

Please review the Spring 2019 Class Schedule for age ranges of individual classes.

2-D GAME ARCADE W/ FUSION (Digital Dragon) (8+) *Technology*

Whether you are an experienced game designer or new to this game, this class will give all the tools and knowledge you need. With a focus on recreating classic arcade games and console games for practice, students will walk through the processes of story boarding and design--building on and learning the skills necessary to craft their own custom interactive game.

2-D GAME DESIGN & PROGRAMMING (Digital Dragon) (8+) *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.

3-D ART AND BEYOND (Linda) (5+) *Art*

With all new projects, 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.

6 TRAITS OF WRITING (Brittany) (8-11) *Writing*

This course will teach the important modalities of critical thinking and creative expression through various types of writing, both fiction and nonfiction. Students will be introduced to the Six Traits of Writing—an effective and widely used set of writing tools— and will be guided through activities and exercises for each trait. Working with the Six Traits will help students learn how to develop clear and balanced pieces of writing. Exercises and activities will include brainstorming, writing prompts, outlining, attention-getting strategies, word choice enhancement, sentence fluency practice, and more.

A-Z SOCCER (Manuel) (5+) *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.

ADVANCED CHESS TUTORS (Chess Tutors) (6+) *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.

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

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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.

ADVANCED MATH LEVELS 1 & 2 (Ryan) *Math - By Invitation Only*

In this fast-paced class for advanced math brains, students will engage with mathematics in a deeper, more challenging way. The curriculum will explore advanced multiplication, division, adding, subtracting, squaring, square rooting, cubing, and cube rooting. We will introduce major topics from Algebra 1, Geometry, and potentially Algebra 2 to get the math muscles tingling! This class is for kids who are already asking for more challenging problems to stimulate their love of math!!

ADVENTURES IN ART (Linda) (9+) *Art*

The adventures continue with all new projects and materials. Artists can freely express their creativity, inventiveness and wacky sense of humor and aesthetics in this process-focused art class. The emphasis will continue to be on enjoying the ride, letting go of preconceptions, and experimentation.

ALGEBRA (Semester 2 of 2) (Joe) (11+) *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

AMERICAN SIGN LANGUAGE (Erica) (5-10) *Sign Language*

This is an introductory course to American Sign Language (ASL)! Students will get the opportunity to learn a variety of everyday signs. We will explore who uses ASL and some of the aspects surrounding the culture of the Deaf Community. Students will be able to work together in pairs and groups emphasizing non-verbal communication and improving the fluidity of their signing in a fun and engaging way over the course of the semester!

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ANCIENT MESOAMERICANS (Linda) (8+) *Social Studies, Art*

What great civilizations rose and fell from 1200 BCE until the Spanish conquistadors landed on their soil? Who were they and what was life like for them? How do we know so much about this ancient civilization? Through hands on projects and activities, students in this class will immerse themselves into their daily lives, art, religion, government, and architecture of this time!

THE ART OF SUPERHEROES (Tommy) (5-9) *Art*

We are all superheroes, and we all have dreams, imagination, creativity and a love for art and wonder. In this class, we'll combine all of these to create our own characters, stories, worlds, journeys, adventures and even our own universe! Students will share thoughts and ideas, tell stories and create amazing characters. Through our art, we can share these adventures with the world! Grab your cape, and away we go!

ART WITH THE GREATS: RENAISSANCE TIMES (Kimber) (8+) *Art, Art History, History*

Huzzah! With an emphasis on The Renaissance time period, students will learn all about the life and times of famous and inspirational artists of this fascinating period. To learn about different parts of the Renaissance period and its effect on different parts of the world, students will listen to fascinating stories and explore - in detail - the impressive works that represent major Renaissance accomplishments in the separate fields of sculpture, painting, and architecture. Through amazing visual presentations and fun projects, students will delve into cool details about the artists, painting styles and specific techniques in the exceptional works that were created by legendary Renaissance artists like Leonardo da Vinci, Michelangelo, Raphael and Titian. This class also offers opportunities for students to experiment with charcoal, ink, color design tools, watercolors, clay and much, much more. Students will then take what they learn, and combined with these different art mediums, paint techniques and styles, create their own amazing Renaissance masterpieces!

BEACH SPORTS (Jimmy & Bonnie) (8-10) *Sports, Physical Education*

Teamwork, sportsmanship, and a ton of fun in the sun! Welcome to Beach Sports. In this class we take advantage of the opportunity and experience of being so close to the Pacific Ocean here in Santa Monica. This semester will include: Beach soccer, Wiffle ball, Volleyball, Sand one-hand-touch football, obstacles courses, exercises at swings and rings, some basic parkour skills, swimming, boogie boarding, and an intro to surfing. Social-emotional skills honed through teamwork, mind-body connection and motor skills, and the ultimate challenge: being better than you were the time before, make up the focus of this series of well-rounded educational outings.

BEGINNERS CHESS TUTORS (Chess Tutors) (6+) *Chess, Life Strategy*

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BLISSFULLY BURIED IN RESEARCH (Bonnie) (10+) *Research*

Here, we learn the practice of slowing down our Internet Research techniques to find sources that are credible and reading-level friendly. Students will practice sifting through free online databases and become in awe of the primary sources that stare back at them. Class will begin with a shared topic, then students will choose their own based on given categories. Topics aligned with their current class schedules will be highly encouraged. Lessons will be given on developing research questions, taking concise notes, determining credibility, and paraphrasing information. Students are welcome to bring their personal computers to class.

BLOWING UP MATH (Jess M) (5-7) *Math*

Have you ever wondered what your favorite candy bar would look like if it were 10 times bigger? Or 5 times smaller? During this class, we will be exploring ratios, proportion, and measurement. We will then be recreating some of our favorite items as either smaller or larger versions of the original. Who wouldn't love a ten-foot long Snickers bar?!!

BOOK EXPLORERS: THE PEOPLE OF SPARKS (Liz) (8-11) *Literacy*

What do you do when your home has been destroyed and you need to find a new place to live? For the people of Ember finding a new place to live means more than finding a new house, it means learning to survive on the surface after living their lives below the surface. As we read the book together students will take notes on the various themes throughout the book such as family, belonging, work, and empathy. We will also look at the immigrant experience in our own world and see how it compares to the one in the book. Students will need to read outside of class and keep a notebook of their notes.

BRAINS ON: STORIES, CULTURES, AND CRAFTS (Kara) (5-7) *Listening Comprehension, Culture, History*

Ever wonder how different ancient people groups lived? What did Mayans think about the sun? How did different Native American tribes believe the sky was created? In this class we learn how different cultures lived thousands of years ago! From the ancient Greek, to the Inuit people of Alaska, to the Chumash tribe that once lived in the Santa Monica Mountains. We will read stories of different ancient cultures and create a craft to go along with what we learn.

How did the Vikings send secret messages? By norse code!

BUILD YOUR OWN DREAM HOUSE (Linda) (5-11) *Art, Creativity*

Creativity rules in this class as we design and build scale models of our dream house! Whether you always wanted to live in a Victorian Addams Family-style monster mansion, an elaborate modern treehouse, or a hobbit style nature bunker you will get an opportunity to make it a reality on a miniature scale complete with furnishings out of boxes and all manner of found and art materials.

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CALIFORNIA DREAMIN', COME PREPARED WITH YOUR DREAMS (Jean) (5+) *Art*

This class requires sleep! We will keep dream journals and then come prepared with your dreams! We will create art based on your dreams: illustration, collage, sculpture and more. Together we will learn what your dreams possibly mean and what they say about you.

CAPOEIRA (Mestre Batata) (5+) *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.

CASH FLOW DELUXE (Jess M) (11+) *Math, Life Skills*

What's your dream? Freedom of time? Unlimited resources to travel the world? Whatever it may be, CASH FLOW teaches you how to get out of the Rat Race and onto the Fast Track, how to make your money work for you, not the other way around. In CASH FLOW we will use the online game that simulates real life financial strategies and situations. As a simulation, you learn valuable lessons and gain priceless insights into personal finance and investing without having to put your actual money at risk. Developed by Robert Kiyosaki, author of the #1 personal finance book of all time, Rich Dad Poor Dad, CASH FLOW is the ultimate realization of Robert's vision of an interactive tool for financial education, and the fulfillment of his belief that we learn best by doing. In class, we will practice real world investing with play money. Learn the differences between an asset and a liability. Discover the power of understanding your personal financial statement. Choose your dream and learn financial secrets to achieve it! CASH FLOW is an educational game that teaches accounting, finance, and investing at the same time - and makes learning fun!

CELEBRATIONS AROUND THE WORLD (Liz) (9+) *Social Studies*

In this class we will explore how different cultures celebrate the same event. What does losing a tooth look like in Mongolia compared to France? Is it different from what we do here in the United States? Students will explore geography and learn about different countries as well learn how we celebrate life's big and small moments.

CHEETAH CLUB (Bonnie & Jimmy) (8+) *Health & Fitness, Running*

This is The Realm's powerhouse of a running club. Runners get physically and mentally fit as they bound all over Santa Monica's terrain. They learn the values of leadership and teamwork through working up a good ol' sweat. Complaints are trotted over. The hope is that they will remember the therapeutic value of literally putting one foot in front of the other - during times of stress, so that they can refresh naturally.

CHOIR (Do Re Mi) (5-8) *Vocal Technique, Vocal Repertoire*

This class will introduce basics of vocal technique, vocal warm-ups, basic harmonizing and of course versatile repertoire. Songs from popular soundtracks, songs from around the world, songs from the old days... students will be adding new material to their choir folder while building solid musical repertoire and having fun.

CHOOSE YOUR OWN ADVENTURES FOR READERS AND AUTHORS (Jessie) (7-9) *Literacy*

Could it be that easy, you just choose your own adventure? It is if you are fearless and remember it's a process! The blank page is a playground for our feelings and imaginations, a place to explore our inner and outer worlds. With a

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focus on choose your own adventure books, students don't even need to choose just one way for the book to end! Reluctant writers will be inspired by playful exercises that loosen us up to discover the joy of creative writing. We will delve into all parts of the writing process from gathering and developing ideas, to drafting, revising and editing. One-on-one conferences with peer editors and the Editor in Chief will help us fine-tune our skills. We will also dip our toes into the magic of Google Forms as we share our published masterpieces! Are you ready to choose your own adventure?

CIVIL RIGHTS MOVEMENT: PAST AND PRESENT (Kimber) (8+) *History, Current Events*

Students in this thought-provoking class will explore the rich history of civil rights movements through engaging presentations, games, fun projects and group discussions. Students will learn about the adventures of the brave men and women who have led the fight for their own rights, as well as those of others.

With an emphasis on the fascinating stories and significant events of The American Civil Rights Movement of the 1950s and 1960s, students will explore powerful questions like... what was this movement and why is it considered to be was one of the most powerful changes in America? What exactly happened? Who were the heroes and heroines who powered this fight for change and equality?

Through creative projects, students will not only learn about the struggle for civil rights in the US and celebrate the victories- but also think about ways that we all can inspire change everywhere!

COMMUNITY ALL-STARS (Nathan & Jimmy) (9+) *Social Emotional, Project-Based Group Learning*

Our mission in this class is to immerse ourselves into community endeavours, give ourselves to service, and create our own personal value through good deeds, teamwork, and diligent projects. We will be linking up with actual organizations in and around our community to do what we can to contribute. We are reaching out to Heal the Bay, the local Humane Society, Santa Monica Fire and Police, and even local schools to see if they have anything they'd like us to REALMify!

THE CONSTITUTION AND ITS AMENDMENTS (Joe) (10+) *History, Social Studies, Research, Learning & Study Skills*

In this class we'll learn about the Constitution and the Amendments to it. We'll begin with an overview, and then dive in and explore specifics - giving special emphasis to the most significant and sometimes controversial amendments. We'll question and debate, and we'll try to get a handle on what the founders meant, whether or not they were right, what we believe, and how we could make things even better. There will be some listening, some learning, some discussion, and some writing.

CRAFT FAIR FOR A CAUSE (Chie) (5+) *Arts & Crafts*

The kids will be Etsy-level in no time! They'll create exciting lines of everyday products that they'll be selling, and donating all profits to a charity they select. Some examples of products will be sculptures, stitch work, plant holders, body care, and hangers.

CULTURE CREATURES: MAGIC, MONSTERS, AND MYTHOLOGY FROM AROUND THE WORLD (Kimber) (8+)

Social Studies-World Cultures, Literacy, History, Art

Things that go bump in the night can't scare us in this monstrous fun class! The intrigue and possibility of magical and other-worldly weird creatures has always fascinated us. Whether it is fairies, ghosts and spirits, shape-shifting

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humans with supernatural powers, or peculiar beasts of mythology and legend, they all still continue to thrill, entertain, and bemuse us. In this "freaky" fun class, students will discover the power of folklores, mythical legends, cryptids and stories behind the beasts of this world- and the world of our imaginations. Mermaids, sea serpents, dragons, unicorns, griffins, kelpies, banshees, werewolves... and the list goes on and on. There are even parallel sightings or stories of similar creatures in different countries from around the world; students will delve into why the same creatures pop up in the stories of cultures separated by great spans of time and distance. Inspired by super cool stories about fantastic beasts, as well as Greek, Indian, and Egyptian mythology, students will then work on capturing the essence of these creatures through a variety of art mediums and exciting projects. "Culture Creature" art projects include fantasy art paintings, monster mouth bowls and models, dragon eye balls, clay sculptures, masks, games and so much more!

CURRENT EVENTS (Joe) (10+) *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!

DARING WITH DECIMALS (Ryan) (9-10) *Math*

In this class, students will become fluent with decimals, the fractional mathematical wonders that are used everywhere out in the real world. Students will learn exactly what decimals are and how to use them- for example, learning about money and then opening their own store!

DIVERSITY: CULTURES, RELIGIONS, AND SOCIETIES (Gina) (11+) *Social Studies, World Cultures, Tolerance*

Why are cows sacred in India? What do people believe in Senegal? Why do Muslim women wear a headscarf? What is the traditional dress in Indonesia? In this class, we will be separating fact from fiction as we learn about diversity around the globe. We will familiarize ourselves with maps, learn greetings in other languages, and discover new lifestyles and beliefs. This class will serve as a safe space for students to ask without judgement and have rich discussions as they realize just how vast the world is. We will also learn theoretical concepts like political correctness and Orientalism, to help us analyze and deepen our understanding. By learning about diversity, students will develop a more informed worldview and gain respect for their fellow human, no matter where they are in the world!

DRAWING & SKETCHING (Tommy) (5+) *Art*

Having a strong respect and understanding of the process and fundamentals of drawing is essential to becoming a better artist. And what's more fundamental than pencil drawing? There are several styles of pencil drawing techniques. Whether kids want to create stylised or realistic pencil drawings, this class will take their skills to the next level!

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EARLY AMERICAN CRAFTS AND GAMES (Linda) (5-9) *Art, Social Studies*

Come join us for a trip back in time. We will be making and playing our own traditional American games as well as crafts such as spinning wool, crocheting, spool knitting, weaving, quilting, tin punching, quilling, candle dipping, and many other activities to give students a sense of leisure time in daily life for kids in early America.

EGYPTOLOGY (Kimber) (5-7) *Geography, History, Art*

Mummies, Pharaohs and Sphinx... oh my! Ancient explorers in this cool class will head 5,000 years back in time to discover fascinating facts about Ancient Egypt and the incredible culture that left behind amazing wonders. Through fun games, cool stories, visual presentations and hands-on creative projects, students will learn about Ancient Egypt's history, hieroglyphics, farming, medicine, science, sacred animals, and of course, about Pharaohs, Gods and Goddesses. In addition to discovering how mummies were made and exploring the treasures of Tutankhamun's tomb, students will travel along the Nile and explore everyday life of Ancient Egypt - From the laborers and farmers to the skilled artisans and architects who created the awesome works that still stand today, students will delve into many fascinating aspects of Ancient Egyptian life. Inspired by their unique journey into the past, students will then create Senet games, canopic jars, sarcophagi and mummy models, hieroglyphic cartouches and art amulets, masks and more!

ESSAY BASICS 2 (Bonnie) (10+) *Literacy (Fluent 1-3)*

Morning Essay Bootcamp continues. This class reinforces and builds on basic essay writing skills, helping to develop writers' confidences when it comes to churning out papers. We will practice dissecting essay prompts and eloquently delivering persuasive, analytical, problem/solution, and another genre of essay that the students' vote on. More emphasis put on the editing process this time around, as well as students' being able to communicate their own writing goals. A homework practice is an important component to this class; it will be given after every class.

ESSAY ENGINEERS (Bonnie) (8-10) *Literacy*

This is a no-nonsense approach to essay writing. Writers will practice building 5 paragraph essays, using writing resources, and pushing their writing muscle to its fullest potential. Their writing stamina will increase through increased independent writing time with one on one conferencing and group stylistic mini lessons. They will learn the vocabulary needed to produce impressive papers and become inspired to show-off their own growing vocabularies. Both homework and a commitment to staying organized are key to this class.

EXCURSIONS (Semester 2 of 2) (Jess M & Joe) (12+) *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 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. Closed to new students.

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EXTRA! EXTRA! THE REALM TRIBUNE (Gina) (8+) *Literacy, Art, History*

The REALM is now going to have our very own newspaper! In this class, students will start out by learning about the history of news and what goes into creating a newspaper, including how to differentiate between credible sources, conduct meaningful interviews, learning how to be a journalist, and how to edit. This class will utilize each student's passions and they will apply for the jobs that interest them most. We will look at global, local, and in-house news to develop our writing, reading, history, and art skills.

FASHION DESIGN: GARMENT MAKING (Dawn) (8+) *Fashion Design*

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

FIBER ARTS, DYES, AND WACKY WEAVING (Kimber) (8+) *Fiber Art, Art*

From tie-dyeing and batik, to screen printing and fabric painting, students in this crazy fun fabric class will explore a variety of visual and wearable art, cloth and canvas decorating from around the world. In addition to different kinds of weaving, students will experience different types of fabric painting techniques- including Shibori shape-resist, Arashi pole-wrap, Kumo pleat, and bind dyeing. Resist dye technique projects include Indonesian Batik, Nigerian Yoruba Adire Eleko cloth art and screen printing. Using Indian wood blocks and personally carved creations, students will also experiment with hand printed designs. And of course, we can't do any type of cloth decorating without exploring groovy 60's tie-dyeing. Throughout this fun class, students will create their very own wearable art with tote bags, t-shirts, shoes and scarves, and be... a gorgeous walking, talking fiber art exhibit!

FOCUSED FRACTIONS (Ryan) (8-10) *Math*

Students in this class will learn exactly a fraction is and how to apply them in the real world. The goal is for students to truly understand what a fraction represents, and therefore be able to use them with accuracy and confidence! We will explore fractions in a hands-on way, writing problems down and further developing number penmanship. We will also explore fractions through kinesthetic activities such as play dough creations, paper fraction kits and more.

FICTION LITERATURE CIRCLES (Bonnie) (11+) *Literacy*

This will be a low-key class, where we delve into deep discussions about literature. Drawing from the canon of short stories recommended for Middle Schoolers, we will engage in honest discussions that crack open the deep and mysterious vault of literary components. Readers will practice constantly referring back to the text, to get them into the habit of formal literary analysis. There will be gentle artistic and poetic assignments that lend themselves to the works, and some structured literary analysis' paragraph writings. The main goal is active conscientious discourse. Students should expect a small amount of homework.

FOLKLORE FROM AROUND THE WORLD (Liz) (10+) *Literature, Culture*

Weasels that knock you over and scratch your legs, giants that become whales, kings with horse ears.....The world is filled with stories that intrigue us and make us laugh. In this class students will travel the world to learn the stories of various cultures. What do these stories tell us about the culture that created them as well as what do they tell us about ourselves? Students will create their own book of folklore with stories they learn and stories they create.

GEOMETRY (Semester 2 of 2) (Joe) (11+) *Math*

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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.

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GOJU RYU KARATE (Sensei Mallica) (8+) *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.

GOOGLE DRIVE (Joe) (11+) *Communication, Computer Skills, Written Composition and Presentation*

In this class students will develop skills using internet apps and utilities to improve productivity and workflow. Special emphasis will be placed on written composition formatting - character and paragraph styles, heading types, bullets and numbering, use of tables, page numbering, etc. We'll also explore spreadsheets, forms, and charts.

We'll also strategize productive internet usage, and gain exposure to great infosources, websites, etc.

GRAPHIC NOVELS (Brittany) (10+) *Literacy*

For students who are interested in the combination of creative writing and visual art, this class will engage them in the process of brainstorming and creating their own graphic novel. A graphic novel is a book-length comic, or a story told with a combination of graphics (images) and writing. We will take a look at graphic novel material to discuss the dynamics of the genre, style, elements, and format. Students who have already taken a semester of graphic novel writing and want to continue their creations and advance their skills can also join the class.

GRITTY SURVIVAL STORIES (Liz) (9+) *Literacy*

What would you do if you were stranded on a desert island? Lost in the woods? Caught in an avalanche? In this class we will read stories, both fiction and non-fiction, of people who have survived circumstances that hopefully most of us will never experience. We will read these stories and explore what in the human spirit allows people to survive these conditions. We will also explore survival techniques, such as building a lean-to, purifying water, and how to signal using a mirror.

HAND SEWING, EMBROIDERY AND MORE! (Kara) (5+) *Sustainability, Fine Motor Skills, Creativity*

Start with an idea, thread and needle and let's go! Join a circle of fun as we learn the basics of threading needles, selecting string lengths and knotting and progress into types of stitches. We will also learn the basics of embroidery, crocheting, and knitting! Seasoned sewers may work on shirring, gathering, pleating, drawn thread, doll making, advanced hemming or other techniques. Students are welcome to bring their own ideas and work at their own paces.

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What did the tailor think of her new job? It was sew sew.

HIKERS CLUB & CITY TREKKERS - ADVENTURERS & EXPLORERS (Nathan) (8+)

Geology, Geography, Physical Education, Social Emotional

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! This semester we will be exploring the city as well as the countryside! We will visit museums, cultural centers, downtown districts, and historical buildings while rotating in unbelievable hikes every other week or so. We will be splitting hikers' club/city explorers into two groups: Adventurers (Thur) and Explorers (Fri)! 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 Skull Rock, Sandstone Peak, and Vasquez Rocks. 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!

THE HISTORY GAME (Joe) (8+) *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 1950-2000.

HISTORY OF ARCHITECTURE: PYRAMIDS TO SKYSCRAPERS (Linda) (7+) *History, Architecture*

Beginning with pyramids, temples, and shrines of ancient cultures we will explore the architecture throughout history. We will explore the technological advances as well as aesthetics that defined each period including Classical, Byzantine, Romanesque, Gothic, Renaissance, Baroque, Art Nouveau, and Art Deco to a look at what inspires modern architects today.

THE HISTORY OF CALIFORNIA (Linda) (7-9) *Social Studies, Art*

From the first indigenous Californians, Spanish colonial times, the Gold Rush, Hollywood and Silicon Valley we will look at the people, technology, natural disasters and politics that shaped the Golden State. Through models, pop up time-line books, collage, comic strips, dioramas, letter writing, skits and games we will explore the people and events from the first people to present day.

THE HISTORY OF MEDICINE (Linda) (8+) *Social Studies, Science, Art*

Our understanding of disease and medicine has metamorphosed through many developments in our comprehension of how the world works. As new technology emerges and gives us a closer look into how the human body and our environment interact, we reach new and deeper understandings. For thousands of years, medicine men and women from cultures all over the world treated disease as a spiritual problem. But they also used herbs. And many of those

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herbs worked! We will look at the inventions and turning points throughout history in our constant quest to conquer death.

HOW TO LIVE LIKE A JEDI (Jimmy) (5-11) *Creative Play, Mindfulness*

Best class ever. This class features life lessons through creative free play with discipline. 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 we go deeper into the Jedi Code of even-mindedness, service, honesty, courage, peacekeeping, discipline, and feats of heroism. Students receive their own Jedi names and virtue - something they are good at but also have to work on - and learn Jedi Sitting Ready, Jedi Standing Ready, and Jedi Saber Ready. They go through trials designed to challenge and strengthen their inner resolve and allow them increased capacity to bring that resolve to the world. Through the creative free play and fluid storyline, students work with the dark and light within to become their best Self. Teamwork and calmness are accentuated on the Jedi Knight journey. May the Force be with you.

THE HUMAN BODY: WHAT CAN GO WRONG (Linda) (8+) *Science*

This physiology class examines pathogens (bacteria, viruses, prions, fungi, and various parasites) and how they affect the human body. We will also explore the many levels of protection our bodies employ to protect itself as we study the immune system. We will do this through hands on activities and model building. We will be seeing many pictures of what it looks like when invaders get the upper hand (This is not a class for the squeamish)

HUMANITY AND THE RIGHTS OF PEOPLE (Kimber) (7+) *History, Current Events, Politics, Art*

This class explores a powerful topic: what exactly are Human Rights? Students in this class will tackle this huge question while exploring the concepts of equality, dignity, respect, non-discrimination, and participation.

Students will learn about historical pivot points for human rights, and will discuss freedoms and rights specific to expression, age, race and heritage, religion, disability, gender and sexual orientation. Students will then use their incredible imaginations to find ways to help inform and protect everyone's rights. Projects include writing a children's book, creating a community art poster, group presentations (poem, rap, song, skit or choice of art form), various drives/in-action projects and a group collaboration on an art piece-mural depicting human rights messages.

INVENTOR'S WORKSHOP (Kimber) (9+)

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

JOURNALING: THROUGHOUT HISTORY TO THE PRESENT (Brittany) (8+) *Literacy*

Students will examine Journals from the past and see how they have shaped culture, history, and the human story. Students will explore self expression through various journaling activities that involve a mix of writing, drawing, collage, and other artistic styles. They will engage their creativity, discover ideas, and cultivate self awareness, as we participate in exploratory exercises and learn strategies for creative expression.

JOURNEYS: ENTREPRENEURS (Nathan & Jess M) (10-11) *Research, Community-building*

Journeys is an inspired and 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.

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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.

JUNIOR TECH: DIGITAL CITIZENSHIP AND ARTS (Digital Dragon) (5-8) *Technology, Art*

Technology and the arts combine in this session! Students receive repetitive, early exposure to the digital canvas--exploring storytelling, sound design, interactive media, and art--in order to learn to express themselves with today's emerging technological tools. They will also practice basic computer skills like keyboarding and mouse controls, and talk about what it means to be a good digital citizen--how you present yourself and keep yourself safe in a digital world.

JUST CAUSE (Brittany) (8-10) *Activism, Social Studies*

Students will have the opportunity to explore what social justice causes they care about and are interested in advocating for, whether it be human, animal, or environmental. We will discuss key social justice movements and students will then choose a movement to focus on for a project. Using the book "You Are Mighty: A Guide to Changing the World" students will learn tips and strategies for engaging in activism and will also learn about young activists out in the world who have helped to create change.

LA TRAPEZE SCHOOL (Trapeze School) (8+) *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 June 2nd. 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!

LA VANGUARDS (Chie & Kara) (10+) *Social Studies, Adventure*

Join us this semester as we focus on the DTLA Flower District! We will be journalists - asking questions, taking notes, and photo-documenting our visits of the various businesses and people that make our Flower District in downtown Los Angeles so great. We'll also be taking note of the food and culture around us. We will explore and most importantly learn to feel confident getting to know new parts of the city.

LAB DABBLERS: SIMPLE MACHINES (Nathan) (5-9) *Science, Engineering*

We are going to be builders. First and foremost our class will focus on the construction and use of different machines. We will also spend time researching the conception, practical application, and future of different families of machinery. Our students will be challenged to follow specific directions, use tools appropriately and safely, and demonstrate/acknowledge the pros and cons of the type of technology/machinery that constitutes each project. We will start with the simple machines and work our way up from there! The sky's the limit!

LEADERSHIP WORKSHOP (Fabiana) (8-11) *Leadership, Cooperation, Teamwork*

This class will be a student lead session where the instructor acts as a facilitator to guide, inspire, and help bring projects to life. Each student will have the opportunity to come up with a project on their own and share it with the group, which, in turn, will work as a team to develop and produce the selected projects. This selection will be a

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collective decision. Projects may include improving the school and community or helping someone in need, among other things.

LEMONADE STAND AND OTHER ENTREPRENEURIAL ENDEAVORS (Nathan) (5-10) *Math, Practical Life Skills*

Ever dreamed of opening up a lemonade stand? Our little entrepreneurs will have their chance! We will be opening up our own businesses in this class. Our focus will be on accounting, making a great product or service, and working together to create a dynamic and aesthetically pleasing business atmosphere! This class will be opening up their store in the town of REALM-ville at the end of the semester!

LIFE ON THE MOUNTAIN (Kara) (10+) *Outdoor Education, Sustainability, Culture*

How did people survive life on the 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 ethno botany 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. More information of the events to come.

Did you hear about the mountain joke? It wall hill-arious!

MATH ARCHITECTS AND ENGINEERS (Dawn) (5-7) *Math*

Math is in buildings all around us. This class will have students learning area, perimeter, circumference and how they relate to different buildings and structures. We will explore here in Santa Monica, different buildings of interest across the globe, and then eventually, use our math skills to develop our own structures! A prior knowledge of addition, subtraction, multiplication, and division will be necessary to really benefit from this class.

MATH DETECTIVES (Michelle) (5-7) *Math*

Psssst...Did you know math is everywhere?! This class will look into different ways we use math in the "real world". Through games, projects, and exploration, we will use our detective skills to solve math problems for the day-to-day issues that arise. Grab your spyglass and a calculator!

MATH FOR STANDARDIZED TESTS (Joe) (11+) *Math, Test-taking Strategies*

There's a certain amount of wisdom into knowing when to apply the stratagem, "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 MAVERICKS (Gina & Ryan) (8-9) *Math*

In this class we will be hammering home all the basics: adding & subtracting, multiplying & dividing. We will kick it up a notch in each of the categories as the semester progresses to really make sure the students understand everything thoroughly from every direction. We will incorporate some daily real life examples from time to time so they can get ready for the future!

MEGA MATH (Jess M) (7-8) *Math*

During this project based learning class, we will go over the nitty gritty of basic math skills. We will be covering number sense, place value into the millions, geometry, word problems, multiplication and division, odd vs. even, measurement, elapsed time, money, fractions, decimals, and graphing. Time to get serious about your love of math!!!

MELODY IN MY PAINTBRUSH (Kimber) (5+) *Art*

Dance a paint brush across a canvas! Given a variety of fun art tools and mediums, the freedom to express themselves- and using different kinds of music to inspire and move them, students in this wildly creative class will create magical pieces of art! From classical and jazz to samba and techno, from Celtic chill to African tribal beats, students will explore a wide range of tempos and musical genres, and let the music move them to create a variety of different forms of self expression, art and paintings. Students will discover music's emotional power and gain an understanding of how much of a role emotion plays in art making as they create their own masterpieces based on feelings. Musical tempos can also influence the thickness of a line, the dab or drip, the slash or dash of a paint stroke, or the light or dark in a color. Get ready to express your inner self while dancing to the beat!

MEMORY (Joe) (8+) *Problem Solving, Analytical Thinking, General Knowledge, Learning Skills*

In this class, we'll learn and practice improving our memories with various methods and techniques - new methods and challenges each week. As the semester progresses we'll build and build on what we've done and see how many things we can commit to memory and learn to take charge of the things we remember and the things we know, as we begin to understanding what understanding can be - and of course know what it is to know!

MENTAL MATH 1 (Joe) (5-7) *Math*

Prerequisite = Some experience with counting, addition and subtraction

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.

MENTAL MATH 2 (Joe) (8-10) *Math, Problem Solving*

Prerequisite = Some experience with multiplication

Please review the Spring 2019 Class Schedule for age ranges of individual classes.

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.

MENTAL MATH 3 (Joe) (10+) *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.

MESSY MAYHEM (Kimber) (5+) *Art*

In this class, art, imagination, and energy collide, in a delightfully messy fashion! Where else can a kid create their own art and building materials- splash, spray, drip, smear, rip and experiment with all kinds of materials- and develop their own Masterpieces? Students will play and work with a variety of different "substances" and art combinations to create textural and structural art, experimental mixed-media pieces, and anything else their imaginations dream up!

Throughout this Messy Mayhem class, students will be given the freedom and space to explore the creative possibilities- and all the while... not be concerned about creating a mess. What happens when you bounce a paint covered ball on a canvas? What happens when you drip a little of "this" and mix with a little of "that"- and then add a dash of the "other"? This class will also include spray paint and beautiful fluid art using "fill", "pour" and "flip" techniques. And of course, this class wouldn't be complete without some huge, Jackson Pollock-inspired splash and drip paintings.

MICH HOUR (Ryan) (5+) *Independent Math*

This class provides expert support for kids who are working on an individualized math curriculum. Whether they are working on online programs such as Khan Academy, Splash Math, IXL, or a store-bought math workbook, this tutoring session will help develop skills and confidence!

THE MIGHTY BOOKWORMS AND ULTIMATE AUTHORS (Jessie) (6-8) *Literacy*

As our blossoming readers and writers transition from "learning to read" to "reading to learn," reading comprehension and writing craft take center stage. Students will learn to monitor their comprehension using fun

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strategies and helpful tools that can be applied beyond the classroom. Learning to engage with text as readers will also inspire our growing writers as we study the craft of mentor authors in powerful children's literature. We invite students to dive a little deeper into your reading and writing life, and to empower themselves towards independence!

To support our study of *Self*, our writers' workshop will shift its focus to personal narratives and memoirs. We will gain a new awareness and appreciation for the small everyday moments of our lives that are worthy of an "author's eye" retelling. Published authors will be our mentors as we share books that ignite our memories of people, places and events that have helped to shape our young lives. We will explore memories connected to emotions as we practice telling "the inside story," stretching our writing with vivid detail. To support this delicate stage of a writer's growth, we will explore the parts of the writing process, providing helpful strategies for gathering and developing ideas, drafting, revising and editing. We will also foster connection as we share our human experience stories in our writers' circle.

MIGHTY MATH (Nathan) (5-7) *Math*

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

MINDFULNESS AND MEDITATION (Jimmy) (5-9) *Mindfulness, Social-Emotional*

Studies from UCLA to Harvard continue to show the numerous ways Mindfulness and Meditation benefit human beings. Yet let's let go of the studies and find out for ourselves if it works - let's practice! Students will get in touch with their relationship to themselves, the world, and others by practicing Mindfulness and Meditation. We practice consciously, intentionally getting in touch with - and letting go of - the body, the senses, and the mind. We meditate in silence, if even for a short time, and we do guided meditations most facilitated by Jimmy and some by the students themselves! Class also includes: Zen shorts, social-emotional troubleshooting, "council", situational ethics, positive self-talk, PBS (Pause, Breathe, Smile), and being in the present moment.

MIXED MEDIA (Tommy) (8+) *Art*

This class takes kids beyond the mere visual, and into a tactile art adventure! Students will create wonderful, multilayered works of art using pencil, crayon, colored pencils, paints, charcoal, clay, markers and more. Find out which media work best for you, and remember- there are no mistakes!

MUPPETS, PUPPETS & CRUMPETS (Linda) (7+) *Art*

This class is more about the muppets and less about the crumpets. In the spirit of Jim Henson we will create elaborate muppet-type puppets of our own. We will inspire ourselves with his work from Sesame Street, The Muppets, and The Dark Crystal. When completed we will learn to operate our own muppets and give them personalities and voices!

MY MAGICAL JOURNAL (Brittany) (5-7) *Literacy, Writing*

Students will explore self expression through various journaling activities that involve a mix of writing, drawing, collage, and other artistic styles. They will engage their creativity, discover ideas, and cultivate self awareness, as they participate in exploratory exercises and learn strategies for creative expression.

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NOVEL TEA: OUT OF THE DUST/INSIDE OUT AND BACK AGAIN (Liz) (11+) *Literacy*

Have you ever read a story told through poems? This semester's books focus on the two young girls as they deal with unexpected changes to their lives. In *Inside out and Back Again* a young girl must flee Vietnam as the war draws to an end. In class we will look at how free verse is used to tell her story. We will also investigate the country of Vietnam and look at how it was affected by the war. The book *Out of the Dust* is another free verse book about a young girl during the Dust Bowl. Students will explore her experience as well as the history of the Dust Bowl in America. We will then bring these stories into modern times by looking at the current experience of immigrants.

OLD FASHIONED GAMES AND CRAFTS (Chie) (5+) *Crafts & Games*

Let's get out the Pick-Up Sticks, play some Bingo, and have Sack Races at the park! Each week kids will be having fun learning some of your favorite childhood games and crafts.

PAINTING WITH TOMMY (Tommy) (10+) *Art*

Tints, tones, shades, basic color mixing, textures - an artist could take a lifetime exploring colors! Fear not creative kids, it doesn't take any special skills to start! All you really need are some supplies, imagination and the willingness to have fun and make a mess. Get ready to go with your feelings and express who you are or what you love on paper or canvas.

PHILOSOPHY: WHAT DO YOU THINK? (Joe) (11+) *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.

PHOTOGRAPHY: LIFE THROUGH A LENS (Denise) (11+) *Photography*

In this hands-on class students will explore different genres of photography while using their cameras to express and document their creative vision through their lens. Students will learn camera basics, composition, lighting and visual storytelling. We will be taking pictures outside on location and inside the classroom with professional lighting, simulating a studio environment. Each week students will have a gentle critique and at the end of the session students will pick their favorite images to be printed and framed.

Students need a digital camera with a fully charged battery and an empty memory card. If they don't have a digital camera, a camera phone will suffice.

We will be taking a lot of pictures outdoors. Please have your child wear comfortable shoes and bring a jacket on cool days.

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PLAY-DATE (Jimmy) (5+) *Social/Emotional, Creative Free-play*

Join us! Be part of the Crew for Play-Date Tuesday afternoons at The REALM. Play-Date is for kids to really bond and learn to love and respect themselves and others. They will get social-emotional guidance while they form a team, bond, and create as they go. This class sets the intention of connection and holistic growth for all who join. The kids are nurtured as they navigate and create various missions and enterprises. Our container is our togetherness and well-being while we exercise the freedom to create together and as Krishnamurti suggests learn to "think together."

POETS, PENS, AND PARCHMENT (Brittany) (8+) *Literacy*

Robert Frost said, "Poetry is when an emotion has found its thought and the thought has found words." Poetry is a meaningful way to explore ideas and perceptions about life and the world. In this class we will both read and discuss poems, and students will also write their own with the opportunity to engage in various poetry prompts, styles, and formats.

POLYNESIA (Linda) (5+) *Social Studies, Art*

This class will offer an art-based exploration of the indigenous cultures of the Pacific islands of Polynesia, including art, folklore, religion, ceremonies, clothing, shelter, and history.

PRE-ALGEBRA (Semester 2 of 2) (Joe or Ryan) (10+) *Math*

In Pre-Algebra, students will develop an understanding of more advanced arithmetical operations. Students will learn how to work with fractions, decimals, and percentages. New topics will be introduced each week and will be supplemented and reinforced through hands-on exercises including games!

Other concepts taught in this class include: 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).

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

PROFESSOR EGGHEAD'S INVENTORS (Professor Egghead) (5-9) *Science*

This session, students become real-life inventors on Professors Egghead's team as they experiment with awesome inventions like helicopters, hovercraft, rockets, and catapults - and learn the science behind what makes them work! Then they'll create their very own inventions to take home at the end of each class. All Eggheads will get their Inventors ID card and at the end of the session, students will receive their degree proving they're ready to go out and invent something amazing on their own!

QUEST: KIDS OUR AGE (Jess M & Gina) (12+) *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

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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, we will explore how students and children between the ages of 12-14 live both around Los Angeles, California, the United States, and then in other countries, all the way to third world countries. We will find pen pals, research, visit places around LA, use virtual reality to travel to foreign countries, and then potentially curate our own fundraisers to support an organization that would be applicable to a situation of our choice. Field trips will possibly include: adoption agencies, Children's Hospital, juvenile hall, virtual reality center, low income schools, Upward Bound House, Westwood Transitional Living Village, Salvation Army Children's Home, Museum of Tolerance, and more.

QUILT GUILD: PATCHWORK PEOPLE (Kara) (9+) *Quilting, Sewing*

This class is an advanced sewing class open to children who completed the fall semesters Quilting Bee who wish to make their own compositions or follow a pattern or historical block. Skills taught will include: process for drawing up your own composition (on paper and freezer paper) replicating more complex historical quilting blocks, reading intermediate patterns, and turned edge applique. This class will include some examples of quilts throughout history that may relate to their project, as well as short instructor led sewing demos. The time will be primarily spent with teacher support while students work semi-independently.

RADDISH KIDS COOKING (Talia) (8+) *Cooking, Health, Nutrition, Life-skills*

Welcome to our first Raddish Kids cooking class with a delightfully "Realm-y" twist! Each week the kids' taste buds will come alive as they indulge in their culinary curiosity. In our Raddish Kids Garden Party we will learn about a new fruit or vegetable each week. We'll learn about different cultures and the history of the various meals and ingredients we prepare. Students will explore math, science, and geography - all mixed into exciting and nutritious cooking lessons that they will enjoy sharing with family and friends!

*All Garden Party recipes will be vegetarian-friendly. However, this class is **not recommended** for students with food allergies.

REALM CARNIVAL AND ARCADE (Jess M & Gina) (8+) *Math, Writing*

Whatever happened to the days of dropping quarters in arcade games for hours? The arcade has slowly been disappearing over the years, but once they were magnets for kids and adults of all ages. Video games changed and knocked out the arcades, but what if we brought them back? What if we let students redesign and rethink the arcade? What if we asked students to create their own version of an arcade? REALM Arcade does this. It asks students to design their perfect arcade. This project integrates elements of planning, design, and organization with cross curricular activities for students to develop and design their own arcade. At the end of this project, students will have a completely developed unique and personalized place too.

REDISCOVER: A HOME EVERYWHERE (reDiscover & Kara) (6-9)

Science, Engineering, Creativity, Sustainability, Carpentry

Have you ever wanted to build your own table, chair, or rocking horse? In this class we will be traveling to the

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reDiscover Center to help develop creativity through hands-on making with sustainable materials. The students will learn how to build furniture and home décor with the help of reDiscover and REALM teachers. Students over the age of 7 will be trained to use various power tools. Students will design and create their furniture with the help of an older power tool trained student or teacher.

Here kids will discuss what elements are needed and wanted in a home and make versions that could exist in different locations.

reDiscover curates upcycled materials reclaimed from the waste stream for innovative programs combining art, science, and engineering. Their Tinkering programs gives children the tools and materials they need to build, the freedom to fail, and the time to pick themselves back up. It's instructors are passionate tinkerers themselves. They teach children how to use tools, work individually and as a team, and translate their imaginations into physical objects.

What did one wall say to the other wall? I'll meet you in the corner!

REDISCOVER: ARCHITECTURE THROUGH THE AGES (reDiscover & Kara) (10+)

Science, Engineering, Creativity, Sustainability, Carpentry

Ever wonder how homes are built or how different power tools work? In this class we will be traveling to the ReDiscover Center to learn how different buildings are created. Students will learn how to use power tools to create an architectural design all by themselves! Students will build their designs in a hands-on approach using sustainable materials.

Research and build models of structures that might exist in different time periods, paying special consideration to the considerations for human use. Finish by making a futuristic structure.

reDiscover curates upcycled materials reclaimed from the waste stream for innovative programs combining art, science, and engineering. Their Tinkering programs gives children the tools and materials they need to build, the freedom to fail, and the time to pick themselves back up. It's instructors are passionate tinkerers themselves. They teach children how to use tools, work individually and as a team, and translate their imaginations into physical objects.

What building in Santa Monica has the most stories? The public library!

REDISCOVER: MODERN CITIES BUILD (reDiscover & Gina) (7-12) *Science, Engineering*

Build a model city, complete with buildings, utilities, lighting, water, gas, transportation, etc.

reDiscover curates upcycled materials reclaimed from the waste stream for innovative programs combining art, science, and engineering. Their Tinkering programs gives children the tools and materials they need to build, the freedom to fail, and the time to pick themselves back up. It's instructors are passionate tinkerers themselves. They teach children how to use tools, work individually and as a team, and translate their imaginations into physical objects.

Please review the Spring 2019 Class Schedule for age ranges of individual classes.

RELAXATION AND MINDFULNESS TECHNIQUES (Fabiana) (8-11) *Mind and Body Awareness, Health*

This class provides children with the tools to help them be more aware of their inner and outer worlds, build confidence, develop focus, and treat others and themselves with the respect and appreciation for who they really are. We will work with a variety of relaxation, breathing and mindfulness exercises that include creative visualization, guided meditation, sensory and emotional awareness, and concentration skills.

ROCK CLIMBING: SENDER ONE (Kara) (8+) *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. Advanced students will increase their climbing skills and agility by practicing and pushing themselves to be better climbers. Students will focus on honing in techniques and challenging their abilities with hard problems and increasing the grade on their routes.

How many climbers does it take to screw in a light bulb? One. And 9 others to cheer them on!

ROME (Jimmy) (10+) *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 likes of such historical figures as Caesar, Augustus, Ovid, Cleopatra, Marcus Aurelius, Hannibal and so on. We will investigate the culture and practices of early Romans and compare them to today's values and practices, especially in present day America. Art, architecture, city design, music, food, religion, and yes, government and military will be delved into. Students will consider what worked and what didn't - what lessons we can glean and incorporate into today's world. This is an extra fun history class which will involve projects by the students.

SELF REFLECTIONS THROUGH ART (Jean) (5-9) *Art*

A variety of art projects based on self-reflection. Lots of meditation and serious thought about one's character, actions, and motives going on here!

SEXUAL DEVELOPMENT AND HEALTHY RELATIONSHIPS (Christina Stein, PhD) (11+) *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 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.

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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.

SHOW CHOIR (Do Re Mi) (9+) *Vocal Technique, Movement, Performance*

We will introduce the most interesting repertoire that will call for swing, movement, and other forms of creative expression. Combine it all with beautiful singing, and you've got a show choir! Students will showcase their beautiful talents at a performance at the end of the semester!

SPANISH LEVEL 1 (Kallpachay) (9+) *Foreign Language, Spanish*

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

SPANISH LEVEL 2/3 (Kallpachay) (5+) *Foreign Language, Spanish*

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

SPORTS CLUB (Jimmy) (5-8) *Sports*

Welcome to REALM Sports Club. Time to get some exercise and have a field day! Teamwork and Sportsmanship are the themes from which we never waver. Class-flow includes stretching, some jumping jacks and a short run, some fundamentals, and then - usually everyone's favorite - a scrimmage! Soccer, One-hand touch football, Wiffle Ball, and Basketball are our main sports with the occasional Obstacle Course. Athletics and Social-Emotional meet here at Realm Sports Club. We also study talk about our favorite sports team and how they are currently fairing. Life lessons galore inform our discussion and our play. Look this semester for a community trip to an LA Pro Sports game.

STAR NINJA WARRIORS (Coach Courtney) (5-9) *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.

STOP MOTION CREW (Digital Dragon) (9+) *Art, Computers, Film*

Digital film production is for students interested in progressing through the journey of making quality video content. Working together as a miniature production lab, students will flesh out a variety of projects, from initial pitches to story drafting, and on through filming and editing. The class will allow students to try a multitude of roles that exist in the filmmaking process: director, writer, cinematographer, and editor. Green screen techniques, lighting, camera

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composition and more are all technical skills that will be covered. Each crew will customize their stop motion project based on their creative aspirations and artistic design, some mediums could include: 2D paper animation, LEGO characters, clay, or drawing animations.

SUPERSTAR NINJA WARRIORS (Coach Courtney) (9+) *Physical Education*

FLIPS & TRICKS! Super Star Ninja Warriors have successfully shown they have mastered the basics of being a Ninja Warrior. Now athletes will learn more advanced skills as Superstars. From front flips and backflips to swinging and jumping over obstacles, these athletes will learn what it takes to train to be a real Ninja Warrior.

TEAM ROBOTICS AND FREE BUILD (Digital Dragon) (9+) *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. This class includes some “free-build” time, so kids can challenge themselves.

TECH TYCOONS (Digital Dragon) (10+) *Graphic & Game Design, Business*

In this program students will be immersed into the creative and entrepreneurial endeavor of creating a company with the mission of leveraging current digital tools. Working in teams, students will create a company logo and digitally design branded materials. The culminating milestone of this first phase would be to present their idea to a mock board of financial backers. The next phase will focus on programming an interactive experience to create awareness for their business. The platform for this would be in the form of a 2D video game. The last phase of the program is to design a website which will contain their interactive project from phase two, and design other marketing materials such as pamphlets, t-shirts, and promotional door hangers.

TOMBS, TEMPLES, AND TREASURES (Kimber) (5+) *Social Studies-World Cultures, History, Art, Geography*

Through visual presentations, stories and dynamic projects, students will discover incredible ancient temples and tombs from across the globe and learn about their fascinating histories. Of the structures that still remain today, many of the most spectacular are the ancient places where different cultures worshipped their Gods and buried their dead. How were these built? What are the stories of temple curses and tomb booby traps? How did the statues, decorations, jewelry and other found treasures express the different cultures' beliefs? What was daily life like back then? From Neolithic Stone Age tombs to Egypt's pyramids, students will be inspired by the meanings and artistic expressions of these treasures, and through a variety of projects and art materials, create their own beauties.

TRAVELING AMERICA IN AN RV (Gina) (8+) *History, Social Studies*

Young travellers, get ready for an adventure! Before we embark on our journey, we will select our most prized possessions and choose an RV that suits our travel needs. We will begin our journey in California and make our way through each of the 50 states of America, learning about the culture, nature and history that characterizes each state. Students will reflect on the practicality and sustainability of tiny home living and will document their thoughts with frequent postcards home. While we make our way through the country, we will encounter all sorts of mishaps like flat tires in Nevada, hurricanes in Florida, and bear encounters in Alaska. Students will be researching states,

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writing diary entries, presenting interesting information, and balancing their budgets as they go on this trip of a lifetime!

URBAN ART & MURALS (Tommy) (6+) *Art*

Urban arts provides opportunities for contemporary young artists at The REALM of all ages to work together to create larger and even public works of art! Students will take trips around The REALM's community and learn to understand and appreciate the urban art that surrounds them. Then, students will plan and create their own murals!

VISIONARIES (Jimmy & Bonnie) (8-9) *Research*

It's a student driven semester...Wild-Card style. In this experiential in-depth course, kids will work through the challenges of working collaboratively, Day 1- They will vote on a collective research topic from a choice of three. Once the decision is made, students will come up with a plan to create our Visionaries' experience. This includes: booking field trips, guest speakers, and keeping a schedule (time management). Students will choose the culminating project for our family event that reinforces The Visionaries' mission- to be tuned in to the future. This course is an ideal bridge for independence.

WHAT'S THE STORY? A REALM NEWSPAPER (Liz) (11+) *Literacy (Fluency 3), Current Events*

In this class, we will be playing the journalist as we research, read, interview, and write. We will explore concepts and ideas around journalism like free speech, new media, and bias. We will read a variety of media, understanding the different ways journalists deliver their messages, and students will use what they learn to craft their own article. We will interview, write and edit, going through the whole journalistic process to best deliver our message.

WHO AM I? SELF DISCOVERY AND SELF EXPRESSION THROUGH ART (Kimber) (8-10) *Art, Self-Exploration*

Art enables us to find ourselves and lose ourselves at the same time. - Thomas Merton

Students in this fun, experimental class will experience artistic rites of passage- a growth of self awareness and expression through all forms of art, including artistic journaling, graffiti, collage, ripped and mixed media, encaustic and photo transfer creations. Students will explore the role of art in self discovery and gain insight into their own identities. They will create visual expressions of who they are, of their growing strengths, of their values, and just whom they strive to become. This unique class offers kids a rare opportunity to explore and experience growth and courage in the creative process- and really express themselves!

WINDJAMMERS SAILING (Windjammers & Kara) (8+) *Sailing*

Our program emphasizes SAILING! Each student will be on the water the very first lesson, with the instructor alongside in a coach boat. Students will learn how to purposely capsize their boat, and then recover their boat, and bail the water out. This is consistently the most popular lesson in the program. Tacking (zigzagging left and right towards the direction of the wind), is the first sailing skill to learn. There are 5 steps to executing a good tack. When the students have learned to sail upwind, they learn how to sail downwind. What goes up, must come down. Gybing involves turning the boat left and right with the wind coming from behind.

Please review the Spring 2019 Class Schedule for age ranges of individual classes.

In the beginning, students will be on the water 1 on 1 with the instructor. As the class progresses, more students, each in their boat, will sail. The “sailing pizza” will teach the students the different “points of sail”. Don’t sail into the anchovies! Students will learn how to, and be responsible for, rigging and de-rigging their boats. Learning knots, the names of the parts of a boat and rigging, and the names of the parts of a sail are just part of the fun.

We begin by sailing only in the finger in front of our dock. As the students progress, we sail in the basin, then in the main channel. When we can sail upwind across the main channel to the gas dock (where the store sells ice cream), and then downwind back to the dock, we have really accomplished something. Students learn to work together to make rigging and sailing easier. When the wind gets too high, we often take a tour of the marina using one of the coach boats. Our priorities are, in the following order: Safety, Fun, Education.

WONDERS OF THE WORLD AND WORLD GEOGRAPHY (Nathan) (8-10) *History, Social Studies, Science, Engineering*

Who doesn’t love the mystery of history! Some of the most amazing structures and places to ever exist are the ancient seven wonders of the world! In our class we will dive into the famous seven while searching for and discovering other amazing places/sites as well. Our journey through history will cover magical places, significant historical events, world shaping technology, and lead us to some of the most ambitious projects, past and present, in human history!

THE WONDERS OF WOODWORKING (Sylvia) (5-10) *Woodworking, Crafts*

Children learn the basics of woodworking! The combination of woodworking and art encourages concentration, problem-solving skills, fine motor coordination and stimulates creativity. The kids experience the joy of creative expression, become creative thinkers and develop confidence with these hands-on experiences. Give them the opportunity to explore something new in their lives.

WORD MASTERS (Joe) (11+) *Literacy, Spelling, Vocabulary, Word Origins*

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 Allstars will have an opportunity to really build their vocabulary to high-school and adult level. We’ll explore more words and roots and see how far we can expand our working word bank!

WORD PROBLEMS (Joe) (10+) *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

WORDS & GRAMMAR (Joe) (8-10) *Literacy*

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What is language? Where do words come from? What is grammar and why does it matter? In Words and Grammar class students will explore these questions and begin to discover the underlying history and logic of language. We'll learn about different parts of speech, the essential structure and elements that make up sentences. We'll expand our vocabularies with the introduction of new words, and we'll get a grip on nouns, verbs, adjectives, adverbs, prepositions, and pronouns. We'll practice writing and composing sentences, and most importantly, we'll discover that words and grammar can be fun - that's why they call it wordplay - not word work!

WORLD HOPPERS - GEO FUN (Jimmy) (5-7) *Geography*

Welcome to Geo Fun! We will study geography and cartography - the science of maps - in Geo Fun. From working on memorizing United States' capitals and European country capitals to looking at world-wide latitude and longitude plots, we will jump into map-making. Kids will chart their own maps with rivers, forest, and roads. We will look at old atlases and how advanced online maps have become. We will also look at skillfully chartering trips and travel.

WOVEN WORDS (Jessie) (5-6) *Literacy*

Wonderful words are everywhere- we speak them, we read them, we write them! This understanding empowers our young learners to move towards independence. This two-day per week class will give students the opportunity to put their new skills into practice with more literacy exploration stations and “just right” books. Students will build knowledge of letter sounds, sight words, concepts of print, word decoding, and story elements with read-alouds, poems, songs and games. We will grow our listening comprehension, conversation skills and our love for books by reading about characters who remind us of what it means to be human.

To support our study of *Self*, our youngest writers will learn to capture their fondest memories in pictures and words. Students will go from mark making to storytelling as they learn to think like authors who see life's everyday moments as reasons to pick up a pencil. Our youngest writers will explore the writing process: gathering ideas from our lives, getting our thoughts on the page, stretching our stories long and strong, making our writing readable and sharing our personal stories with the special people in our world. Word study sessions will encourage writers to use their brave spelling as we gain a command of sound patterns and sight words. We will grow our library while exploring the glorious connection between reading, writing and communicating.

YOUNG NOVELISTS...FOR SERIOUS WRITERS (Gina) (10+) *Literacy (Fluency 3)*

Pens at the ready! This class is for those of us with a story that we are simply itching to tell. In this class, we will learn creative writing techniques that will add color to our writing, create irresistible characters, and mold an enthralling story plot. Throughout our novel writing journey's, we will also learn the art of editing through respectful peer reviews and sharing of work in a workshop style manner. By looking at the examples of famous novelists and mastering writing tools, we will plan, draft, and write (and one day even publish) our novels!
