottom of the rabbit hole? As students journey through a variety of fantasy lands, they will gain insight into Victorian England and explore the themes of courage, adventure, growth, identity, education, and freedom. We will celebrate the silliness with projects and art that showcase imagination and playfulness. Creative projects and activities include cooking Queen of Heart tarts and making our own ceramic tea cups for a tea party, as well as writing a short story and "quote cards"— and creating playing cards, Mad Hatter hats, fantasy masks, chess pieces, pocket watches and other Awesome "Alice" Art. "Curiouser and curiouser!"

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### **ANIMAL ART** (Tommy) *Art*

Artists in this class will explore animals through drawings, paintings, illustrations, sketches, creative writing and storytelling. We will learn about some of the world's most beautiful and interesting creatures, while creating our own artistic interpretations of them.

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### **AREA, PERIMETER, CIRCUMFERENCE** (Ryan) *Math*

In this class students will discover the magical world of shapes and the puzzles they contain! Students will learn how to derive the formulas that we can use to understand shapes in a mathematical way. Students will also learn how to apply these formulas to real life applications. Towards the end of the semester, students will create something in the physical world using this new found knowledge!!

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### **ART HISTORY: ART IN NATURE** (Linda) *Art, Art History*

Nature has inspired artists throughout history and it reflects the ever evolving relationship between humankind and their environment. From ancient cave paintings to post modern abstractions, Mother Nature has been the most compelling muse to artists from all backgrounds. Influenced by the landscapes, plants, and animals represented by artists from various eras and cultures, Realm artists will create their own interpretations of our natural world.

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**THE ART OF CLOWNING AND MIME** (Kids on Stage) *Theater/Improv*

UNLEASH YOUR INNER CLOWN! Explore the tilt-a-whirl world of clowning and mime through improvisation, physical theater, and collective interaction. Clowning unleashes your inner goofball through spontaneous play so that each student has confidence in their original ideas. Solo and ensemble work culminates in an original theatrical presentation on the last day of class.

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**ART OF FANTASY IN NATURE** (Linda) *Art*

This class is pure imagination. Students will gather fantastical inspiration from the garden with fairies and gnomes, unicorns of the forest, mermaids from the sea, and other creatures that exist in our collective flights of fancy. While listening to stories we will create amazing interactive pieces of art.

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**THE ART OF STORYTELLING** (Kids on Stage) *Theater/Storytelling*

LET YOUR STORY COME ALIVE! Drawing from existing fairytales and your favorite stories we will explore all aspects of the art of storytelling which includes; structure, archetypes, presentation skills along with improvisation. A fun-filled, safe and inspiring environment to explore personal events in your lives through storytelling.

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**ART WITH THE GREATS: EARTH, SKY & SPACE** (Kimber) *Art, Art History*

Since ancient times, artists have listened to the call of nature and taken inspiration from the magical wilderness of earth and space. In this fun and unique art class, students will travel across diverse, beautiful habitats and then up through the galaxies- with a paintbrush, a canvas, and a dream. As inspiration, students will be introduced to a variety of nature, landscape and planetary art, from inspirational, contemporary artists to famous artists throughout history. Given the opportunity to experiment with different and new materials, and with the emphasis on three-dimensional and textural art, students will then create their own natural beauties.

Imagine glassy blue oceans and cascading waterfalls or glow-in-the-dark comets bursting through space.

Adventuring with a variety of techniques, students will also discover the fundamentals of composition, layering and creating focal points. While creating their own masterpieces, kids will be able to explore and discover art as a way to express their feelings, be creative, and develop their skills, as well as their confidence.

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**THE ARTIST IN ME** (Tommy) *Art*

Who are you? Art is a perfect way to show who you are without saying a word. As an artist, my art comes from what I have experienced - places I have traveled, people I have met and things that I love to do. Someone may not know me, but upon seeing my artwork, they will see who I am and what I love.

In this class, students will create works of art based on their own individuality - their own interests, hobbies, style, personality, etc. Students will be encouraged to be funny, candid, inspirational and show who they are and what they love.

Feel free to check out who I am through my art at [ArtistTommyJohnson.com](http://ArtistTommyJohnson.com).

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### **THE BEAT: SONGWRITER'S RECORDING SESSIONS** (Jimmy) *Music*

In an inspiring and welcoming atmosphere, REALM students will explore and open their creativity to flow through music and songwriting. We will work on the musical process together: melody, chords, beat, and lyrics. Students will also be guided through song arrangement; examining instrumentation and song order including intro, verse, pre-chorus, chorus, bridge, breakdown, and outro. Time in the recording studio at Pico Youth Center will be logged and recording and engineering basics explored. Absolute fun will be had as we learn to express ourselves through song, and at the end of semester CD's are cut.

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### **BEGINNERS CHESS TUTORS** (Chess Tutors) *Chess/Life Strategy*

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### **BEGINNERS ROCK CLIMBING: SENDER ONE** (Kara) *Physical Education*

Want a fun way to exercise and get a strong, healthy body? Students will travel to Sender One for weekly climbing lessons and climb time with certified instructors from Sender One and The Realm. Students will learn different techniques and various ways to become a better rock climber! Students will have access to bouldering walls, auto belays, and top rope climbs with a trained belayer. Students over 10 years old will learn how to safely and properly belay.

Do you go rock climbing? I would if I were boulder!

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### **BEGINNERS SPANISH** (Rubeth) *Foreign Language*

This is an introductory course for any student interested in learning the Spanish language. Students will enhance their Spanish reading, writing and speaking skills through an intellectually challenging, experiential learning style that will develop each individual student's language confidence, all while having a good time.

In this class, students will:

- develop knowledge of letter sounds, words and sentences in Spanish.
  - learn communication skills to interact in society in Spanish.
  - develop Spanish vocabulary related to the course.
  - approximate spelling and language conventions, focusing on being able to "read" simple sentences in Spanish and understand them.
  - learn adjectives to enhance their ability to describe people, concepts and their environment.
  - begin learning how to use pronouns and grammatical articles in Spanish.
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### **BEYOND BORDERS** (Kimber) *History, Geography, Social Studies, Politics, Tolerance, Art*

Through fun activities, engaging stories and hands-on creative projects, students in this unique class will explore the fascinating story of people- where we came from, where we've settled, and how that influences our identity and the ways we see others. Combined with cool history information and current events, students will compare maps from different time periods to current day, explore the geographic and cultural diversity of the nation, and gain a new perspective on our changing world— To look at all sides of geography is to understand how we connect.

From the beginning of the human story, people have banded together, civilization rose and fell, and countries and cultures formed. With historic example stories and exciting projects designed to have students pondering, we will discover how boundaries and borders still influence people. Students will look at geography and ask... can we all just live together as one big group? What is tolerance? Why is the world split into countries? How does our nationality define us? What are the stories of colonization? How do changes in population, migration, resources and more, now affect the borders of our world? How does religion or politics influence where people live? Do territory lines lead to cooperation or conflict? Of course, in our exploration of these questions, we will create some of our own beautiful map, globe and cultural art. Ultimately, we'll find that geography can be more about the connections between us than it is about the borders that divide us.

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### **BIOLOGY** (Tara) *Science*

Description of this class is on it's way! Please check back soon.

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### **BIOMES OF THE WORLD: WATER** (Linda) *Science*

71% of planet Earth is water. It is an essential ingredient of life as well as home to millions of species of plants and animals. Students will research and create models, posters, dioramas, and boardgames to represent the various marine and freshwater environments. Together will construct a body of work that depicts the physical factors (temperature, pressure, salinity, movement, amount of light, etc) and the biological factors (flora, fauna, food webs, weird and wonderful adaptations, etc) of shorelines, continental shelf areas, rivers, lakes and wetlands.

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**BLAZING BOOKWORMS** (Salma) *Literacy (Early/Emergent)*

In this class, students will delight in the joy of reading, in a group and independently. We will be making frequent trips to the library, and will learn how to choose a 'just right' book to ensure students can decode and comprehend books they pick. We will focus on sight words and letter pairings to allow students to transition into independent reading. Students will engage in the stories they read through dramatic retelling, making crafts, and rethinking beginnings, middles and ends. Throughout the semester, we will work on writing our own stories too, drawing inspiration from the stories we read, sounding out new words and mastering the author within ourselves.

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**BOOK EXPLORERS: THE MAGIC TREEHOUSE SERIES** (Liz) *Literacy*

Climb inside the treehouse and take a magical trip through time and space. Our Book Explorers will be reading from The Magic Treehouse series. Students will be divided into small groups, with each group reading their own installment of the series. Classes will focus on relating the main plot points to the rest of the class through storyboards, short descriptions, or even skits. And since each book focuses on a historical event we will step away from the books to do some research in class to learn more about our topics. The students will create notebooks to keep track of their findings as well as construct art projects to enhance their learning.

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**BOTANY** (Linda) *Science*

This class takes an in-depth look into the mysterious world of plants. From the carnivorous venus fly trap to the enormous death-scented cadaver plant we will explore the bizarre ways plants have adapted to defend themselves, reproduce, and grow; all while creating food from the sun and providing the oxygen we breath. Students will experiment and create models and illustrations describing the anatomy, physiology, and taxonomy of plants in all their wonderful forms.

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**BUGTOPIA** (Linda) *Science*

Why do bees dance? How did the black widow get its name? Why are mosquitoes considered the deadliest animal on Earth? 90% of all life forms are insects, with millions of different species, many yet undiscovered. In this class we discover this amazing and incredibly varied group of animals as well as their creepy crawly relatives, the Arachnids. Using multitudes of artistic techniques combined with independent ad group research, kids will dig deeply into the earth as we study BUGTOPIA!

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**CAPOEIRA** (Mestre Batata) *Martial Arts*

Capoeira is an Afro-Brazilian martial art that incorporates self-defense, music, dance, and acrobatics. Practicing Capoeira builds strength, coordination, flexibility, and self-confidence, and children of all ages quickly learn Capoeira given their natural agility. Mestre Batata has been teaching Capoeira to children and teens for over 30 years and has been teaching in Los Angeles since 2002.

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**CHEETAH-WOLVES** (Bonnie & Jimmy) *Health & Fitness, Running*

It's Season 4 of the never-stopping Cheetah-Wolves Running Club. This is the class for those kids with energy to burn. We get strong, fit, and push our mental limits as we explore beautiful Santa Monica on fast feet. Coaches Bonnie and Jimmy will help runners strive to be their personal best, even when their minds scream, "I cannot do this anymore." Runners practice safety first and experience the limitless buzz and freedom of the mind that comes from being fit. It is also simply awesome being part of a bonded team.

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### **CLASSIC CARD GAMES** (Jess M & Kalen) *Math/Games*

Come get hooked on card games and have some hands-on fun! We will be learning Phase 10, Canasta, Blackjack, Solitaire, Spit, Concentration, Hearts, Rummy, Snap, Gin Rummy, Spoons, and many more. We will experience many types of math, such as number order, probability, number theory, arithmetic, and strategy, all while actively engaging in our learning.

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### **THE COLLECTIVE** (Jimmy) *Mindfulness, Social/Emotional*

The Collective class grew out of the morning Collective gatherings. One of the most successful of Jimmy's classes last semester, this class is focused on the big, over-arching life lessons and character building of the whole person. With mindfulness as the essential component we take time for self-exploration and examination of the journey of life. Situational ethics, Golden Rule, resiliency, relationship to family and friends, overcoming adversity, and staying centered are topics which come up in this special time for social-emotional learning and growth. If we have a good foundation as a person the rest of life falls into place. Study of the life and messages of some of the greats run throughout the course: from Gandhi to Bruce Lee to the historical Buddha. Please join us in this time of togetherness in the Fall of 2018.

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### **CRITTER CREATIONS** (Linda) *Arts & Crafts*

Arts and crafts in many mediums will be employed to represent all sorts of creatures: furry, feathered and scaly. We will be sewing, painting, sculpting, plastering and paper mache-ing our way through the animal kingdom. Artists will gain confidence in their artistic style through experimenting with so many of the "nuts and bolts" of the craft world!

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### **CURRENT EVENTS** (Joe) *Political Science, Social Studies, Geography*

What's Happening?! In this class we'll find out what's going on in the world from week to week. We'll read about and discuss current events. For each class meeting, students will have the opportunity to share a news article - from a newspaper or online - that they've found during the previous week. We'll read it together in class and discuss relevant concepts and vocabulary that might be new or unfamiliar to some students. We'll also focus on Internet source verification and validation, civics, government/politics, geography, the environment, and the development of vocabulary and general knowledge.

There's always something interesting going on! We'll never know what to expect from week to week, except we can always count on there being something fascinating to discover! Come join us and find out what's up!

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### **DIGITAL DESIGN** (Digital Dragon) *Computers, Art*

This class will introduce digital tools necessary for creating digital art and manipulating digital photographs. Students will leave with an understanding of Photoshop as a tool and powerful platform for sending a meaningful message to the world. Working in small teams to build a fictional (or real) businesses, students will collaborate together to create logo designs, websites, and advertisements for their company.

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### **DIRT** (Kara) *Environmental Science, Sustainability*

Let's get our hands dirty and learn all about dirt! What grows in dirt? How is dirt made? What are the different layers of dirt? What lives in dirt? Dirt is fascinating and helps to grow so much life! Did you know that one tablespoon of soil has more organisms in it than there are people on earth!

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What do worms use to leave messages? Compost-it notes!

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### **DRAWING 101** (Tommy) *Art*

Students in this class will learn the basics of drawing and sketching, beginning with still lifes and eventually moving on to people and figures. We will cover mediums - what pencils work best - and method - how to hold the pencil correctly. Along with technique, students will also learn to plan and execute their ideas. Students will create beautiful drawings and paintings that will be with us forever.

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### **EARLY NON-FICTION EXPLORATION** (Bonnie) *Literacy (Transitional, Fluent 1)*

Let's look at what is real. Students will learn all of the telltale signs of Non-Fiction books. They will practice using Tables of Contents' and Glossaries, understand the differences between types of font and underlines, and identify the purpose of headings.

Students will end up applying what they have learned to their own Non-Fiction Books, including an amazing autobiography.

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### **EARTH SCIENCE** (Tara) *Science*

Description of this class is on it's way! Please check back soon.

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### **EARTHY CRAFTS** (Kara) *Environmental Science, Sustainability, Art*

Dream catcher from sticks, dried flower art, tie-dye from spices; nature has some incredible resources to make beautiful pieces of art and fun crafts! Throughout history, humans have used the earth to both sustain us and make life beautiful. While we learn about the "roots" of our materials, students will get crafty and create some really awesome projects using found objects straight from Mother Nature.

What kind of tree can fit into your hand? A palm tree!

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### **EDITING 101** (Bonnie) *Writing (Fluent 2)*

This class is for the patient writer, who knows that the editing process is what makes writing writing. How sllllloooooow can we go? Students will critique model writing and be asked to not only look at ways to improve it, but also identify its tone and purpose. They will then edit these essays, upgrading the vocabulary and switching sentences around to modify the structure.

Through reading others' works, students will be able to see what really makes Wow writing. They will take what they have read and be able to mirror what works it in their own writing. Expect homework and a focused learning environment. Enrollment by Instructor Referral Only.

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### **THE ELEMENTS GAME** (Joe) *Science*

This class explores the periodic table, its groupings and periods, atomic structure, and characteristics of individual chemical elements. There will be two primary aspects to each class meeting. We'll begin each week by doing brief research on the table itself or on a specific group or block of elements. Students will collaborate on reading and interpreting information and will then work together to answer a series of related questions. Following that, we'll explore the elements through gameplay.

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Students can learn as we go, or access the game questions and answers - plus extra information - via <https://joesclasses.wordpress.com/other-classes/the-elements/> for at-home practice and study.

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### **ENGINEERS AND ARCHITECTS: STABLE STRUCTURES** (Linda) *Science*

This class will challenge the students that create structures that are stable and strong. They will compete to design towers that withstand movement and wind, bridges that can span long distances and hold up more weight, tunnels that don't collapse, as well as boats that are stable, buoyant and fast. Through the process of the design cycle we will use simple materials to explore how the laws of physics influence how things are constructed to make them strong and functional as well as beautiful.

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### **ESSAY BASICS** (Bonnie) *Literacy (Fluent 1-3)*

Thankfully, there is an easy-peasy formula to those pesky essays all people will be required to crank out in life. Essay Basics is taught by an actual Essay Writing Lover (Bonnie). Wake up early and ace the steps to writing a clear articulate essay, that will leave you feeling like you have the upperhand. Excellent practice for confident writers and/or beginners to the Non-Fiction genre. Expect relevant homework.

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### **ESSENTIAL QUESTIONS** (Joe) *Rhetoric, Reasoning, Literacy, Social Studies*

Which are there more of - questions or answers? Does every question have an answer? Do some questions have more than one answer? Do some have none at all? Do all answers have a corresponding question? This class is going to explore questions - what they are and why we have them. We'll ask questions - mostly we'll ask the kinds of questions that have more answers than answer-ers. We'll learn about ourselves as we go - we'll ask, what are some questions we haven't thought of before? And then we'll think about them.

Each class meeting will explore a new question. Students will practice analysis, explanation, persuasion, rhetoric and debate. The general class format will be: presentation of the week's question, brief discussion, quick-write (ten to twelve minutes or so) and then group sharing, consideration and debate. As the semester progresses, students will be encouraged to develop and solidify at least one of their stronger views as a finished written presentation.

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### **EVOLUTION** (Linda) *Science*

From the first signs of life wiggling about in the primordial stew of Earth 3.8 billion years ago to human beings with our amazing abilities of creation and destruction as well as the 8.7 billion other forms of life we currently share this rock with, we will explore the tree of life. What did the common ancestor of all life on this planet look like? How did change happen? How long did it take? And who were the scientists who have influenced our understanding and helped unravel the mysteries of how we came to be? These questions and more will fuel our discussions and inspire our projects as we delve into the history of life.

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### **EXCURSIONS...CANADA?** (Semester 1 of 2) (Jessie & Joe) *Travel, Research*

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 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

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funding their own share of the cost. This class will require an adventurous spirit, an inquiring mind, and a tenacious desire to persevere.. Our travels will take place over spring break. When we return, students will create independent research and response projects which they'll present at our end of year celebration.

Must apply for entry. Application will be available July 15th

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### **FRACTIONS AND DECIMAL BUFFS** (Ryan) *Math*

Conquer your fear of fractions today! Throughout this class, students will dive head first into completely understanding these immensely important topics that have confounded kids for eons. We will explore how fractions are embedded into our daily life and we will become friends with these useful parts of the mathematical world! Our goal is not just to master how to work with fractions but rather to understand why we need them and how we can use them to better understand our world.

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### **FUNNY MONEY** (Jess M or Gina) *Math*

First, students will learn about the basics of money with the recognition and value skills of the penny through the quarter. They will be aware of the differences of color, shape, feel, and value. After that, we will continue to work with their students to help improve their addition and subtraction skills of the basic numbers of single placement to four place holders. They will also learn the higher amounts of money and how to use the combination of both monetary values. We will do all of this through the use of games and projects, making learning about money fun!

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### **GALACTIC READERS** (Salma) *Literacy (Emergent)*

It's time to fall in love with stories! In this class, we will look at a wide range of stories, from fiction to nonfiction, adventure to comedy, fairy tales to futuristic stories. We will learn how to find clues in stories and use our imagination to enrich a story experience. We will talk about various literary techniques that stories use, like describing through our five senses, and using onomatopoeia and will dabble with using them ourselves. Students will get to create as they dream up alternative endings, act out scenes from a story, and play the author themselves.

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### **GAME DESIGN DEVELOPER** (Digital Dragon) *Computers, Programming, Digital Design*

Join a game development team! In this class, students will be grouped together to form game design development teams. They will learn the fundamentals of game design concepts from character design, narrative story design, game play, interactive design, user interface design, and user experience design. Then through their collaborative efforts they will brainstorm, pitch, and create the very game that they want to make. Teams will be lead through the entire game development process from beginning to end and learn the technical skills needed for completion. Typical games may include arcade games, side-scroller games, or choose your own adventure. No past game design experience necessary.

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### **GARDENING PARADISE** (Kalen) *Gardening, Science*

When we cultivate a love for nature and a connection to plants it helps create a better world. Although we might live in a city, we have a natural paradise sitting under our nose! Once we recognize this abundance a new world opens for us. To encourage this discovery, students will engage in a fun exciting experience where they will spend time planting, playing, observing and learning in a nurturing environment. They will learn to foster a love for nature by making use of our own Realm Garden to support natural discovery, hands-on learning, thematic activities, art and science investigations. It's time to awaken our natural connection with the Earth!

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

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**GEOMETRY** (Semester 1 of 2) (Joe) *Math*

Now that we've learned a little algebra, we can begin exploring some of the other amazing things Math can do. In Geometry we'll learn about lines and shapes and angles and their properties and relationships. We'll discover conjectures and learn about logic and proof. Students will learn about angle measurements, properties of parallel lines, triangles, circles and other polygons. Students will learn about similarity and congruency. Students will gain experience in graphing and working with the coordinate plane. We'll practice thinking and figuring analytically and look for ways to tie words and numbers and shapes and symbols together to describe concepts that are otherwise difficult to imagine, discovering along the way the power and glimpsing the potential of symbolic language.

The two class meetings each week will be supplemented with ungraded at-home practice assignments.

Topics and concepts covered and additional resources are available at [www.joesclasses.wordpress.com](http://www.joesclasses.wordpress.com)

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**A GLIMPSE INTO THE LIFE OF MINORITY WRITERS** (Salma) *Literacy, Social Studies*

Writing has been a powerful tool in holding the mic to voices that don't usually get the stage. Through poems, short stories, autobiographies and more, minority writers have been telling their stories to a world that doesn't always prioritize their narratives. What does it feel like to be an immigrant in America? Or an African-American during the Civil Rights movement? Or a Muslim post-9/11? We will be delving into these written pieces, studying the context of the time and taking away historical lessons. We will also learn from the various styles and writing tools these writers used to best communicate their message. Through reading the stories of others, we will gain knowledge, understanding and empathy and use it to broaden our perspective.

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**GLOBAL ACTIVISM** (Brittany) *Social Studies/Activism (Transitional - Fluent 1-3)*

In this class, students will have the opportunity to explore what issues they care about and what causes they are interested in advocating for. They will be encouraged to find their passions, whether it be for human causes, animal causes, environmental causes, or any other societal issue. We will brainstorm ideas and students will then focus on a topic of their choice for their individual action project. Becoming active for a cause is an important way to help create change and there is no better time than now for young people to learn how to inspire and engage their inner activist.

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**GLOBAL GOURMET** (Kimber) *Cooking-Culinary Arts, World Cultures, Practical Life Skills*

Come take a trip around the world - with your taste buds! Students in this dynamic, hands-on cooking and culture class will find that cooking can be quite creative, full of discovery, and a whole lot of fun - plus they get to eat what they make! We'll stamp our passports and explore wonderful cuisines from far off places. Through delicious cooking, this unique class will also emphasize geography, foods grown in different regions, culture, language, history, and music from around the globe! As they dice, slice, flambé and brûlée students will learn fundamental culinary skills, kitchen safety and nutrition education, all the while building cuisine self-esteem and exploring their creativity. Students will also develop important life skills such as working as a team, applying math and science, and expanding their global gastronomical experience. Fun and tasty projects and savory and sweet treats will include Italian homemade pasta, Turkish muhallebi and baklava, Vietnamese Cha Go spring rolls, Mexican tortillas and tamales, Spanish tapas, Indian naan,lassi and samosas, French crepes and quiche, Japanese sushi, and North African couscous. Where else can you make edible works of art? The fun doesn't stop here though... students will also design their very own multicultural cookbooks to take home and share the wealth!

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\*Please note that all recipes used will be vegetarian (no beef, pork, chicken, lamb, etc.) but not entirely dairy, soy, egg, gluten or nut free. If student has other allergies, please check in before enrolling.

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### **GLOBAL PROBLEM SOLUTION ESSAY WRITING** (Bonnie) *Literacy, Civics (Fluent 2&3)*

Students will have choice in this class. We're being proactive and independent in here. What makes something a problem? How can a problem's impact be greater than we could ever imagine? Expect lots of interacting with current news articles and at-home discussion prompts.

Students will find a problem that gets them personally all fired up. Then, learn how to break it down in a smoothly written way. They will brainstorm solutions that they believe in and detail those too.

Students will learn both essay and letter writing formats, as well as be made aware of the chain of command (politically) of who to go to in order to get action. The hope is to include a group paper as well. By the end of the semester, our plan is to put some of the solutions into action.

Expect homework, please.

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### **GLOBE TROTTERS AND WORLD GEOGRAPHY** (Kimber) *Geography, Social Studies-World Cultures, Tolerance, Art*

Knowledge of Geography can make a "world" of difference in our understanding of the world! Through fun projects and exciting games, students in this unique class will travel around the globe, from Greenland to Tasmania, learning the locations and cool characteristics of cities, states and countries. Because Geographers organize space in much the same way as historians organize time, students will start with the basics and be challenged to read maps, catch a plane on time using different time zones, or with quests to discover lost landforms or find buried treasure only given latitude and longitude.

As students build a solid foundation in understanding the world, they will also explore the different continents, including climates, biomes, mountain ranges, bodies of water, and much more. Geography is not just about the places and landscapes on a map though... It's also about the people who make each country so unique! How does the land influence people and the ways they live? While creating different types of maps, dioramas, handcrafted globes and other creative projects, we will delve into the impact of geography on cultures. Students will also discover interesting history, foods, music, language, literature, and of course, art, as they journey around the world. Here come the Globe Trotters!

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### **GOJU RYU KARATE** (Sensei Vassie) *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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### **THE GOLDEN STATE** (Nathan) *History, Science*

California is one of the most spectacular national treasures found in the contiguous forty eight. From its highest peak to its below sea level lowest point, our home state has it all. Home to more specific climate zones than any other state in the US, we have a rich diversity of wildlife, geography, geology, weather, and human populations. In this class we will be scouring the state to learn about much of the amazing history, places, and animals of our home

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state. We will be using art projects, science experiments, and even hands on fieldwork to investigate the distinct features of California.

For our 1:30 class we will have projects, experiments, and written work appropriate for each age group/ability level. Some of the projects and experiments will be similar but each student will have their specific project tailored to their abilities.

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### **GRAMMAR PROS** (Joe) *Literacy*

What is grammar and why does it matter? What are the different parts of speech? What elements make up a sentence or a paragraph? What are some common mistakes that writers and speakers often make? What's the reasoning behind all these rules? This class will introduce students to the often neglected and seemingly difficult to grasp elements of compositional style.

We'll get a grip on nouns, verbs, adjectives, adverbs, prepositions and pronouns. We'll learn about verb tense and punctuation and how to use commas. We'll learn to identify parts of sentences. We'll practice writing and composing sentences. We'll look for examples in readings, and discover that some rules are not as strict as you might expect. And most importantly, we'll discover that grammar can be fun - that's why they call it wordplay - not wordwork!

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### **GRAPHIC NOVEL WRITING** (Brittany) *Literacy, Art (Fluent 1-3)*

For students who are interested in the combination of creative writing and visual art, this class will engage the process of brainstorming and writing their own graphic novel. A graphic novel is a book-length comic, or a story told with a combination of graphics (images) and writing. Comics are sequential visual art with text in a series of rectangular panels. We will take a look at comic strips and graphic novel material to discuss the dynamics of the genre, style, elements, and format.

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### **GREEN THUMBS** (Kara & Kalen) *Environmental Education, Gardening, Sustainability*

In Green Thumbs, students will learn where our food comes from, how food is grown, plant parts, and the whole plant process from germination to harvest! We will be getting down and dirty by planting and growing our own food! We will build an organic gardening system from the ground up, take care of the plants, and harvest our own food!

How well is your garden going to grow? Only Thyme will tell!

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### **HAPPY HABITATS AROUND THE WORLD: HABITAT CONSERVATION** (Kimber) *Science, Habitat Conservation, Art*

Happy habitats make happy animals and happy people! We are all connected and our actions in the world affect humans, animals, and plants everywhere. By protecting habitats, we're protecting wildlife and our own lives! Students in this fun and engaging, hands-on class will explore interesting information about the threats to different habitats around the world and to the animals that live there. Stories, exciting art and thought-provoking projects, like "Earthy Art Message Mandalas", will spark curiosity while students become aware of some of the major threats, like pollution, that are specifically impacting these natural environments and all creatures who live there.

Students will dive into information about how human settlement, lifestyle choices, and deforestation have contributed to habitat destruction and threaten everything that lives there. Students will also develop a deeper

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

understanding of the greenhouse effect and human influences on the Earth's climate. Students will then use their crazy creative problem-solving skills, become habitat defenders, and be in action, working together on solutions in a positive and powerful way. Projects also include "Mindful Mobiles", habitat weavings, garbage science, terrariums and planting experiments, dioramas, art posters and card sets. Look out world... Here they come! Protecting the Wild and Wonderful!

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**HIKERS CLUB - TREKKERS, EXPLORERES, ADVENTURERS** (Nathan) *Outdoor/Environmental Education*

Southern California offers some of the most amazing hiking trails in the country and what better time to go explore them than during school hours! We will be splitting hikers' club into three groups this semester: Trekkers (Wednesdays), Adventurers (Thursdays), and Explorers (Fridays)! Wednesday's class will be for younger students and start with beginner level hikes like Inspiration Point (Will Rogers) and Franklin Park. Thursday's group will be ascending some moderate to relatively challenging hikes such as Escondido Falls, Skull Rock, and Sandstone Peak.

The Friday group will be exploring more of our midrange hikes and conquering destinations such as Malibu Creek M.A.S.H. site, Inspiration Point (Will Rogers), and the Waterfall Hike (Temescal Canyon. Of course, some of our hikes are more about their absolute beauty than any type of challenge so all groups may be visiting the same place from week to week as well. Our goal will be the same for all classes: immerse ourselves in the California outdoor experience with mini-lessons on geology, history, botany, and zoology while building up our endurance one mountain top or beach hike at a time!

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**HISTORY DNA - SCIENTISTS** (Joe) *History*

History DNA is a game that gives students an opportunity to learn about fascinating and influential figures from the past. It's played with an ever-growing deck of cards. Each card depicts a significant person from history. The game involves quiz questions about the historical individuals, identifications of the people, and competitions between different people based on character traits. During the Fall 2018 session, we'll be focusing on Great Scientists of the Past.

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**THE HISTORY GAME: 20TH CENTURY** (Joe) *History, General Knowledge*

The History Game gives students an opportunity to learn about important people, events and historical trends through gameplay. The game revolves around a collection of date/event memory cards - students can acquire cards by accurately connecting the date and event. Once a card is acquired, the student will have opportunities to score points by asking other students questions about the card's topic.

Each class session will begin with a brief mini-lesson or quiz, followed by a review of previous week's topics, and then we'll play the game. This semester we'll be looking at World History during the period from 1900-1970.

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**HISTORY'S UNSUNG HERO(INES)** (Liz) *History, Social Studies*

When we learn about history it is often the big stories we hear. Most of us know the names George Washington, Martin Luther King Jr., Gandhi, and Harriet Tubman. But how familiar are we with Ada Lovelace, Wangari Maathai, The Night Witches, or Ignaz Semmelweis? In this class we will look at some of the people that history has overlooked. Each class will look at an unsung hero or heroine from history and understand their place in history. We will also look at some of the reasons this person went overlooked. History will come to life with some of our unknown heroes!

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

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**HOME SWEET SOLAR SYSTEM** (Kimber) *Science-Astronomy, Art*

Are you ready to take off? Students in this "out of this world" science exploration class will launch into the ultimate adventure, using all of their senses, and journey to each planet, through our solar system- and beyond! Through exciting, hands-on creative and educational activities, students will discover interesting planetary information, discuss recent discoveries and delve into the past, present and future of space exploration. Thousands of years ago, people gazed up into the vast expanse of space and wondered... what were the points of lights moving through the skies?

Now we ask... what would it be like to join the ranks of space pioneers who persevere to push the boundaries of human exploration? What would it be like to travel to a far away planet, live in the cosmos or have a vital role in mission control? Aspiring explorers in this fun class will put themselves in the roles of trainees preparing to become the new generation of astronauts getting ready to live and work in space, and the crucial people, like spacecraft designers and mission controllers, who are needed to make those dreams come true. Projects include launching rockets, creating planetary models, dioramas and tourist brochures for future space adventurers, painting galaxies, designing personal spacesuits and Galactic Graffiti t-shirts, growing space crystals, and experimenting with "Mars Sand" and "Jupiter Juice".

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**HOP, SKIP, JUMP and STEP** (Chie & Erica) *Movement*

We will be exploring what is stepping and how to create an impact with a squad.

Stepping or step-dancing is a form of percussive dance in which the participant's entire body is used as an instrument to produce complex rhythms and sounds through a mixture of footsteps, spoken word, and hand claps. Though stepping may be performed by an individual, it is generally performed by groups of three or more, often in arrangements that resemble military formations.

Stepping may also draw from elements of gymnastics, break dance, tap dance, march, or African and Caribbean dance. The speed of the step depends on the beat and rhythm the performer wants it to sound.

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**HOW TO LIVE LIKE A JEDI** (Jimmy) *Creative Play, Mindfulness, Social/Emotional*

This class features life lessons through creative free play with structure. In a galaxy far, far away (but closer than you think) a group of children begin the journey from Youngling to Padawan to Jedi Knight at Dagobah West. In this continuing adventure (but open to new students) we go deeper into the Jedi Code of even-mindedness, service, honesty, courage, peacekeeping, discipline, and feats of heroism.

The Jedi Order demands the highest principles and teaches children how to be citizens in the world. From lightsaber skills to meditation to cooperative games, these Jedi in training learn how to use The Force inside them for the good of all. We immerse ourselves in the imaginative story line with our Jedi names and summon our 'best selves' in thought, word, and action. Teamwork and calmness are accentuated on the Jedi Knight journey.

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**IN OUR ATMOSPHERE** (Nathan) *Science*

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

What is air? Air is a chemical, a necessary ingredient for life, and a home. In this class we will research and discover what exactly air is made from, how it is used, and what types of organisms live in it! This class will include art projects, science experiments, and written work that we will use to learn about the air that we breathe. We will look at the history and future of air and analyze its current state as we work towards gaining a well rounded idea of the importance of air on our planet.

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### **INSPIRED BY GREAT AUTHORS** (Salma) *Literacy (Fluent 1)*

A key ingredient to becoming an amazing writer is becoming an amazing reader! In this class, we will be drawing inspiration from short stories, poems, novel excerpts, and autobiographical pieces by great authors to help us in our own writing. As we read, we will soak up literary techniques and dabble with using them in our own writing. As we study these written texts, we will gain an appreciation for literature and cultivate a joy of reading. We will discover what it is in writing that can pull at our heartstrings, make us swoon, ache and laugh as we journey through a character's experience.

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### **JOURNEY THROUGH A BOOK: FROM THE MIXED UP FILES OF MRS. BASIL E. FRANKWEILER** (Liz) *Literacy*

Have you ever wanted to spend the night in a museum? In the Mixed Up Files of Mrs. Basil E. Frankweiler, two kids do just that. Each week students will read chapters of their book and come to class ready to delve into the story. We will look at the literary techniques used in the book, study the structure of the story, and make character sheets. But the real fun will come when we dive beneath the surface of the story to explore all the facts that made it into this fiction. We will study the Metropolitan Museums of Art, and discover if we have what it takes to survive inside the museum, and help the characters solve the mystery of the unknown statue.

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### **A JOURNEY THROUGH ACTING** (Fabiana) *Acting, Performing Arts*

Each session is aimed at the development and enhancement of the imagination and creativity of the students, guiding them through a journey of autonomy and self discovery in their creative expression and communication skills. Through the use of diverse acting techniques and movement, the child will be gently led to the learning (or improvement) of the fundamental tools needed for onstage and on-screen performances. A typical class will contain:

- Relaxation techniques (prepares the body, mind and emotions to be receptive and open to a clearer connection with the imagination)
- Emotional and Sensory work (aids the awareness of behavior and the way it manifests in everyday life)
- Creative Movement (helps the student to express what is "inside" and give it a form)
- Improvisation (to learn how to be present in the moment)
- Scenes and Monologue Study (we learn here to apply all of the above)

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### **JOURNEYS: THE FUTURE OF OUR WORLD** (Nathan & Jess M) *Research, Community-building*

Journeys is an inspired, adventurous, learning community. Each semester the theme will guide the exploration. Students will saturate themselves with experiences, observations, encounters, and information to help them internalize meaningful thematic content. From this saturation period, students will search for what inspires them. Then, they will dig deeper into research while designing creative ways to showcase their knowledge and insights. Prepare for exciting excursions out in the world, insightful discoveries, research development and mini-lessons, and a memorable event and showcase! It is mind-blowing goodness...

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### **KERBAL SPACE PROGRAM** (Digital Dragon) *Rocket Science, Engineering*

Students who have never been introduced to the wonders of space exploration will build rockets, explore other planets and reach other solar systems while learning the history of humanity's attempt to explore the universe beyond Earth...while also investigating its potential future. Students with previous KSP experience will receive extra challenges and instruction designed to push their engineering and problem-solving abilities.

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### **LA TRAPEZE SCHOOL** (Trapeze School) *Physical Education, Movement*

Have your child learn high-flying skills as well as body control and body movement in this semester long circus experience at Trapeze School New York on the Santa Monica Pier. This workshop will end in a performance for friends and family on December 16th at 5:30pm. During the workshop your child will be working on Flying Trapeze Skills, Silks, Aerial Hoop, Tight Wire, as well as Juggling. The skills used in these activities will help to enhance self esteem, create good body image, and forge new and exciting physical possibilities!

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### **LA VANGUARDS** (Chie & Kara) *Social Science*

In this class, the main focus is awareness through knowing your surroundings and knowing how to make safe judgement calls, developing compassion for those you see around us that are suffering from mental illness by understanding they're people just like us, and finding a zest to try new things through eating foods you may have never tried and by going places that open your eyes to hidden beauty.

We will be walking a great deal, talking to business owners, and understanding what it takes to work in a city atmosphere.

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### **LAB DABBLERS: EARTH, TOTALLY COOL & TOTALLY GROSS** (Nathan) *Science*

Our planet is one of the most fascinating places in the cosmos! Earth is home to a wide variety of life and geologic situations that offer us an opportunity to study things that will blow our minds and turn our stomachs. In this class we will investigate and manipulate these things using science experiments and art projects. From fungus and bacteria to crystals and the Grand Canyon, we will work towards understanding how our amazing planet is the mother of some of the coolest and most disgusting occurrences in the universe!

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### **LANDMARK SUPREME COURT DECISIONS** (Joe) *History, Social Studies, Research*

In this class we'll learn about Landmark Supreme Court Decisions. We'll examine a different decision each week (or two). We'll learn the backgrounds of the cases, we'll put them into their historical context, we'll read transcripts of the court arguments and debate, and we'll read the decisions and opinions of the court. We'll question and debate, and we'll try to get a handle on why the justices ruled the way they did, whether or not they were right, and what we believe. There will be some listening, some reading (some role-playing of judicial arguments as we read from transcripts), some learning, some debating and some writing. It'll be fun!

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### **LEGIBLE LETTERS & WORDS: PENMANSHIP AND WRITING** (Salma) *Literacy (Emergent/Transitional)*

We all have stories to tell and messages to communicate but the first step is learning the art of written language! In this class, we will be practising the correct formation of letters and numbers, writing on and between lines and

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

writing legibly to make sure everyone can make sense of our writing. We will play fun games and learn handy tricks to help us sound out words, remember letter pairings and sight words, and identify syllables. By mastering our pencil and boosting our confidence, we will have the ability to share our writing with the world!

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### **LIFE ON THE MOUNTAIN** (Nathan & Kara) *Outdoor Education, Sustainability, Culture*

How did people survive living on a mountain 500 years ago and how do people survive living outside today? In this class students will learn how to live sustainably on a mountain. Students will acquire orienteering, fire ecology, and ethnobotany skills that will help them lead a more sustainable life. In addition to sustainable living skills, the students will also become Leave No Trace certified and be able to teach others the 7 leave no trace principles in being a steward of the land. End of the semester culmination event will be an overnight stay where the students will be able to demonstrate their new found knowledge. There will be a supplemental charge for the overnight trip. More information of the events to come!

Want to hear a joke about a mountain? Nah, you'll never get over it.

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### **LITERARY GAMES GALORE** (Salma) *Literacy (Transitional-Fluent 1)*

Race you to the next rhyme scheme! In this class, we will be playing charades with onomatopoeia, honing our memory with card games using homophones, and creating characters blindfolded. Through acting games, puzzles, classic board games, and outdoor play, students will attain a wide array of literacy knowledge while having fun. Students will also have to utilize teamwork, problem solving and critical thinking as they work together to find the missing adjective, match story sections, and even create their own games.

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### **THE LORAX: SPEAKS FOR THE TREES AND OTHER EARTHLY TALES** (Salma) *Literacy (Emergent-Fluent 1)*

Dr Seuss's *The Lorax* is not only a beloved story but also a tale brimming with lessons and a powerful message. In this class, we will be exploring the world and characters of *The Lorax*, and will make meaningful connections to the real world. As we study the story, students will be introduced to larger themes like consumerism, activism and conservation. We will stock up on values like kindness, perseverance and responsibility that will help us engage in acts of service. As we learn more about the challenges our world faces, we will take action to stand as the Lorax, speaking up for others, preserving the environment and bettering our communities.

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### **MAGIC** (Steve) *Magic, Performance*

Explore the secret world of magic! This class will pull back the curtain on an art form which fascinates people of all ages, and from all walks of life. The topics will include the historical, practical, and theatrical aspects of magic which all add up to amazement. We will discuss past magicians and what made them special and memorable. We will discuss some of the secrets of magic and how they work including optical illusion, psychology, mathematical principles, sleight of hand and more. We will also discuss some of the theatrical techniques which elevate magic from merely a puzzle and give it life; techniques such as public speaking skills, scripting, body language and visual design. This class will show some of the many answers to the classic question of "how did they do that!?"

A goal of this class will be to connect each student with an aspect of magic which aligns with their personal strengths and interests. Some students may live to be on stage while others may be more interested in the creative and theoretical opportunities which magic provides. In any case, students will get a chance to be amazing in their own way.

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

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**MARINE BIOLOGY: TIDE POOLS** (Linda) *Science*

Tide pools are little microcosms of marine ecosystems. Battered by surf, prone to extreme fluctuations in temperature and dehydration, animals in these tiny harsh worlds have adapted in many strange and wonderful ways. Students will learn to identify these plants and animals found in local tidepools and discover what makes each one special by creating a 3D representation of a tidepool with all its creatures as well as an identification chart.

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**MARVEL SQUAD RETURNS** (Jimmy) *Creative Play, Mindfulness, Social/Emotional*

Welcome to Marvel Squad! Movement, Math, Music, Problem Solving, Practical Life Skills, and More! Through imaginative play and scenarios our home-made super heroes will pave the way to success. Why limit the creative capacities of our REALM students? Here we aid in the what-ifs and pro-actively work them into the class structure through constructive free-play. Each week various challenges from various disciplines cause our very own Marvel Squad to summon their talents, powers, and teamwork to meet the challenge.

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**MATH FOR STANDARDIZED TESTS** (Joe) *Math, Test-taking Strategies*

There's a certain amount of wisdom into knowing when to apply the strategem, "If you can't beat 'em, join 'em". The likelihood is that at some point everybody will have to take a standardized math test, and at that point - for better or worse - it will come down to how quickly and accurately they can tackle the problem. The good news is that most of the math on most of the standardized tests, is not all that difficult - generally the test-makers create questions that can be completed in a minute or less, so most of the actual math is pretty straightforward, as long as the concepts are understood and the necessary steps to the solution are recognized and competently executed. So, this class will give students a little experience and practice in test-taking, and a little explanation and concept development where necessary. Mostly, we'll try to beat the test at its own game, by having fun with it, instead of letting it stress us into submission!

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**MATH MARVELS** (Nathan) *Math*

This class will be an overview of 1st and 2nd grade basic math concepts, including addition, subtraction, multiplication, division, money, time, and an introduction to fractions. Each two week section will cover one of the skills mentioned above. We will be using art, science, games, and contests along with worksheets and flashcards to practice. Our goal in this class is to fortify existing skill sets within each student as well as introduce new concepts for them to practice that will support them in other math classes.

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**MATH MASTERY: LET'S GET POSITIVE ABOUT NEGATIVES** (Ryan) *Math*

Just as the name implies, this class is intended to develop comfort and understanding of what is commonly a challenging topic - the negative numbers. Through both real world examples and mathematical application, students will gain a deep understanding of how to work and express quantities (or the lack thereof) with negative numbers! Through games, explorations and projects we will become one with the entire number line!

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**MENTAL MATH I** (Joe) *Math*

Prerequisite = Some experience with counting, addition and subtraction

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

Adding, Subtracting, Doubling, Tripling, Quadrupling, and beginning Multiplication

This class focuses on developing our analytical thinking through mental computation and memorization. We'll focus primarily on arithmetical operations - striving to really get a grip on adding (one and two-digit), subtraction (one and two-digit), and beginning multiplication techniques. We'll practice holding numbers in our heads while we do two-step problems. We'll learn to parse problems and look for patterns to help us derive manageable methods of 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.

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### **MENTAL MATH II** (Joe) *Math, Problem Solving*

Prerequisite = Some experience with multiplication

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

This class focuses on developing our analytical thinking through mental computation and memorization. We'll focus primarily on arithmetical operations - building on skills developed in **Mental Math 1**. We'll learn methods, tactics, and techniques for multiplication, and also learn about Squares, Factors, Division, and Fractions. We'll practice holding numbers in our heads while we do two, three and four-step problems. We'll learn to parse problems and look for patterns to help us derive algorithmic methods of 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.

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### **MENTAL MATH III** (Joe) *Math, Problem Solving*

Prerequisite = Multiplication memorized up to 12x12

Intermediate to Advanced (2-digit by 2-digit and beyond) Multiplication - plus division with fractional and decimal remainders and advanced Addition and Subtraction.

This one's for the all-stars. Students who have been developing their mental math skills for awhile will further develop their abilities in two and three-digit multiplication and division. We'll also be working with fractions and percentages, and how to develop shortcuts and tricks of our own. We'll practice squaring numbers up to 100, and see if we can find ways to derive square roots. Each week we'll look for patterns and relationships within number sequences, and consider what insights those patterns can offer. We'll explore a variety of calculation and memorization techniques.

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### **MICH HOUR** (Ryan) *Independent Math*

For those kids who are working on their own individualized math curriculum...here is the support you were looking for! Whether they are working on online programs such as Splash Math or IXL, or a store-bought math workbook, they can do so while still receiving support from a math teacher.

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### **MINDFULNESS AND MEDITATION** (Jimmy) *Mindfulness, Social/Emotional*

Welcome to Square One of education - learning about yourself. Students will get in touch with their relationship to themselves, the world, and others through fun, awareness-building exercises. Students will gain tools for their 'toolbox' to make a solid foundation of self from which to grow and learn through the rest of school and life. REALM kids will learn how to deal with sensory experience, thoughts, mind-body connection, and stay in the moment. PBS

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

(Pause, Breathe, Smile), Affirmation, Positive Self-Talk and Compassion are some of the mindfulness tools students come away with. Meditation here becomes accessible and useful. Meditations include breathing skills, listening skills, body scans, visualizations, and even some guided meditations lead by students. Accompanying our practice is role-playing games, reflective artistic endeavors in line with the week's lesson, some yoga and stretching, mindful eating, and sometimes even tea. Also included are Zen shorts and a whole lot of smiles :)

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### **MULTIPLICATION MASTERS** (Joe) *Math*

There is simply no more important arithmetic skill for students to master than multiplication. Students who master multiplication thoroughly before moving forward into more advanced areas perform better and with greater confidence - and most importantly, they have fun doing math. Most students who struggle with fractions, decimals and algebra don't really struggle because they have trouble with the new concepts, they struggle because their poorly developed multiplication skills slow them down and preoccupy them so they can't focus on the new ideas and skills being presented to them.

This class will focus on all aspects of elementary multiplication: Memorizing multiplication to 12x12 - and doing speed drills. Using the vertical multiplication method to multiply multi-digit numbers. Using the distribution method to understand how multiplication works. Looking at alternative methods for pencil and paper calculations. And lots and lots of practice. This might be the most important math class your student ever takes!

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### **MUSICAL THEATER PRESENTS "NEWSIES"** (Kids on Stage) *Theater*

ACT, SING, DANCE, PRESENT. Let your inner actor come alive with Kids On Stage. Work with a theater professional and experience theater games, singing, dancing while learning to hit your mark and find your voice. Musical Theater foster teamwork, brainstorming, confidence-building and self-expression by tapping into each player's natural storytelling ability. The session ends with an open class presentation of "Newsies."

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### **MYTHS & LEGENDS: STORIES THAT UNITE THE WORLD** (Liz) *Literacy, History*

What do Theseus, Luke Skywalker, and Dorothy Gale all have in common? They are all heroes of their stories. They are young people who set out on a path that they did not know the outcome of and returned changed for the better. In this class we will explore the hero tales that the world's cultures have told throughout their histories. Why did so many cultures come up with similar stories? What do these stories tell about us as people? Students will chart the stories and see how their own lives fit into the hero's journey.

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### **NAVIGATING YOUR FUTURE: YOU ARE THE CEO OF YOU** (Carol Zee) *Self-awareness*

What is a CEO you ask? In the business world, it means Chief Executive Officer and they are in charge of everything. In this course students will explore what it takes to be a good leader, starting with understanding and managing themselves.

Sessions include self-awareness activities to discover things like: "What Kind of Listener am I?", "Am I a proactive or reactive person?" and "What matters to me?"

We will explore personality types, mindsets, effective communication and managing emotions through lively conversation, journaling and improv games. Students will identify their strengths and interests and finish the course by creating their own mission statement that reflects their core values and their "POP" (Purpose On the Planet).

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**NINJA WARRIOR TRAINING** (Coach Courtney) *Physical Education*

Run – Jump – Kick – Punch! We are getting boys and girls ready to take on fun and challenging obstacle courses. In every class, athletes will learn new acrobatic skills in a safe progression. From jumping over blocks to punching through walls, we do it all. Athletes will test their abilities at the end of every class with an obstacle course incorporating all the new skills they've learned. A skills sheet will highlight everything students should learn in order to be a master ninja warrior. This class will build strength, agility, and confidence for everyone.

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**NOVEL TEA: EVERY SOUL A STAR** (Liz) *Literacy*

Ever felt out of place? Ever felt like you were meant for bigger things? If your child can answer yes to these questions then they will love reading about the characters in “Every Soul A Star” by Wendy Mass. This book jumps between various character viewpoints as it explores one life changing summer for a group of teens. Students will create charts to track the characters through their various chapters as we explore character development. By looking at the various points of view we will start to explore author’s intent and see how it is used to enhance the story.

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**OCEANOGRAPHY** (Linda) *Science*

Most of our planet is covered by ocean. It produces 70% of our oxygen, drives our weather and planet chemistry, and most of Earth’s creatures live in it. Yet most of us will never do more than dip a toe into the very fringes of it. This class explores these vast bodies of water from the wavy, white capped surface to the rugged and extreme topography of the ocean floor with its hydrothermal vents. Through experiments and hands on activities students will discover what causes waves, currents, and tides; investigate the chemical makeup of seawater; and take a closer look at food webs and the interaction between life in the ocean and the physical aspects of the water itself.

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**ODYSSEY OF THE MIND** (Jess M) *STEAM, Problem Solving/Teamwork*

Odyssey of the Mind is an international creative problem-solving program that engages students in their learning by allowing their knowledge and ideas to come to life in an exciting, productive environment. Participants build self-confidence, develop life skills, create new friendships, and are able to recognize and explore their true potential. OotM proves that students can have fun while they learn. Since 1978, OotM problems have challenged students to go beyond conventional thinking and incorporate creative problem solving in learning. Creative problem solving a skill that needs to be nurtured and developed. While a conventional education is important, learning to solve problems creatively and confidently gives them an important edge in their education and career goals. There is creativity inside each of us and OotM teaches how to tap into it so it can be applied to real-world problems.

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**PAINTING/SKETCHING STEP BY STEP** (Tommy) *Art*

Starting with our own thoughts and creative ideas, we will as a class first decide on one subject to start with. We will sketch the subject out in our artist journals, as well as jot down any ideas we may have - such as its color and size - with the understanding that there is no right or wrong interpretation. Using everything from tiny paper to huge canvases, our artistic interpretations of the shared object will come to life. As artists, we will develop our own style and our own unique vision of the world - it will be exciting to see how each student portrays the same subject!

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### **PAIR PROGRAMMERS** (Digital Dragon) *Math, Computers, Programming*

This course takes students through the process of creating mobile apps for Android phones and tablets. Working in pairs and using MIT's App Inventor 2, students can prototype their mobile app idea without having to type out long lines of code with specific syntax rules. Students will work together to brainstorm ideas and produce design documents to serve as guides for implementation. The course introduces topics relevant to all CS programming languages, while allowing students to use their own creativity and passions to make projects that they want to create. By co-coding and collaborative playtesting, students will develop skills together that focus on programming and user interface design.

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### **PERSPECTIVES** (Kimber) *Tolerance, History, Social Studies, Communication Skills-Conflict Resolution*

Imagine what would it be like to be only 1-inch tall. Think about what our world looks like through the eyes of a flying bird. Students in this unique class will be presented with a variety of stories and situations, from silly to serious, and in a fun and powerful way, be challenged to consider the different points of view. Through thought-provoking discussions and interesting projects, students will discover that looking at an issue from various vantage points helps us understand others, creates empathy and adds multiple layers of meaning. These new perspectives also help us develop a clearer understanding of how historical events have shaped society today.

Putting ourselves in another's shoes, we will delve into all kinds of questions... What would our day be like if we were blind? What are people like from different countries? What are stereotypes? What was a Native American perspective on the arrival of the Pilgrims and celebrating the Thanksgiving holiday today? What about the Aboriginal people in Australia? What was it like to be a Japanese-American citizen and be forced into an internment camp during World War II? Students will also look at age-related social situations and explore tools and techniques to help with misunderstandings and conflict resolution. Multiple perspectives activities include exciting games, comic strips, stories, dramatic play, Rose Colored Glasses and See-Think-Wonder projects and a variety of other fun multi-media art projects.

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### **PHILOSOPHY: WHAT DO YOU THINK?** (Joe) *Literacy, Social Studies, History*

How do you see the world? Why do you see it like that? Do we guide our cultural beliefs? Or do they guide us? Can ideas change the world? This class will be an introduction to the philosophers and ideas that have influenced the way we live. We'll look at the origins of the beliefs that we sometimes hold without question - and then we'll question them. We'll focus on political, social and economic thought, but won't ignore other culturally significant ideas. We'll spend each week learning about a philosopher, sometimes two, and their impact on our culture, we'll read passages from their writings and practice discerning what the ideas mean, what alternatives to the ideas might be worth consideration, and how it all affects us. We'll write our own thoughts about the topics discussed, and each student will choose one philosopher for further individual research.

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### **PLAY WITH YOUR FOOD** (Chie) *Food Science*

We will be making vegetarian meals with a twist. Focusing on seasonal fruits and vegetables and how we can infuse uncommon pairs such as cabbage in lavender lemonade instead of food coloring. Waffles made with garbanzo flour to increase protein. Why do we need protein?

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

Along the way we will be logging our oops and modifying recipes in order to perfect the balance of taste and good health. Kids will be measuring out their own ingredients and writing their recipes down along with a visual presentation of the meal each class.

*Please be aware that nuts, wheat, and dairy will be used in this class.*

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### **PODCASTS: NOW HEAR THIS** (Liz) *Literacy, Social Studies, History*

One thing I say all the time is “I heard this cool thing on a podcast.” I love sharing all the facts and tidbits that I learn from them with anyone in earshot. And now your kids can come along for the ride. We will be listening to short portions from various podcasts. We will then delve into any new vocabulary words we learned, talk about the information presented, and formulate our own views on the subject. We will keep a running journal of what we have listened to, what our thoughts were on the subject, and how we can explore more about the topic. Some podcast we will listen to are Ologies (science), This American Life (cultural), Sawbones (medical history), and Stuff You Should Know (general knowledge). Worry not, each podcast will be screened for age-appropriateness.

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### **PORTRAIT WORKSHOP FOR TWEENS - IT'S ALL ABOUT THE LIGHT!** (Denise) *Photography*

This workshop is hands-on and we will be taking pictures both indoors and out. Students will work together to create fun assignments and have supportive critiques. They will explore and develop their own individual artistic styles and learn how to recognize and control different lighting techniques to create dynamic portraits.

Students will learn how to:

- Observe how light falls on their subject
- Control and manipulate light
- Direct and capture light
- Create portraits using natural light and modified light
- Use lighting modifiers to produce creative lighting techniques

Students will need:

- A digital camera (preferably a DSLR with a full battery and empty memory card) but if a student doesn't have a digital camera, they can bring their camera phone, I will have an extra camera available
- A basic understanding of how to use their camera and its settings
- Any lenses or accessories they want to use
- To wear sneakers or comfortable shoes, we will be walking around from location to location

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### **PRE-ALGEBRA** (Semester 1 of 2) (Jess M & Ryan) *Math*

In Pre-Algebra, students will have an opportunity to develop an understanding, familiarity and expertise in advanced arithmetical operations. Students will learn how to work with fractions, decimals and percentages. Students will be introduced to concepts involving exponents and roots, factorization, primes, divisors, variables, negative numbers, equations, inequalities, ratios and proportions, unit conversions, and basic geometry (angles, perimeter, area, triangles, and quadrilaterals). This class will continue during the spring semester.

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### **PRE-ALGEBRA** (Semester 1 of 2) (Joe & Ryan) *Math*

In Pre-Algebra, students will have an opportunity to develop an understanding, familiarity and expertise in advanced

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arithmetical operations. Students will learn how to work with fractions, decimals and percentages. Students will be introduced to concepts involving exponents and roots, factorization, primes, divisors, variables, negative numbers, equations, inequalities, ratios and proportions, unit conversions, and basic geometry (angles, perimeter, area, triangles, and quadrilaterals). New topics will be introduced each week and will be supplemented and reinforced through gameplay. This class will continue during the spring semester.

The two class meetings each week will be supplemented with ungraded at home practice assignments.

Topics and concepts covered and additional resources are available at [www.joesclasses.wordpress.com](http://www.joesclasses.wordpress.com)

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**PROBLEM SOLUTION ESSAY WRITING** (Bonnie) *Literacy, Civics (Fluent 1&2)*

In this class, writers will learn to differentiate between personal, community, and global problems. Each class will center around a discussion; students will learn how to be active listeners and practice respectful sharing, through the use of a talking stick.

As the class progresses, the problems we analyze will become more complex. We will break down problems relevant to Los Angeles. Specifically, the homeless epidemic and the rising rent costs. Students will discuss the causes and work tirelessly to come up with possible ways to make a positive impact on these staggering numbers. Expect lots of interacting with current news articles and at-home discussion prompts. By the end of the semester, our plan is to put some of the solutions to action. Students will learn both essay and letter writing formats, as well as be made aware of the chain of command (politically) of who to go to in order to get action.

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**QUEST: MAKING YOUR MARK IN THE WORLD** (Jess M & Salma) *Research, Community-building, Literacy*

Quest is a multi-faceted, community-based, experiential-learning program.

The Quest Program is designed to provide students an opportunity to explore themselves and their world in a supportive and encouraging environment. Students will embark on a series of outings and explorations, balanced by and followed with written, multimedia, and artistically creative projects. These projects will serve as responses to the experiences and discoveries students have during the course of the Quest. Students will create individual and group projects that will be presented at their culmination event at the end of the Quest.

This semester, Quest will be exploring the theme: "Making Your Mark in the World". We will explore the many ways people further causes they care about and will learn the stories behind the world's greatest (and youngest) change makers. While learning about environmental, political and social causes around the world, we will also turn the focus to ourselves. We will examine our personalities, strengths and unique experiences to understand what it is specifically in us that we can give back, whether it's an artistic streak or a knack with people, personalizing our mission. We will hear from guests who have turned passions into projects and will visit inspiring organisations and non-profits. We will present our ideas to each other and research how to get our voices heard on a larger scale (Go Fund Me, Social Media, IndieGoGo, Shark Tank, etc.) As we learn more about the ways societies work and the people working to better them, we will realize how each of us has the ability to make a mark in the world!

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**QUILTING BEE** (Ginger) *Art, Sewing*

Come join our art and sewing class about the practice and history of quilting and textiles! The Quilting Bee is an art class about radical quilting that will teach children about the concept and process of making quilts. By the end of the class each child will have made their very own throw-size quilt on a sewing machine, as well as introductory sewing

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projects, color studies, and collages. Quilting involves reading patterns, math and visual reasoning, historical referencing, craft, and bunch of creativity. This class will look at artists and citizens throughout our culture and history who use quilting and textiles such as Faith Ringold, Judy Chicago, and Ben Venom, among others. From the revolutionary war to punk rock, let's check out quilting!

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### **RAIDERS OF THE LOST ARTIFACTS** (Kimber) *Archaeology, Ancient History, Art, Geography*

In this unique history exploration class, students will be introduced to the study of archaeology and examine information discovered from ancient artifacts and interesting excavations from around the world. What stories do these discovered treasures tell us about people and civilizations of the past? How do archaeologists and "dirt detectives" decipher information from bones, ruins, shards and remnants of past cultures? Through stories, games, cool experiments and projects, students will "dig deep" and explore archaeological methods, survey and excavation. If we were an archaeologist... how do we find important sites and what do we do with them? How do we interpret artifacts? How do we preserve a site? What about sunken treasures? How do we become a shipwreck sleuth? Students will then delve into the results of real archaeological quests, the wonders discovered from different time periods, lost civilizations, ancient ruins, sacred writings, strange artifacts and more... and then create artifact and site-inspired projects. Let the adventures begin!

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### **READ, WRITE, THINK!** (Jessie S) *Literacy (Transitional)*

*Read, Write, Think!* is a class designed to support fairly confident readers to become deep thinkers about what they are reading! They will learn to respond to great books (both through read alouds and independent reading time) in fun, creative, and meaningful ways!

Every reader in this class will create a Reading Response Journal that will be our road map for learning how to process literature through a variation of strategies and skills, such as: making connections, asking questions, making predictions, writing a summary/response, making inferences, visualization. We will also dive into the art of retelling and responding through story elements and understanding the author's point of view. Kids will be given a tote bag to carry their journals and books home between classes so that we can share this journey together! This class is where readers become **READERS!** The goal is for kids to become readers that fall in love with books, that always have a book in their backpack, that find favorite authors, and that always Read, Write, AND Think!!

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### **REALM TALKS OUTSIDE THE BOX** (Talia) *Social Studies*

Similar to Ted Talks, the mission here is for students to share their own ideas worth spreading. Students will watch a variety of thought-provoking and inspiring videos, and discuss the different feelings that arise while learning to see things from other people's perspectives. They will be encouraged to explore new "outside of the box" ideas while learning about different experiences, cultures, beliefs etc... The semester will be summed up with a final project consisting of a recorded personal talk by each student, so they can share their own passions, opinions, and ideas worth sharing.

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### **RELAXED READERS** (Salma) *Literacy (Transitional/Fluent 1)*

It's time to kick off our shoes, relax under a tree, and fall in love with reading. Amongst nature, we will be introduced to a variety of children's novels and short stories. We will explore the classics as well as current day popular fiction and discuss what it was about them that won the hearts of so many! We will practice reading with intonation and

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fluency, and become familiar with strategies that can help us read with decode new words. Most importantly, we will take this time to let stories sweep us off our feet, enliven our imagination and plant in us a habit and love of reading.

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**ROBOTIC COLLABORATION** (Digital Dragon) *Technology, Robotics*

Young students will engage together in a variety of activities that introduce technology basics while also fostering creativity and self expression. Students will use tablets, computers, robotics, and a variety of other products to explore the ever-expanding world of robotics...as well as themselves.

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**ROCKSTAR GLEE VISITS SNOW WHITE** (Kids on Stage) *Theater*

SING, DANCE, IMAGINATIVE PLAY, COSTUMES. This creative dramatics class is for those who love to sing out and create stories! Sing classic rock and popular music along with imaginative theater, dance, character development and costumes. Each weeks songs will be interweaved in an original improvised "Play-of-the-day."

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**ROME** (Jimmy) *History*

When in Rome! Ciao - Welcome to the Eternal City and capitol of one of the greatest Empires in history. This class will study the history starting from the myth of the twins Romulus and Remus to the Roman Kingdom, Republic, the rise and fall of the Empire, through the dark ages and up to the present day capital of Italy. We will study both everyday life and the lives of the Emperors, Artists, Poets, and other leaders. We will investigate the culture and practices of early Romans and compare them to today's values and practices, especially in present day America. Music, food, religion, and yes, government and military will be delved into as students consider what worked and what didn't - what lessons we can glean and incorporate into today's world.

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**SCRAPBOOKING** (Chie) *Journalism*

In this class students will start with collecting addresses to family members and friends creating an address book. They will be sending out hand-written custom-designed cards. Each card will have a note in it telling about themselves and asking open-ended questions, allowing the recipient to feel free sending a card back. They will put together a book marking the important places and people in their life right now. They will each have required pictures to take on a disposable camera (or using a parent's phone). We will dive into composition, spelling, and presentation as we connect the old fashion way!

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**SCULPTURE 3D ART** (Linda) *Art*

Students will create three dimensional art with a variety of materials: plaster, clay, recycled objects, paper mache', cardboard, fabric, etc. Famous sculptures throughout history will become our inspiration as we build, sew, glue, mold and form our pieces from the realistic to the abstract and even whimsical.

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**SEXUAL DEVELOPMENT AND HEALTHY RELATIONSHIPS** (Christina Stein, PhD) *Healthy Relationships*

With puberty comes a new awareness around sexuality and the desire to have romantic relationships. We want to teach our kids how to have healthy relationships and feel good about their sexual identities so that they are empowered to make good choices regarding their bodies and their feelings. In this course students will learn to identify their own values around sexual expression and romantic relationships. We will explore what messages we get from society and how to make our own choices based on personal values. We will also explore the many different feelings that come up around having crushes and wanting to be in relationships. There will be some

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developmentally appropriate discussion around the physical changes of puberty and how to be loving and supportive of ourselves and respectful of our peers as we go through this transition.

Ultimately, rewarding relationships are based on meaningful friendships. Our main focus will be on how to be a good friend, what it takes to be a good friend, and how to communicate effectively with other friends and in relationships. Students will learn how to identify and communicate their physical and emotional boundaries to others. They will also learn how to support their friends to establish their own boundaries. Students will learn that sometimes people have different ideas and that this is part of life, navigating those differences and staying friends is a life skill and the basis of good relationships.

Sessions will be very interactive with discussion, self-awareness activities, art projects and brief reflective papers. Parents will be informed of the weekly topics and given prompts or activities that will help continue the conversation at home.

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### **SPORTS CLUB** (Jimmy) *Sports*

Welcome to REALM Sports Club. Time to get some exercise and have a field day! As any REALM student who has taken Sports will tell you our themes have not and will not vary: Teamwork and Sportsmanship carry the day for each class. Classic sports such as Soccer, Touch-Football, Basketball, and Wiffle-Ball are taught and played in a fun, non-judgmental environment. Basic skills such as stretching, throwing, catching, shooting, passing, defense, etc. are taught for each sport. We also have our requisite timed obstacle courses (competing against our previous times only). Sports teaches many life lessons in a healthy way: interpersonal relationships, trust, strategy, mindfulness, coordination, hand-eye, mind-body, motor skills and most importantly how to win, how to lose, and how to work together. Bonus: a trip to a Los Angeles professional sports game in the mix.

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### **STOP MOTION - FRAME BY FRAME** (Digital Dragons) *Art, Computers, Film*

This class is an introduction to animation and the techniques of stop motion and pixelation. Working together in small teams or partners, students will create a variety of projects from hand drawn flip-books to LEGO and 2D animations. Students will learn how to use a stop motion app and add titles and music to their projects through post-production and editing.

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### **STUDENT GOVERNMENT AND "THE POWER OF THE PEOPLE"** (Jimmy) *Government, Civics*

Here rests our future - the REALM Student Government-in-Training. Tomorrow's leaders will gain the basic footing of working together for the betterment of the whole. Students will be introduced to democracy and Robert's Rules occurs in a safe atmosphere. During class, events for the REALM community are will be spearheaded while learning the skills of note-taking, fiscal responsibility, and agenda creation. We also will embed Teamwork exercises on the regular as kids learn to voice opinions, respect others' opinions, and even work on that age old art of compromise. A Cabinet elected from within, with rotating positions, will learn to put differences aside and function in a way which keeps service at the forefront. Throughout the semester, we also study various systems of government and inquire about our democracy and civic duty.

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### **TALENT SHOW** (Kalen) *Performing Arts*

Everyone has unique self-expression waiting to emerge. In this class, students will engage and explore this expression by experimenting with their own voice and encouraging peers to do the same. They will learn the skills

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necessary to produce a successful celebration of unique talents. From brainstorming to planning to creation, students will develop a Talent Show which encourages fairness, creativity and fun. The goal of this class is to help students understand the importance of fostering unique talents and supporting a diverse community. Everyone should have a chance to shine!

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### **TEAM ROBOTICS** (Digital Dragon) *Computers, Robotics*

Students will be introduced to the fundamental STEAM concepts of technology and engineering by teaming together to build robots able to complete tasks and challenges. Students will explore how programming affects the real world by building and controlling robots to navigate simple environments. Collaboration, group investigation, and creative problem-solving are fostered all while introducing both programming and robotics skills. This series will utilize a set of easy-to-use, drag-and-drop software tools and LEGOS which are skills that lead to more advanced systems in higher education.

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### **TIME IS MONEY** (Jimmy) *Math*

So goes the Benjamin Franklin quote. Where math intersects with everyday life in the most practical ways, 'Time Is Money' helps students prepare for everyday life. From old-school reading of a clock to registering a leap year, time will spur on students math skills in a fun and practical way. From counting change and making change, to an overview of interest and stocks, the Money side of the equation will entice kids to get into crunching numbers. Let's get started!

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### **TRASH TO TREASURE** (Kimber) *Art, Environmental Stewardship, Sustainability*

Salvage Art is a unique and fast-developing medium in the art world, but even better... it's tons of fun and good for the environment! It's amazing what kids can come up with when given the space and opportunity to explore the unusual! Throughout this exciting class, fun projects will use recyclable items and inspire creativity- while teaching students to reuse a wide variety of things, "garbage", in a new and exciting way. Always creating new projects, and using wild imagination and recycled items -including computer parts, metal bits and pieces, broken toys and baubles, our student Eco-Artists will create their own fantastic artistic masterpieces.

All the while, whether it's magical creatures, animals and robots, these crafty inventors will also be demonstrating the benefits of thoughtful consumption, mindfulness, abundance, and reinterpreting wealth and waste. How cool is that? Terrific Trash-To-Treasure projects will include "The Wild Things" creatures, mixed-media sculptures, "Sweet Salvage" beads and jewelry, funky wind chimes and mobiles, repurposed planters, bottle cap mandalas, musical instruments, print art and "Wacky Weaving". While we don't promise that we will be able to solve the world's garbage woes... we do promise a totally enjoyable experience that not only produces exquisite art projects, but is kind to the Earth as well. Get ready for some seriously impressive transformations!

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### **TREASURES OF THE EARTH: THE SEARCH** (Kara) *Environmental Education, Sustainability*

Have you ever looked around and noticed all the different natural treasures there are! Seashells, roses, cool looking sticks, oh my! Each week students will learn about a new treasure and then go out and search for it! Let's explore all of the beautiful things we can easily take for granted!

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Do you want a brief explanation of an acorn? In a nutshell, it's an oak tree.

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**TRUE GIRLS** (Kelly) *Personal Growth & Development, Spiritual Psychology*

Come join an exquisite group of girls on this semester-long journey of exploring and expressing your true glorious Self. True Girl classes will foster deep connections with Self and others, while building a strong community of like-minded friends. These classes will focus on embracing your strong, confident, and unique Spirit and sharing it with each other. We will nurture ourselves and each other on all levels- mind, body and soul through fun creative art projects, music, yoga and healthy food celebrations. Each one of us radiates a unique brilliance that is meant to illuminate the world and this course will support you in shining your light out into the world with confidence and joy.

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**UNIVERSAL MATH** (Jess M & Ryan) *Math*

During this emergent math class, we will go over the nitty gritty of basic math skills. We will be covering basic number theory, one-to-one correspondence, number writing, shapes, patterns, basic time, adding, subtracting, skip counting, odd vs. even, measurement, time, money, and basic fractions. Time to instill a serious love of math!!

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**VISIONARIES** (Jimmy & Bonnie) *Science, Literacy, Mindfulness, History*

Visionaries think for the future. This term, Visionaries are going to use their voices to speak for an animal. What is going on in its mind? Our mission is to explore the nooks and crannies of the animal habitats around us: The Bay, Ballona Creek, Malibu Creek, Star Eco Station, and maybe even the zoo. We will hit the trails and watch animals in action, as well as pepper those who work closely with them with questions. Students will choose an animal, whose future they are determined to make brighter, then use their creative minds to create a new kind of peaceful habitat for it.

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**THE WONDER OF ANIMALS** (Brittany) *(Fluent 1-3)*

For many of us, animals are a source of interest and fascination. This class will explore a variety of animal species and environments in different parts of the world and will engage students in various activities. This will include learning about certain endangered species and what is being done for awareness and advocacy. Students will focus on a species of their choice for a project that involves investigation and creativity. Students will also learn about the similarities between humans and animals and the interconnectedness of all beings, so as to cultivate appreciation and respect for the animal world.

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**THE WONDER OF WORDS** (Michelle) *Literacy (Early/Emergent)*

Students will explore the wonder of words and understand that letters make sounds and when put together, these sounds make words. When words are put together, they make sentences. Sentences then make stories. Students will delve into the world of storytelling and together, we will find a love and understanding of reading.

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**WORD MASTERS** (Joe) *Literacy, Spelling, Vocabulary*

What are words? Where do they come from? Who makes them up? How many do you know? How many do you need to know? How do you spell them? Why do you spell them like that? And does it matter how you spell them?

In Word Masters, students who have already taken Words class will have an opportunity to take their spelling and vocabulary to the next level. We'll explore more challenging words and roots and begin to really discover what language can do!

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**WORD PROBLEMS** (Joe) *Math*

In this class, students will practice translating words into numbers, variables and mathematical operations, and back again. The class will focus on (but not be limited to) algebraic word problems. Students will learn about real world applications of linear equations and systems of linear equations and so this class will mesh well with the Linear Equations and Polynomials class. We'll look at questions both numerically and visually, gaining practice in reading and creating graphs and charts. Students will explore logic, relations and numeric patterns.

The one class meeting each week will be supplemented with ungraded at home practice assignments.

Topics and concepts covered and additional resources are available at [www.joesclasses.wordpress.com](http://www.joesclasses.wordpress.com)

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**WORD WEAVING: A CREATIVE WRITER'S WORKSHOP** (Brittany) *Literacy (Emergent-Fluent 1) (Fluent 1-3)*

Students will participate in the writing process, from brainstorming, free writing, and exploring ideas, to developing their own short story. They will learn about the elements of fiction and various writing tools, such as dialogue, plot diagramming, and character motivation. At the end of the semester they will engage in the workshop process, which includes giving feedback and participating in peer review.

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**WORDS: AEON TO ZEPHYR** (Joe) *Spelling, Vocabulary*

What are words? Where do they come from? Who makes them up? How many do you know? How many do you need to know? How do you spell them? Why do you spell them like that? And does it matter how you spell them?

In Words class, we'll ask questions like these, as we get to know about words. We'll learn about words as things, we'll learn about language, and we'll learn about vocabulary and spelling and word origins and the development of language. Each week we'll learn about a new word, and a new spelling rule or convention. We'll practice it through exercises and gameplay. This class will center around a spelling game that involves letters and letter groups and fun - it involves using letters and common groups of letters to make words, phrases and sentences of growing length and complexity.

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**WRITING IN THE WILD** (Brittany) *Literacy, Nature (Transitional-Fluent 2)*

Nature is often a source of inspiration and creativity. It is also a necessary place for reflection, especially in today's fast-paced, technological society. Many great writers, both classic and contemporary, have been inspired or influenced by nature. Nature is also celebrated in some of the greatest literary works, in a range of genres: poetry, short stories, essays, novels, and memoirs. In this class, students will engage in a variety of free writing exercises and prompts that relate to nature and the outdoors. This includes observation writing, sensory writing, and brainstorming techniques. We will also take a look at pieces of writing (poems and stories) that connect to nature in meaningful ways.

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**YOGA** (JJ) *Physical Education*

- ASANA - Students learn and master age appropriate yoga poses each session. Eventually all poses are strung together into a yoga flow tailored to each class.
- BREATHING TECHNIQUES - Yogis gain knowledge of various breathing techniques that help them to calm down, energize, cool or heat the body.

*Please review the Fall 2018 Class Schedule for age ranges of classes.*

- IDENTIFYING EMOTIONS - The use of songs and key discussion points allow students to identify and get in touch with their feelings.
- PLAY through NON-COMPETITION – The little gurus learn non-competition and acceptance of themselves and others through play- song, dance and yoga games.
- MINDFULNESS - Concepts such as kindness, compassion and empathy are taught each week in class. Students are encouraged to take their yoga "Off the Mat" and share these concepts with the people in their lives.
- RELAXATION - At the end of each session yogis participate in "Savasana". While lying in a peaceful position with calming background music, students are led through guided meditation to focus their breathing which leaves them feeling relaxed and calm. We also hold weekly circle times to check in with each other and our emotions.

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### **YOU WANT A PIECE OF ME? FRACTIONS WITH JESS** (Jess M) *Math*

What fraction of the day do we spend awake? What fraction of your friends have freckles? What fractions contribute to the piece of cake you're eating? If you find any of these question intriguing, then you will love learning about fractions with Jess. Learn why fractions are so important, as well as where in the world we use them. Through a variety of projects, experiments, and calculations, we will explore all things fractions. A high fraction of you will actually learn to love fractions!