

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

ACTIVISM (Brittany)

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

ADVANCED WINDJAMMERS SAILING (SMWYC) *Sailing*

We are very happy to present our 2017 Fall Sailing Program in cooperation with the REALM Academy. Our program emphasizes having fun while learning to sail and once students have learned to sail we focus on the joy and adventure of sailing! Along the way we introduce STEM topics creating a deeper understanding of how the wind, sails and water interact while sailing.

Our advanced sailors (continuing and experienced) will:

- Spend as much time on the water as possible sailing and exploring Marina del Rey.
- Be challenged in faster and more powerful boats as conditions allow.
- Learn some of the finer points of sail trim, working their sail like a wing on an airplane.
- Learn concepts such as lift and drag and how they affect the boat above and below the water.

All 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 or a sail on our 22' keelboat. Our priorities are, in the following order: Safety, Fun, Education.

ADVENTURES IN ART (Linda) *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.

AGE OF EXPLORATION (Nathan) *History, Geography*

We will follow the main characters in the Age of Exploration: Vespucci, Magellan, De Leon, Columbus, Diaz, Drake, Pizarro and others to see how the western world was invaded, dominated, and cultivated by Europeans. We will begin this class by looking at the indigenous peoples in North and South America and investigate which European explorers affected which areas, how they affected each area, and why certain areas are the way they are today because of the actions of these explorers. Our class will be introduced to Incan, Mayan, and Aztec civilizations, their customs, traditions, and geographical locations. We will work to understand the transformation of the Americas from those societies to the ones we know today.

ALGEBRA (Semester 2 of 2) (Joe) *Math*

In Algebra students will really begin to discover some of the exciting things math can allow them to do. Students will begin using all the arithmetic skills they've been developing over the past few years to begin solving riddles and

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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

ALGEBRA: WORD PROBLEMS (Joe) *Math*

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

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

Topics and concepts covered and additional resources are available at www.joesclasses.wordpress.com

ALL ABOUT ME MATH (Jess M) *Math*

Are you ready to learn all about yourself and the numbers associated with YOU?? We will be exploring age, shoe size, birthdays, people in our families, letters in our name, height, weight, circumference, favorite numbers, miles we live from various locations, pet's ages, time we perform certain tasks, states we've visited, and so many more exciting "me" numbers.

ANIMAL ART (Tommy) *Art*

Design the world's greatest living animals.

Get inspired by your favorite **animal** artwork. Explore, drawings, paintings, illustrations, sketches and creative writing. Story telling. Some **animals** are expressing their own creative abilities through **art!** Example is African elephant who loves to paint.....

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A zebra isn't just black n white like an elephant isn't just grey...it is any color you want it to be.

ART OF ANCIENT CIVILIZATIONS (Linda) *History, Art*

The impulse to create art is a universally human trait from early history to present. It is a way to document the human experience at that time and place, the values of that culture, and those of the artist. We will take an artistic journey to discover many ancient cultures such as Egypt, India, China, South America, Africa, and the Classical period of Western Europe, creating our own pieces inspired by artists of the past.

ART WITH THE GREATS: PORTRAITS (Kimber) *Art, Art History*

Mirror, mirror, on the wall... When was the last time you really looked at yourself, inside and out? Self-portraits have been a method of self-exploration since humans first gazed at their own reflection in a pool of water. While experimenting with various styles and many cool new art mediums, students in this dynamic class will use self-portraits as a way of expressing various aspects of themselves and their identities beyond the surface of their physical appearance - Looking at themselves in the mirror in preparation for creating their self-portrait can be an opportunity to reflect upon what makes them unique and special, both outside and inside. And as Pablo Picasso said "Are we to paint what's on the face, what's inside the face, or what's behind it?". Some very cool projects are planned for this fun class, including an amazing abstract piece. Students will also view great artist's self portraits, investigate why artists make self portraits and like detectives, examine and analyze visual clues that reveal information about the subject of the portrait, as well as the culture and times in which he/she lived - Self discovery through the ages! And how do we draw a face? Students will explore techniques for drawing facial features and work on proportion, structure and how to visualize the head from every angle. Students will then start their very own adventure, using several different styles and mediums, and create their own versions of themselves. Beautiful!

ARTFUL ANTICS: ART WITH AN EDGE (Kimber) *Art*

Artistic play with a purpose! Students in this fun, edgy class will explore a variety of art mediums, texturized mixes and layering materials to create unique art pieces; Students will be encouraged to experiment and then create expressive artwork with different surfaces and layers of loveliness Exploring a variety of techniques, we will work on wood, paper and larger-sized canvas using hand-made materials, acrylics, texturized paints, oil paints and paint sticks as the main mediums. Layers and "building" mediums used will include gesso and glues, encaustic wax, tar-like mediums, oils, alkyds and enamels. Students will also experiment with different combinations and art effects using a variety of items like salt on drying watercolors, melted wax with paint or shredded plastic in glue. Once the surface is created, students will then continue their artistic expressions and dig, scrape, carve or score into it and create finished masterpieces. Pure joyful art in process!

BEACH COMBERS (Joe) *Marine biology, Natural Science, Aesthetics*

There are many wonderful things about Southern California, but none more wonderful than the beach. For those of us lucky enough to get to spend time on the beach, a great way to make it even more special is to learn a little about it. The shore is a remarkable ecosystem, where land and water meet, terrestrial plants and animals - ourselves and others - overlap and interact with marine plants and animals, as well as the amazing life that inhabits the "intertidal zone". Birds frequent our beaches as they migrate along their various routes. The currents and tides carry flotsam to our shore. The unique weather patterns along the beach - from morning fogs to afternoon breezes and occasional violent storms - all have to do with the shore and how water and land and air all interact. We'll explore

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some of the many remarkable aspects of the beach as the opportunity presents itself in between just walking along the shore, exploring and having fun!

BEACH SPORTS: VOLLEYBALL, PARKOUR, SOCCER AND SURFING (Jimmy & Kara) *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. Volleyball, beach soccer, obstacles courses and exercises at swings and rings, some basic parkour skills and swimming and surfing provide students with fun and learning in one. 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. Also, we'll get a good tan. :)

BEATNIKS - CITY POETS (Jimmy) *Literacy, Poetry*

Following the success of Bold Poets Society, Beatniks: City Poets takes the relationship of heart and blank page out into Santa Monica. From Dogtown Coffee to Hotchkiss Park and all around we take the time to experience the city, get some writing in, and share accordingly while studying some of the great poets from Emily Dickinson to Marshall Mathers. Something about the setting inspires the heart to open and our class will go out and experience the writer's life. We will work with stream-of-conscious writing, writing lyrics, writing in specific verse, Haiku, literary device, working with getting out the various emotions, and getting closer to our true selves via the writing process. The pen is mightier than the sword, poets unite.

BLOGOSPHERE (Salma) *Literacy, Writing*

Each of us have so much to say, but expressing it coherently is a craft. In this class, each student will create their own blog site from scratch, identify goals for their blog, whether it is to persuade or entertain, and develop blog posts about topics they are interested in. We will be looking at examples of other bloggers and learning various writing tools that will help us communicate what we want to say in the most engaging way. We will look at blogging as a form of new media journalism and learn what exactly it takes to write for the 21st century audience. Get ready to express yourself, discover your passions, and share your writing with the world!

BOOK EXPLORERS: NUMBER THE STARS (Liz) *Literacy*

Fiction books are a wonderful way to help students understand historical events. In our Book Explorers class we will be reading the book *Number The Stars* by Lois Lowry. This story brings the very large scale event of World War 2 down to a personal level by telling us the story of Annamarie and Ellen. Annamarie lives in Denmark and her family takes in a young Jewish neighbor, Ellen. Each week students will read a few chapters of the book and we will use history, literary analysis, and wiring to enhance our understanding of the story. Students will come away with a greater understanding of this event as well as an understanding of the various literary techniques used in the book.

BRANDING, MARKETING, LOGOS AND MORE.... (Tommy) *Art, Marketing*

Brand yourself. Do what you love to do and learn how to market yourself, your idea and get it out to the world, make it your own, there are no mistakes in art, but let's say there are, some of those mistakes have turned out to be some of the greatest ideas and creations we know today. And ART is a perfect way to do this. Take it from someone who is a true artist and makes art and logos for a living.

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We all have this creative ability in us. Even though it may seem odd to you, branding actually begins with you—and the persona, culture and your outlook on life. The way you present yourself to your family and friends. The things you like to do, love to wear, places you go, everything about you is your brand. Be funny, candid, inspirational, shine and show who you are and what you love. Take something and make it your own.

Go forth and prosper! Be the change you want to see in the world

CASH FLOW II- STOCK MARKET (Jess M) *Math*

What's your dream? Freedom of time? Unlimited resources to travel the world? Whatever it may be, CASHFLOW 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 CASHFLOW, 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, CASHFLOW 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, write resumes to apply for higher paying jobs, learn about credit and debit, pay taxes, and even invest our money in the stock market! Discover the power of understanding your personal financial statement. Choose your dream and learn financial secrets to achieve it! CASHFLOW is an educational game that teaches accounting, finance, and investing at the same time - and makes learning fun!

CELEBRATIONS AROUND THE WORLD (Liz & Salma) *Social Studies*

How do you celebrate your birthday? What is your family's tradition when you lose a tooth? Come with us as we go on a global adventure to see how the world celebrates special occasions. We will be tasting foods, making crafts, and making a journal to keep track of all our new celebrations. In the end we will create our own REALM celebration.

CHEETAH-WOLVES CLUB (Bonnie) *Health & Fitness*

This pack is fierce. Time to run. That's what The Cheetah-Wolves do. This class promises to teach the power of always finishing what you start. We take off as soon as the whistle tweets and move our legs until the class period is up. Runners build individual self-esteem and group esteem; we cheer each other on and are there to push and pull until the end. Season 3 promises to deliver lots more smiles and feelings of accomplishment. Let's go.

CHESS MASTERS (Chess Tutors) *Chess/Life Strategy*

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

Phase I of our program is actually a 32 week intensive program broken up into four separate 8 week segments designed to immerse and fortify your child in the fundamentals of chess and ChessLife Strategies™, the life skills component of our teachings. Should you maintain your child's presence in our program for 32 consecutive weeks,

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we will do our part to ensure that they finish this school year confident and proficient chess players and—most importantly—as more measured and reasoning young boys and girls.

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

CHOIR (Elise) *Music Performance and Theory*

Do you have a kiddo who just LOVES to sing? Then the Do Re Mi Children's Choir is THE place to be! Children will learn how to navigate their voices, develop their ear, and create music as a group in this fun-filled musical jamboree! In addition, your child will learn the basics of music theory and solfege, all while singing the hip, catchy tunes of today!

CHORUS (Jess M) *Music*

Do you have a kiddo who just LOVES to sing? Then choir is THE place to be! Children will learn how to navigate their voices, develop their ear, and create music as a group in this fun-filled musical jamboree! In addition, your child will learn the basics of music theory and solfege, all while singing the hip, catchy tunes of today!

CITY TREASURE HUNT (Kara) *Exploration, Orienteering, Outdoor Education*

In City Treasure Hunt, we will explore all the hidden treasures of Santa Monica as well as find the super hidden treasures located around Santa Monica called Geocaches. Students will decipher clues to find caches that hold little trinkets and prizes. Students will work together to create a Realm geocache to hide somewhere around Santa Monica along with riddles and maps.

CLASSIC CARD GAMES (Jess M) *Math/Logic*

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

THE COLLECTIVE (Jimmy) *Mindfulness*

An extension of Spring 2017's Realm-wide mornings with Vicky and Jimmy, the Collective is focused on the big, over-arching life lessons and character building of the whole person. With mindfulness as the essential component we take time for self-exploration and examination of the journey of life. Situational ethics, Golden Rule, resiliency, relationship to family and friends, overcoming adversity, and staying centered are topics which come up in this

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special time for social-emotional learning and growth. If we have a good foundation as a person the rest of life falls into place. Please join us in this time of togetherness in the Spring of 2018.

COLLECTIVE CREATION: MAKE A PLAY WITH KIDS ON STAGE (Kids on Stage) *Theater*

Calling all actors, singers, dancers, musicians, composers, designers...anyone with an inkling to be involved in the creative process. This collaborative project will ignite and engage each participant's passion. Bring in your ideas and talents. Experience improv games, storytelling, script writing, and acting techniques in this non-competitive and inspiring class which ends in an original showcase open house.

COMPARE AND CONTRAST WRITING (Bonnie) *English/Language Arts*

Writers will delve into the complicated structure of communicating similarities and differences. They will expand their compare/contrast vocabularies to craft impressive papers and engage in brainstorming activities that get juicy details flowing. All topics will center around real world scenarios. Along the way, students will engage in active sophisticated research. Expect a reasonable amount of relevant homework.

CONNECT THE DOTS (Joe) *General knowledge, Info-synthesis, Logical reasoning*

This is a new class this semester. The intention is for students to gain skill in seeing how various information and concepts can have associations and applications in wide-ranging and unexpected places. Each week we'll look at a new topic - just a little mini-lesson about something interesting - we'll challenge ourselves to find connections to see how we can fit in the new topic or idea, with previous topics - we'll keep track and see if we can eventually fit it all together.

In addition to that weekly exercise, we'll begin building our knowledge base, with the intent of broadening our range of understanding - the more we know, the more we'll be able to know - the more connections we'll be able to make. We'll be doing this via a game we've been developing over the past couple semesters - the rules and flow are still evolving, but it involves "People," "Event," and "Thing" cards, which outline brief bits of info about significant people events and things - players try to make connections between the cards.

CULTURES OF THE WORLD (Rubeth)

Every country has it's own traditions and we will discover them through our senses. We will visit Asia, Africa, North America, South America, Europe, Australia, and Antarctica. Kids will take a look to the amazing cultural expressions and traditions outside their environment.

CURRENT EVENTS (Joe) *Political Science, Economics, 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.

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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!

EARLY ENTREPRENEURS (Jess M) *Math, Writing*

Have you ever wondered how to set up a lemonade stand or a small business but you weren't sure how to get started? Well, this is your class! Grouped by ages, we will be creating our very own small businesses, fundraising to supply them, and running them for our peers and parents! Bonus- we can practice our money math skills at the same time! Come set up shop with Jess and run your business in REALMville!

EARLY READERS - SKILL BUILDERS (Debbie) *Literacy*

In this biweekly class, students will participate in an independent reading workshop. Each workshop has a predictable structure; Mini-lesson, Independent work time with instruction, Mid-workshop teaching and Share time. The teacher will model and teach the habits and strategies of good readers. Skills taught include word study (phonics), sight word recognition and reading strategies (predicting, questioning, summarizing).

EARTH WATCH: URBAN RECYCLERS (Kara) *Sustainability, Environmental Education*

What happens to our trash and recyclable materials? How long does it take for objects to decompose? What are some ways we can repurpose recyclable materials? In Earth Watch, we will learn all about what happens to our trash and how to reduce our waste. We will take trips to the city dump and various recycling centers to get a first hand look at what really happens to our trash.

ENGINEERS AND ARCHITECTS: CITY PLANNING (Linda) *Science, Art, History*

What is important to consider when planning an urban community from scratch? We will discover how people have answered this question from ancient greece to modern times and then answer for ourselves as we plan, design and construct our own model city. We will consider the environment, the climate, transportation, energy needs, water needs, waste management, aesthetics, recreational preferences, sustainability, and other needs of the community in our designs.

ESCAPE ROOM LOGIC PUZZLES (Jess M) *Math/Logic*

Are you ready to play a physical adventure game where players solve a series of puzzles and riddles using clues, hints, and strategy? Do you enjoy the adrenaline rush of completing tasks in a limited amount of time? Games are set in a variety of fictional locations, such as prison cells, dungeons and space stations, and usually the various puzzles and riddles themselves follow the theme of the room. Escape rooms are great activities for students because they rely on team building exercises, while at the same time, working through logic puzzles! We will be spending a few classes on each escape room, working in teams and small groups, until the puzzle has been solved. Are you ready to escape, or will you stay trapped in the REALM FOREVER?????

ESSENTIAL QUESTIONS (Joe) *Philosophy, Logic, Rhetoric, Communication, Literacy, Info-synthesis*

Which are there more of - questions or answers? Does every question have an answer? Do some questions have more than one answer? Do some have none at all? Do all answers have a corresponding question? This class is going to explore questions - what they are and why we have them. We'll ask questions - mostly we'll ask the kinds of

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questions that have more answers than answerers. We'll learn about ourselves as we go - we'll ask, what are some questions we haven't thought of before? And then we'll think about them.

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

EUROPE: A BACKPACKER'S GUIDE (Jimmy) *Travel, History*

Yeah, Let's Take a Trip! In Europe: A Backpacker's Guide we will design specific would-be trips for each student based on where they would like to visit. The class will research and study different cities and countries, with their respective cultures and histories. We will pick apart exchange rates with different currencies, using phone overseas, using credit card and debit card overseas. Students will look at travel options with apps such as 'Rome 2 Rio' comparing costs, time of travel, and cost-benefit for getting to and from a destination by plane, train, bus, or even ride-share. We will look at cost-benefit of Air BnB versus Hostels or working in staying with friends and family. Hint: where is the washer and dryer? We will also practice packing light with our single backpacks keeping the pounds low. They say travel is the best teacher, and we will look at why that is truly so.

EXCURSIONS: NEW ZEALAND (Semester 2 of 2) (Jessie & Joe) *Travel, Research*

This class is closed to new registration.

EXPLORATORY MATH - KNOTS (Joe) *Math*

How do you tie your shoes? What is a knot? What makes a knot a knot? What makes one knot different from another? This class will focus on knots. We will tie knot after knot after knot and see what we can discover. Exploratory Math - Knots will involve a lot of self-discovery and exploration. We will look at how math is actually at the heart of knot-tying, and how we can use math to categorize and work with knots. Mostly we'll practice - and get really good at - tying knots. It's going to be fun!

EXPRESS YOURSELF - MULTI-MEDIA, ASSEMBLAGE, COLLAGE AND ARTISTIC JOURNAL ART (Kimber) *Art*

This highly experimental class is all about the fun exploration of self expression through unique surface creations and new art mediums and techniques. Students will work on creating different surfaces and layers of beautiful textures and colors- with peek-through areas that reveal messages and glimpses of "true self". While exploring a variety of techniques, including gelli-plate printing, assemblage and collage, students will work on wood, journal books, paper and larger-sized canvas. Using glues, acrylics, oil paints, sprays and paint sticks as the main mediums, the middle to top layers of these special pieces will include papers, found objects, photographs, poetry and forms of "graffiti". True colors shining through!

EXTREME ART (Tommy) *Art*

Let's go to the next level, using anything we can find to make our own art. Look around you, there are materials everywhere to use and I will show you how. We will also use all the mediums available to us. Crayons, paints, chalk, pencils, and more. We can even make our own canvases. Don't hold back! With art, there are NO LIMITS.

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FALL FORWARD: ART (Tommy) *Art*

“Why do we fall, so we can learn to get back up.”

Explore with me, and identify your particular gifts/ talents no matter what they are and move forward with them, — Never be discouraged. Never hold back. Give it everything you’ve got. And when you fall, fall forward.”

Embrace your own failings or “fallings”. Learn from them but move on and don’t look back. Consider the future, your future and FALL FORWARD. We all fall, and it’s Ok, but lets learn to accept it. If you don’t fall, then you aren’t trying. So fall forward and give it your all. It’s ok to strike out, get a bad grade, embarrass yourself, everyone is bad at something and everyone FALLS. Lets laugh it off together and keep going forward...together.

Take risk, while it might be scary at first, it will also be rewarding. Be willing to take chances, you can only learn from them and we will do this together as a class, as a family. We will fall forward together.

FUEL AND AEROBICS FOR THE BODY (Bonnie) *Health & Fitness*

4 more, 3 more, 2 more, Last One.....It’s 80s style aerobics! We will grapevine and hamstring curl the time away. Participants will sweat through choreographed routines that burn and strengthen those bods. They will learn the importance of proper form and be reminded to listen to their bodies, so that they last a long long time. Each routine will include a healthy warm-up, stretch, cardio, and strength component. Bring Water Bottles.

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

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

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GLEE DRAMATICS...OLIVER TWIST A NIGHT IN LONDON (Kids on Stage) *Theater*

LET YOUR INNER ACTOR COME ALIVE IN A KIDS ON STAGE PERFORMING ARTS CLASS. Work with a theater professional and experience theater games, acting, singing, dancing, learning to hit your mark and more. Classes foster teamwork, brainstorming, confidence and self-expression by tapping into each player's natural storytelling ability. The session ends with an open class presentation. Our Oliver Twist theme MAY include songs such as; "Food Glorious Food," "Where is Love," "Consider Yourself."

GLOBAL EXPLORATION - GEOGRAPHY AND ART AROUND THE WORLD (Kimber) *World Cultures, Geography, Art*

The adventure continues! Welcome to the "Wonderful World of Art", where the exploration of our world's countries, cultures and creative expressions come together in a beautiful mix! While exploring geography and

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"traveling" through different countries around the world (different each session), students in this fun Cultural Art Adventure class, will have a unique opportunity to experience and then create many kinds of arts and crafts from across the globe. Through exciting hands-on projects, entertaining stories and visual examples, students will discover that these expressions of creativity from each country are as different as the people themselves. While creating their own masterpieces, students will have fun exploring the similarities and differences of these cultural artistic expressions. Art can be used for so many things... for functional everyday items, decorations or body adornments... as an expression of self, as well as an expression of a country's personality, beliefs, values and cultural identity. What do we all have in common? What is "normal"? What is "beautiful"? Students will be challenged to think about acceptance and tolerance, and that what is unique or strange to one may be "normal" or "beautiful" to another. Taking inspiration from interesting environments and colorful cultures, students will then create, build and decorate different kinds of vibrant functional, wearable and decorative art. And let's not forget about the artistry of food... so yes, this class will also do a special cooking project. Other projects and cool multi-cultural creations will include Nigerian Yoruba Adire Eleko cloth art, Japanese block printing, Torres Strait Island Masks, "People Parade" Dolls Around The World project, Instrument- and a variety of body adornments and jewelry, textile art and folk art from around the world. Mediums explored will include painting, papier-mâché sculpture, molding, printmaking and clay.

GOJU RYU KARATE (Sensei Vassie) *Physical Education*

Discipline, attentiveness and fun are our goals in the kids karate program. Your child will practice in exercises that will develop physical strength and agility or mental capacity – through running, jumping and playing.

Karate promotes healthy physical and mental activities for your child. It is fun because the students are learning through play and discipline. Your child/teen will advance when he or she is ready and we make sure that your child/teen prepare through practice and games.

HAND SEWING AND CRAFT BONANZA (Kara) *Sustainability, Creativity, Fine Motor Skills*

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. 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.

HIKERS CLUB - TREKKERS, EXPLORERES, ADVENTURERS *Physical Education, Outdoor/Environmental Education*

Build strength, endurance, and general knowledge of the natural Southern California environment through gentle to moderate hikes and organized play in the beautiful outdoor arenas of southern California. In addition to hiking, we will be learning about different local fauna and animals along some of the most beautiful trails in area.

HISTORY DNA - AUTHORS (Joe) *History*

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

- Louisa May Alcott

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

- Jane Austen
- Miguel Cervantes
- Geoffrey Chaucer
- Charles Dickens
- Fyodor Dostoyevsky
- Arthur Conan Doyle
- Alexandre Dumas
- Nathaniel Hawthorne
- Ernest Hemingway
- Washington Irving
- Herman Melville
- William Shakespeare
- Harriet Beecher Stowe
- Leo Tolstoy
- Mark Twain
- Voltaire
- Virginia Woolf

HISTORY GAME - 1900-1970: THE BIRTH OF THE MODERN WORLD (Joe) *History*

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

Each class session will begin with a brief mini-lesson or quiz, followed by a review of previous week's topics, and then we'll play the game.

This semester we'll be looking at World History during the period from 1900-1970.

THE HISTORY OF FASHION: 1900-PRESENT (Linda) *History, Art*

It has been said that fashion is a reflection of our time and political culture. How did a women's movement, two world wars, a great depression, prohibition, the civil rights movement, the counterculture and other significant historical events influence and reflect in the fashion of each era in the United States? We will explore the events of the time and the main characteristics of the period in men's and women's clothing through sketches, collage and creating our own accessories.

HOP, SKIP, JUMP: DOUBLE DUTCH, CHINESE JUMPROPE, HULA HOOP AND MORE (Chie & Kara) *Physical Activity*

Let's bring it back to old school park games! Kids will learn to double Dutch, Chinese jumping, pogo stick, hula hoops, hand games.

HOW TO BE A JEDI IN LIFE (Jimmy) *Mindfulness, Creative Play*

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

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

continuing adventure (but open to new students) we go deeper into the Jedi Code of even-mindedness, service, honesty, courage, peacekeeping, discipline, and feats of heroism. The Jedi Order demands the highest principles and teaches children how to be good citizens in the world. From lightsaber skills to meditation to cooperative games, these Jedi in training learn how to use The Force inside them for the good of all. We immerse ourselves in the imaginative story line with our Jedi names and summon our 'best selves' in thought, word, and action. Teamwork and calmness are accentuated on the Jedi Knight journey.

HOW TO BE A PERFECT STRANGER (Liz & Salma) *Social Studies*

In our world we encounter many different cultures and religions. In class we will be exploring religions of the world. We would look at the history and belief system of the religions. We will explore common imagery and symbols used by the religion as well as the holidays and traditions. All of this will be brought together so that students will come away with a fuller understanding of the religion. We will complete each study by inviting a person from that faith community to come and speak with the students.

HUMAN BODY (Linda) *Science*

This is an anatomy and physiology class for beginners. Beginning with the skeletal system and working our way out we will add to our life size models as we learn the structures and functions of the different organ systems that run the human body.

HUMAN BODY: FIVE SENSES (Linda) *Science*

We will investigate the sensory organs that connect us to our environment and discover the mechanisms that make sight, hearing, smelling, tasting and feeling possible. We will build models of the human eye, inner and outer ear, tongue, nose and the sensory nerves in the layers of human skin. We will also conduct experiments to increase our understanding of the anatomy and physiology of these organs and how they transmit the stimuli to the brain.

HUMAN BODY: THE BRAIN AND NERVOUS SYSTEM (Linda) *Science*

The brain may be the single most important structure in the human body. It controls thought, emotion as well as basic functioning of the rest of the body. It is a complicated and sometimes mysterious organ comprised of many parts with various functions interacting to operate the complex human organism. We will investigate the structure and functions of the brain and nervous system through the creation of models as well as experimentation and games.

HUMAN PROGRESS: PROS AND CONS (Kimber) *Science, History, Speech-Debate*

Students in this unique class will explore the history, importance and role of science, technology and progress, as well as the impact and consequences on society. The use of technology to improve the quality and convenience of life has obviously been good but what about the negative consequences? When we weigh the pros and cons of progress, do we really come out ahead? Through lively discussions, fun research projects and exciting games, students will explore all sides of specific "advances" and other new possibilities. What are the best choices? What will the future hold? To name just a few topics... sources of energy, genetically modified foods, human cloning, mutating microorganisms, brain scanning, cameras everywhere, extreme robotics... whew! What about the negative effects of global warming and climate change? Are these developments really for our good or are they becoming a threat to us? And what better way than to "argue" the pros and cons of progress than through a contest of words; In

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

In addition to exploring the benefits and detriments of specific issues, students will also be introduced to the art, rules and strategies of debate. If you only had a certain period of time to "convince" people about your side of an issue, what would you say? Watch out parents! Watch out world!

INSPIRED BY GREAT AUTHORS (Salma) *Literacy, Writing*

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

INTRODUCTION TO TRIGONOMETRY (Joe) *Math*

Usually trigonometry isn't taught at the middle school level, but we have a few students this year who are ready to take on the challenge. This class is being offered as a once-per-week class so we'll see how much ground we can cover - I anticipate it continuing second semester. We'll begin with basic trigonometric functions and relationships, we'll look at the unit circle and how that relates, we'll look at curves and inverse functions and how to use these relationships in algebraic equations. I think it will be a lot of fun and we'll see how far we can get.

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

A JOURNEY THROUGH A BOOK: MY FATHER'S DRAGON (Liz) *Literacy*

Does your child still love to listen to you read aloud? In this class students will gather together and listen each week as we move through My Father's Dragon. My Father's Dragon is about a young boy that goes to rescue a baby dragon, using only the household items he packed in his backpack. Each week we will be writing in our journals and keeping track of our thoughts. We will also be learning how to turn what we hear into a visual image for better comprehension.

JOURNEYS: ENTREPRENEURS (Nathan & Jess M)

Journeys is an inspired, adventurous, learning community. Each semester the theme will guide the exploration. This spring, students will be diving into the world of entrepreneurs. They will saturate themselves with experiences, observations, encounters, and information to help them internalize how businesses are built and run. From this saturation period, students will search for what inspires them. Then, they will dig deeper into research while designing creative ways to showcase their knowledge and insights. Prepare for exciting excursions out in the world, insightful discoveries, research development and mini-lessons, and a memorable event and showcase! It is mind blowing goodness. This class has a supplemental fee.

JR. GAME DESIGN (Digital Dragons) *Game Design, Programming*

Young students will learn the fundamentals of game design through 2 iPad-based programs. The first, Scratch Jr., uses simple drag and drop blocks to make interactive programs. The second, Bloxels, uses various color blocks and a physical board to create a video game by scanning the board to generate a playable level.

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

JR STUDENT GOVERNMENT (Jimmy) *Political Science/Committee*

Here rests our future - the REALM Student Government in Training. Tomorrow's leaders will gain the basic footing of working together for the betterment of the whole. Introduction to democracy and Robert's Rules occurs in a safe atmosphere. Events for the Realm community are spear-headed. Note-taking, being fiscally responsible and following an agenda are involved. Teamwork exercises on the regular - this REALM class brings the students together. Kids learn to voice opinions and respect others opinions and even work on that age old art of compromise. A Cabinet elected from within with rotating positions learns to put differences aside and function in a way which keeps service forefront. Watch out Student Government, Junior Student Government is on your heels and, although will be helpers where we can be to the efforts of the Student Government, will also be working for positive change at our beloved REALM Academy.

KERBAL SPACE PROGRAM (Digital Dragons) *Rocket Science, Engineering*

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

KINDER ROBOTICS (Digital Dragons) *Robotics, Technology*

This class for young students will focus on robotics. Students will make simple, automated devices, experiment with line following robots that respond to different colors, and move on to the Lego® WeDo kit--an introductory robot kit that allows students to program robots with a simple drag and drop programming language. Previous REALM students will encounter brand new activities and robotics kits while first time students will learn the basics. Fundamental STEAM concepts such as collaboration, investigation, and problem-solving will be fostered while introducing engineering and technology skills that lead to more advanced systems in higher education.

KINDERTECH: ARTS AND TECH (Digital Dragons) *Digital Art*

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

LA VANGUARDS - LIVING DIVERSITY (Chie & Nathan) *Cultures*

Get to be a part of the hustle and bustle of downtown Los Angeles. Our downtown is alive with diversity, art, creations, and food. The flower, garment, arts, toy, Chinatown districts and so much more!

We will visit each district and dive into learning about what it takes to thrive in the city, where does the stuff go, and where is it all coming from. We will check out some of the older restaurants and the new ones, trying foods from all over. The kids will have a budget for shopping on certain days.

We will have a base station over looking all of downtown and start our walk from there. This class has a supplemental fee.

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

LAB DABLERS: CURIOUS CHEMISTS (Nathan) *Physical Science, Chemistry*

Chemistry experiments and chemical reactions. This class will literally be performing experiments every week. We will detail each experiment, document our results, and dive into how chemicals react to each other and why. Students will have an opportunity to safely navigate the world of tiny unseen chemicals, their properties, and manipulate them to create specific results.

LAB DABLERS: INVENTOR WHO? (Nathan) *Physical Science*

Who invented what and how did they go about figuring it out? Inventions always start with a question before escalating into a lengthy experimentation phase. We will research inventors, recreate inventions, and use the scientific method to succeed and fail the same way as some of the most famous inventors in history. Some of the popular names we will research are Benjamin Franklin, George Washington Carver, Thomas Edison, and Nikola Tesla. Students will search for inspiration to come up with their own inventions which will be revealed at the inventors trade show (aka the Open House)!

LEGO ROBOTICS (Digital Dragons) *Robotics, Engineering*

Take your knowledge of programming and Lego engineering to solve challenges from past FLL competitions. Themes of FLL challenges involve some of the major issues facing humanity today (trash/recycling, communication, water, animals, etc).

LIFE ON THE FARM (Nathan & Kara) *Practical Life Skills, Earth Science, Environmental Education*

The best way to really understand what life on a farm is like is to actually live and work on a farm, so that's what we are going to do. This class will revolve around our overnight multi-day trip to a working homestead where students will get their hands dirty, earn their sleep, and find out what it really takes to be a farmer. In addition to our overnight farm trip we will be visiting an urban local farm and learning the differences between the two farms. Students will be taking notes and pictures of their journey in this class and filling a scrapbook with memories that will last a lifetime. We will be choosing a crop and a farm animal and following their journeys to the table tops around the world. Our class will study methods for farming and raising livestock, humane treatment and the overall efficiency of farming in relation to world hunger. We will study our crops and our livestock at the farm as well. Prior to our adventure we will focus on preparing for life on the farm by diving into the life of a farmer from an outside perspective. After our adventure, we will see how much we were really prepared, if our methods for preparing were even close, and describe what we learned and how we can implement these lessons into our lives.

This class has a supplemental fee.

LITERARY GAMES (Salma) *Literacy*

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

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

LOGIC PUZZLES & BRAIN BENDERS (Kimber) *Math, Critical Thinking, Logic*

Students will jump right into a puzzler's paradise in this exciting and mind-stimulating class, presented through a collection of fun logic puzzles, games, riddles, mind-blowing optical illusions and compelling stories! Parents and teachers will know that, as scientists report, brain teaser games can improve memory, problem-solving skills, cognitive control and reaction times. Students will only know that they are having a blast! Students will also be challenged to think about questions like... how exactly do optical illusions play with perception? How is the brain working and what is the difference between left-brained thinking and right-brained thinking? Why did the chicken really cross the road? Through independent challenges, team logic games and exciting tournaments, students in this cerebral exercise class will play with a wide variety of brain benders that will challenge their minds, spark their innate curiosity, strengthen critical thinking, help develop strategy and deductive reasoning skills- and foster a love for solving problems. Crucial learning through play!

MARVEL SQUAD (Jimmy) *Creative Play, Math*

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

MATH MARVELS (Nathan) *Math*

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

MATHLETES: MATH THROUGH SPORTS (Jimmy) *Math*

In Mathletes: Math through Sports kids get a chance to move their bodies while their minds are at work. Addition and subtraction are experienced via tactile learning. Challenges of body and brain are put forth each week for the kids to meet and overcome. We look at attitude towards math and challenges and teamwork/social-emotional as well in the classroom or on the field. We physically add and subtract items, examine point systems in sports and games, and introduce the importance of math as it really relates to the world. Let's have some fun while we crunch those numbers :)

MATHTASTIC (Debbie) *Math*

This class will use Cognitively Guided Instruction (CGI), a highly effective research-based program. Using CGI, we will start with what children already know about math and build on it to move them toward a deeper level of understanding. Children solve problems in ways that make sense to them using real-world contexts. During problem solving, multiple strategies are shared, honored and highlighted. Children are expected to articulate their thinking and collaborate with others. Students are encouraged and supported to persevere through challenging problems. Mistakes are viewed as opportunities for learning. We focus on conceptual understanding as a foundation and gradually progress to more abstract representations of math concepts.

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

MEGA MATH (Jess M) *Math*

During this twice a week 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!!!

MENTAL MATH 1 (Joe) *Math*

Adding, Subtracting, Basic Multiplication and Division

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, two, and three-digit), subtracting (one, two, and three-digit), multiplying to 12x12, and dividing from 144 and lower. 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 warmup exercise presenting a new concept, application or technique and then we'll practice our skills through gameplay.

Topics and concepts covered and additional resources are available at www.joesclasses.wordpress.com

MENTAL MATH 2 (Joe) *Math*

Prerequisite = Multiplication to 12x12

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 solving Two and Three-digit Multiplication, Roots, Factors, Division, and Fractions. We'll also play with fractions, decimals and percentages. 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 warmup exercise presenting a new concept, application or technique and then we'll practice our skills through gameplay.

Topics and concepts covered and additional resources are available at www.joesclasses.wordpress.com

MENTAL MATH 3 (Joe) *Math*

Prerequisite = Mental Math 2, or equivalent

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.

MESSY MAYHEM: ART WITHOUT BOUNDARIES (Kimber) *Art*

This promises to be an absolutely awesome experience... where 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

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

mixed-media pieces and... (put students' wildest imagination here). 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 beautiful fluid art using "fill", "pour" and "flip" techniques. And of course, this class wouldn't be complete without some full-out splash and drip paintings, in a large scale, a-la Jackson Pollock.

MICH HOUR: MATH INDIVIDUALIZED CURRICULUM HOUR *Math*

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

MIGHTY MATH (Jess M) *Math*

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

MINDFULNESS AND MEDITATION (Jimmy) *Mindfulness*

Welcome to Square One of education - learning about yourself. Students will get in touch with their relationship to themselves, the world, and others through fun, awareness-building exercises. Students will gain tools for their 'toolbox' to make a solid foundation of self from which to grow and learn through the rest of school and life. REALM kids will learn how to deal with sensory experience, thoughts, mind-body connection, and stay in the moment. PBS (Pause, Breathe, Smile), Affirmation, Positive Self-Talk and Compassion are some of the mindfulness tools students come away with. Meditation here becomes accessible and useful. Meditations include breathing skills, listening skills, body scans, visualizations, and even some guided meditations lead by students. Accompanying our practice is role-playing games, reflective artistic endeavors in line with the week's lesson, some yoga and stretching, mindful eating, and sometimes even tea. Also included are Zen shorts and a whole lot of smiles :)

MINECRAFT (Digital Dragons) *Gaming, Digital Design, Engineering*

Calling all Minecrafters! Digital Dragon invites you to explore the world of Minecraft like you've never seen it before! Turn your structures into Red-Stone wired fortresses with triggered lightning, booby traps, and secret doors. Learn programming principles with Minecraft commands and command blocks that make characters and structures do amazing things, from controlling the time and weather to spawning creatures and portals to other dimensions. We'll have a blast exploring this amazing game, while learning more about the underlying STEAM principles that make it work.

MORE ABOUT SURVIVING A ZOMBIE APOCALYPSE (Kimber) *Science, Health & Wellness, First-aid, Survival skills*

And the adventure continues... There's nothing worse than being stuck in an impending apocalypse without some basic knowledge, skills and crucial essentials on hand... and an impending zombie attack is no laughing matter! Through a series of games, lively "undead" question-and-solution stories and dramatic play scenarios (and using "zombies" as a jumping off point for exploring real information)... students in this crazy fun survival class will be challenged to think about all aspects of a zombie pandemic. What about health needs, containment, food storage

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

and cure? In order to be extra prepared and gain some serious zombie knowledge, students will learn all about the physiology of a zombie (and previous human state), as well as how to create an all-hazards emergency kit (coincidentally suitable for earthquakes and other natural disasters) and perform basic first aid skills (as long as it's not a zombie bite). What wilderness and survival skills, tools and techniques will be needed for escaping an undead onslaught? Students will practice how to take care of basic living needs, create a safe shelter, and preserve and store food. And what about "catching" the virus? Students will also explore how a virus actually affects the body, how a virus spreads, the speed and distance travelled, prevention tips and how different living areas would be affected. Need to know the quickest direction to run? In addition, students will practice how to read a map to determine best exit routes and safe assembling areas, as well as locate the closest hospital, gas station, grocery stores, bank, and other buildings of importance. All this and more... and of course, this class wouldn't be complete without some special effects zombie makeup play at the end of the day.

MUSIC: THE BANDS THAT CHANGED THE WORLD (Jimmy) *Music*

In Music: The Bands that Changed the World students get to not just listen to, but also study some of the great bands that changed our world. We will study 50's early Rock and Roll (Chuck Berry, Buddy Holly, Elvis Presley, The Ronettes), 60's British Invasion (Beatles, Stones, The Who, The Kinks), 70s Rock (Led Zeppelin, Doors, Pink Floyd, The Eagles), late 70's Punk Rock (The Clash, The Ramones), Mid 90's Alternative (Green Day, Weezer, Smashing Pumpkins, Nirvana). Students will pick their favorite band and do a report complete with a history of the band. We will look at album art, posters, first-hand accounts, live shows, recordings, albums, and songs. Hey, hey, my, my rock and roll will never die.

MY SIGNATURE: CURSIVE AND WRITING (Jess M) *Writing*

During this class, we will be using Handwriting Without Tears to facilitate an easy transition from printing to cursive. We will combine handwriting instructions with paragraph, poem composition, and language arts activities. The Handwriting Without Tears simple vertical style emphasis on connections make cursive easy for all children! We will even experiment and practice our very own signatures!

MYSTERIES OF THE WORLD (Kimber) *History, Geography*

This world is such a wondrous place and some things are just so strange that they just can't be explained... or can they? Students in this zany class will explore unexplained world mysteries, lost civilizations, ancient ruins, mystic places, sacred writings, strange artifacts, science puzzlers, and more. Many mysteries have been solved but many others... despite the efforts of our most revered historians, cleverest cryptographers and most determined treasure hunters, history is full of riddles that continue to confound us today. Through cool adventure stories, "solve-it" games and fun projects, students will delve into these mysteries. Will we find the Lost City of Atlantis? Will we figure out how the 5-ton Moai statues on remote Easter Island got there in the middle of the Pacific Ocean? Or the 5,000-year-old coins that have been found buried in the United States. The mind boggles with the unanswered questions... Was King Arthur real? What is the Voynich manuscript? Why was Stonehenge built? And what about ghost ships, alien contact, and technology supposedly built thousands of years before their time? Confounding conundrums! Let's see if we can crack these cases!

NATURE WRITERS (Brittany) *Writing*

Nature is often a source of inspiration and creativity. It is also a necessary place for reflection, especially in today's

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

NIFTY FIFTY: FUN WITH STATES, GEOGRAPHY AND ART (Kimber) *Geography, Art*

From famous landmarks and national symbols to regional cuisine and patriotic songs... Come along with us on an exciting journey across the United States of America and find out what makes this country so spectacular! As students in this fun class travel "from sea to shining sea", they will explore interesting facts, cultural features, key historical events, landforms and geography of our amazing 50 states. Through art, music, games, visual presentations and interesting projects, students will discover unique state characteristics, tourist attractions, natural wonders and yum, favorite state foods. Students will also learn about weird and cool facts... for example, did you know that in Florida, remains of a human civilization as old as the ancient Egyptians were found buried in a bog? Did you know that The U.S. Postal Service still uses mules to reach two areas in Arizona? Or that off the coast of South Carolina, there's an island full of wild monkeys? Fun projects include geography games, Habitat Hands Across America project, "American Animal Art", Postcards Across America (postcard exchange) project, Parade of States, cool arts and crafts, and delicious cooking projects.

NOVEL-TEA: THE BOOK THIEF (Liz) *Literacy, History*

This semester we will be stealing away to read *The Book Thief*. This book is all about the power of the written world and how important it is to share what we have read. The story takes place during World War 2 but instead of looking at the battlefields the story brings to story closer to home. We will meet Liesel, an orphan who comes to live with a German family that is also harboring a Jewish boxer. We will reading the story outside of class and using class to discuss reading comprehension, study the history of these events, and explore our feelings about the events through writing.

THE ODYSSEY BY HOMER (Bonnie) *English Language Arts/History*

We will journey through excerpts from one of the greatest adventure stories of all times. Full of those addicting Greek Gods and Goddesses, Homer's *Odyssey* is an epic that never fails to entertain and inspire. Students will act, write, and discuss their way through Odysseus' choppy travels back home. We will analyze the so-called hero's motivations and explore the captivating history of Ancient Greece. Students will be asked to write for ten minutes, at home, once a week.

ONCE UPON A FAIRYTALE: FAIRYTALES AROUND THE WORLD (Kimber) *Literature, Art, Geography*

Pack your bags. Grab your passport. We are on an amazing creative literature tour to find fantastic folk and fairy tales from around the world! Once upon a time... Through storytelling, dramatic play, cool arts and craft creations and fun projects, students will explore a collection of magical tales from around the world- stories they may know, stories they may think they know and stories that are strange and unfamiliar; Students will hear different stories, including some new and unique tales, learn about common elements and examine "wonder", that special supernatural something which brings about transformation in a fairy tale character's life. Students will also discover

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a "Cinderella" story from many different countries. Did you know there are over 1,500 versions of the Cinderella story dating back to the first century? Is she Appalachian, Creole, Chinese, English or Egyptian? Who helps her with magic? Is it a fairy godmother, fish, donkey or dove?

While learning about literary elements such as point of view, settings and plot twists, students will also explore "Fractured Fairy Tales", where familiar tales take on new life and are re-told with many surprising twists and turns. How about hearing the story of *The Three Pigs* or *Little Red Riding Hood* from the wolf's point of view? Or what if those poor little pigs knew karate? Students will then let their imaginations fly as they create their own fantasy characters and discover new ways to get from "Once upon a time" to "they lived happily ever after" by way of crafting, painting, writing their own books, costuming, making puppets and dramatic re-tellings. Will they become a hero, villain or royalty?

PAUSE AND EFFECT (Jean) *Mindfulness, Social Emotional Learning, Self-regulation*

Let's devote some time in the day to take a PAUSE. This class is devoted to spending time on ourselves. We will explore mindfulness meditation practices and learn some tools to help self-regulate, increasing our ability to respond and decreasing our impulse to react. We will start with a mindful activity, then a mindful practice and end with an art project based on our practices.

PEN, PAPER, PUBLISH (Jessie or Debbie) *Literacy, Writing*

This class introduces students to the world of writing in an environment where their efforts and approximations are encouraged and applauded. Each class begins with a mini-lesson, moves into independent writing time, partner work and ends with a sharing time. Students write about everyday events from their lives and turn them into focused, well-structured stories. The students learn to breathe life into characters by making them talk, think, and interact.

PENMANSHIP AND WRITING (Jess M) *Writing*

Does your hand get tired after writing a descent amount? Are you having a hard time reading your own writing? Have no fear, help is here! Come practice the correct formation of your letters and numbers, how we form them on and between lines, and how to properly hold your pencil! We will use fun games, songs, and smiley faces to help us remember the rules, and we may even experiment with some of those squishy, funny-looking pencil grips.

PEOPLE'S HISTORY OF THE UNITED STATES (Liz) *History*

When we study history we tend to focus on the large scale. We think of large historical events such as wars, natural disasters, and the leaders who make decisions for entire countries. But history is happening every day, it is happening to the small business owners, the community leaders, and the writers and artists. What happens when we look at history from the people's stand point? How does history change when we turn the focus away from the "victors" and look at the everyday people who live in the world? Taking events such as voting rights, educations, worker's rights, and food production we will look at the history of our country to see how these events were handled by the occupants of the land. History will come alive through the stories and first hand accounts of the people who don't normally make the history books (but should).

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PIRATES (Linda) *History, Art*

Let your imagination take to the high seas in this educational adventure. Hear the stories of famous pirates while creating your own pirate accessories and even a model ship.

PRE-ALGEBRA (Semester 2 of 2) (Jess M) *Math*

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

PRE-ALGEBRA (Semester 2 of 2) (Joe) *Math*

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

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

Topics and concepts covered and additional resources are available at www.joesclasses.wordpress.com

PROFESSOR EGGHEAD: EXPLORERS (Rachel) *Science*

Strap on your gear, get on your binoculars, and join the Egghead Explorer Squad as we fizz, pop, mix, and experiment our way around the Earth! As Egghead Explorers, students will make a sundial to keep track of the time, a flashlight to see in the dark, fake tar pits, fossils, volcanoes, snow, magnetic bumper cars, and tons more. The best part? They get to take it all home! All Eggheads will also get their Explorer ID card, authorizing them to use real science to explore the globe. At the end of the session, students will receive an Egghead Explorer Degree. Science has never been this cool!

PROGRAMMING THE SELF (Digital Dragons) *Programming*

Use the Scratch programming language to create interactive programs that explore the self, fostering creativity and self expression. Final projects will include augmented reality applications, using the computer's webcam to incorporate the player into the game.

QUEST: ANCESTORS - DISCOVERING OUR HISTORICAL AND BIOLOGICAL ROOTS (Semester 2 of 2) (Joe & Liz) *Research, Community-building, Literacy*

Quest is a multifaceted community based experiential learning program.

The Quest Program is designed to provide students an opportunity to explore themselves and their world in a supportive and encouraging environment. Students will embark on a series of outings and explorations, balanced by

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and followed with written, multi-media, 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 year, Quest will embark on a two-semester project, exploring the theme: "Ancestors: Discovering our Historical and Biological Roots".

This class has a supplemental fee.

REALM BISTRO (Nathan) *Math, Life Skills*

I firmly believe that every human being who aspires to achieve greatness should work in a restaurant for at least one year. From the amount of people you encounter and the different personalities that you bend to, to the multitasking, mathematics, patience, teamwork, common sense, compassion, leadership, respect, food safety, critical planning, time management, etc. that are all part of the job, you acquire a vast spectrum of life skills all in one place. Well, we don't have a year but we have 16 weeks so let's practice those skills and get a jump start on the well rounding of our persons in a super fun restaurant and cooking class. The REALM Bistro, by the way, will come alive at the end of the semester as we open the restaurant to family and friends!

REFLECTIONS: ART THROUGH SELF (Jean) *Art, Design, Graphic Design, Marketing*

This class is a self-marketing journey using art and design. We will use art to explore and express our personalities, interests, and thoughts. We will package it all up by developing graphic design skills to design personal logos that represent us.

RESTAURATEURS (Kara & Rubeth) *Exploration, Life Skills, Math*

Come along and learn how different restaurants in Santa Monica work! Each week we will explore different restaurants, with different cuisines and styles. We will learn proper restaurant etiquette, how to treat wait staff, and how to calculate prices, taxes, and tip. In addition, we will be able to explore some of the inner workings and get a background look at some of Santa Monica's best restaurants and cafes.

ROCK CLIMBING (Kara) *Physical Education*

Want a fun way to exercise and get a strong, healthy body? Students will travel to Sender One for weekly climbing lessons and time to free climb with certified instructors from Sender One and The Realm. Students will learn the proper belay, climb, and rappelling techniques to become a great rock climber. Students will have access to bouldering walls, auto belays, and top rope climbs with a trained belayer.

ROCKSTAR GLEE...GOES TO THE JUNGLE (Kids on Stage) *Theater*

LET YOUR VOICE SOAR IN A KIDS ON STAGE PERFORMING ARTS CLASS. Experience costumes, acting, singing, dancing and the "Play of the Day" each week. Classes fosters teamwork, confidence and self-expression by tapping into each player's natural storytelling ability. The session ends with an open class presentation which showcases songs told through an improvised "Play of the Day". Our jungle adventure theme MAY include songs such as; "Bare Necessities" from The Jungle Book, "Jungle Boogie" by Kool and the Gang and "Lion Sleeps Tonight" from The Lion King.

THE ROYALS: A HISTORY PORTRAYED (Kimber) *History, Art*

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Hear Ye, Hear Ye! Do you have what it takes to rule a country as royalty? Concentrating on Medieval times to current day, students in this exciting class will explore the fascinating history, timelines and successions, fun facts and eccentricities of famous members of royalty. Through majestically fun art projects and activities, students will also learn more about the role of a monarch as they explore royal family lines and royal houses from different countries. Did you know that today there are 26 monarchies in the world, a fascinating network of kings, queens, sultans, emperors and emirs who rule or reign over 43 different countries? What would it be like to be a Prince or Princess for the day? What does a King or Queen really do? What qualities are needed to be a successful monarch? And how has the role of monarchs changed throughout history? Students will go through several King's and Queen's diaries, including Queen Isabel's, a tale of intrigue daring and disaster that defined the era and made England a triumphant and great monarchy. Students will also explore the clothing, jewels, and accessories as well as the grandeur and elegance of palaces, castles and royal houses from all corners of the globe. Can you imagine wearing a 75 pound dress, or a wig that was 3 feet high? Exciting royalty-themed art and projects will include Royal Coat of Arms, decorative history playing cards, illuminated manuscript letters, specters, tiaras and crowns, clay castles, royal jewel ornaments and banquet baking!

SEEING BEAUTY (Joe) *Art History, Aesthetics, Philosophy*

What is art? There's a great deal of confusion these days about art. That's not surprising. Art, by its very nature, is difficult to define, it's elusive, difficult to grab ahold of, hard to grasp. Over the past century or so, it has gotten even moreso. Very often, over the years, I've noticed that people - not just students, but adults, and often even those who suppose themselves to be artists - are so overwhelmed with the confusion surrounding art (especially visual and conceptual art) that they have thrown up their hands in despair, or exasperation, or defeat, and decided that it is either beyond them, or it is meaningless.

Those who've decided that art is beyond them, have taken to asking for it to be explained to them, they ask, "what does it mean?" They don't feel capable of interpreting it themselves, the way they might be willing to interpret a piece of literature or a movie, or a meal. They feel incapable of navigating the world of contemporary art without a guidebook, and often, they'll latch on tenaciously to whatever explanation makes at least some tangible sense, and thereby miss the excitement and beauty and inspiration that a true appreciation and interaction with the work might afford.

Those who have given up on art and decided that art today is largely meaningless, often hold on to simplistic, superficial or outdated ideas about what art once was, or have come to see art as a materialist scam perpetrated by charlatans, showman and huxters out to fool and cheat the public - they see art as an "Emperor's New Clothes" sort of ripoff, and at the most will rely on the popular maxim, "well, anything can be art," believing it to mean that everything is art, and that all of it is equal.

This class, which I'm calling, "Seeing Beauty" is probably overly ambitious, but I want to try to give students a glimpse into what art is and what it can be. We will look at why artists do what they do. We will ask ourselves questions about creativity and beauty and meaning and purpose - and art. Students will, I hope, begin to develop the ability to allow art to speak to them, and maybe even learn how to begin speaking back.

The outline for the class will be that we'll spend the first few weeks with a very brief and rapid overview of how art got from *Venus of Willendorf* 30,000 years ago to the Impressionist and Post Impressionists of 150 years ago. Then

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we'll slow down and move forward at a slower, but still rapid pace, hoping to touch briefly on an artist or two or three each week, and arrive at present day artists by spring break, so we can spend the final weeks of the semester focusing on contemporary art trends. This class will require all students to complete brief in-class weekly written exercises, younger students will be expected to learn to recognize artists names and significant works associated with them - and why those works are considered significant. In addition to that, older students will be expected to choose an artist for further exploration and complete a written project based on their research, discoveries, and interpretations - this will require outside-of-class time. This class will be challenging for all students, but invaluable rewarding, I think, for those who take on the challenge.

THE 60'S: CULTURAL REVOLUTION AND THE CHANGING TIMES (Kimber) *History, Culture, Art*

This unique history exploration class is all about peace, love and free speech movements, hippies and flower children, anti-war demonstrations and civil rights marches... and all of the many ways the world changed dramatically during the sixties! Through crazy "cool" art, music, visual presentations and "groovy" projects, students will discover fascinating history and explore the impact of many significant events of the 1960's; Students will examine subjects as diverse as the war in Vietnam, women's rights, civil rights, the environment, music, popular culture, and even the way people dressed and wore their hair. Students will also explore the impact of the exceptional ways in which people expressed their views- through riots, demonstrations and marches, as well as through art, fashion, literature and music. Just think... at the beginning of the decade, one man orbited the earth, and at the end, two men walked on the moon. There was tie-dye, long hair and short skirts. During that decade, the country was jolted by the assassinations of one president, two civil rights leaders and one presidential hopeful- and a nuclear war was barely averted. There was Woodstock, folk music and the "British Invasion".. College students fought for independence of thought. Schools became integrated. And draft cards and bras were burned. Exciting times! Projects will include Pop art, love beads, flower garlands, music lyric-poetry slam, peace posters and many other fun creative adventures.

A SNAPSHOT OF HISTORY THROUGH COMICS (Linda) *History, Art*

Whether it be the moment of a significant discovery or invention, a battle in a war, a struggle for civil rights, each student will choose a moment in time that intrigues them. They will delve into and create a story in pictures, using the genre of comics/graphic novels, that reflects the feelings and events of that time and place. We will discuss and implement the elements of compelling storytelling in dialog and pictures.

SOUTH OF THE BORDER: MEXICO, CENTRAL AMERICA AND ARTESANIA (Kimber)

Geography, World Culture, Art, History

Through exciting projects that stimulate all the senses, students in this cool class will travel through Mexico and Central America and explore a kaleidoscope of rich cultures; This class will feature unique hands-on learning experiences about our fascinating neighbors South of our border- the people and their art, music, cuisine, geography, habitats, and animals. Students will discover how Pre-Colombian civilizations made their mark with the vast pyramids of Teotihuacán, stunning temples of Chichén Itzá, Tikal in Guatemala, and countless other archaeological wonders. From the Aztec and Mayan civilizations to the Spanish influence on Mexico and Central America, students will learn about history of these fascinating countries- as well as how people live today. Students will trek through the different terrains in Mexico and Central America, from the epic landscapes of the northern deserts and snowy peaks of the central sierra, to the rainforest tropical jungles and sandy beaches. Students will

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learn about some of the unique inhabitants there... just the rainforests alone are filled with diverse wildlife, including howler monkeys, jaguars, lizards and tropical birds. And let's not forget about the Pacific and Atlantic Oceans filled with exotic reef life. Taking inspiration from Artesanía, the art of the people- as well as famous Mexican artists, interesting environments and the colorful culture- this exciting class features vibrant folk art projects with a story. Using traditional methods which are well-founded in the past, projects will include painting, collage, jewelry making, tin work, printmaking and clay.

SPANISH (Edith) *Foreign Language/Spanish, Culture*

The goal is for students to **enjoy exploring** this language, as they develop a **strong foundation** and agile **oral skills**. Our commitment is for them to **confidently grow in speaking** Spanish.

Classes are age-appropriate fun, engaging and game-based. The focus is placed in oral understanding and expression, as well as spelling. Students learn Spanish fundamentals, vocabulary and phrases with verbs and sentences to be used in context.

From beginner to fluent, depending on the level and the age of students, classes vary to provide adequate and meaningful content, so students can master the vocabulary, develop accurate pronunciation and communication skills, and get started or advance in reading and writing.

Classes always have a connection to a cultural background, as a bridge to understanding the language itself and the world around us.

SPANISH IMMERSION (Rubeth) *Foreign Language/Spanish*

No two people learn the same! I tailor my Spanish lessons to the specific needs and learning styles of each level, range of age and group.

Kids will practice Spanish while doing fun activities like crafts, dance, games, bingo, cooking and yoga. All activities are oriented to achieve grammar and vocabulary goals. They will be learning Spanish while having fun.

By the end of the 18 weeks, kids will be able to follow directions and know how to express themselves in the following subjects.

- Fruits: colours, parts, types, flavors, sizes, quantities.
- Vegetables: Parts, shapes, adjectives, prepositions, gender, number.
- The Supermarket: Express yourself while shopping groceries.
- The weather: Seasons, temperatures and what type of clothe we need to use for each season.
- Insects and flowers: Evolution of the butterfly and the ladybug. Types and parts of flowers.

SPORTS CLUB (Jimmy) *Athletics, Sports*

Welcome to REALM Sports Club. Time to get some exercise and have a field day! As any REALM student who has taken Sports will tell you our themes have not and will not vary: Teamwork and Sportsmanship carry the day for each class. Classic sports such as Soccer, touch-Football, Basketball, and Wiffle ball are taught and played in a fun, non-judgmental environment. Basic skills such as stretching, throwing, catching, shooting, passing, defense, etc. are

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taught for each sport. We also have our requisite timed obstacle courses (competing against our previous times only). Sports teaches many life lessons in a healthy way: interpersonal relationships, trust, strategy, mindfulness, coordination, hand-eye, mind-body, motor skills and most importantly how to win, how to lose, and how to work together. Bonus: a trip to a Los Angeles professional sports game in the mix.

STOP MOTION (Digital Dragons) *Film, Animation, Production*

Create captivating stop motion videos using your favorite toys like Lego, figurines, everyday objects or hand drawn characters. Learn the basics of narrative storytelling, editing, and audio. Story topics can range from personal stories to themes that touch on other classes and the REALM's overarching curricula and core values.

STORYBOOK EXPLORERS (Salma) *Literacy, Reading Comprehension*

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

STRENGTHENING YOUR NON-FICTION WRITING MUSCLE (Bonnie) *English, Writing*

Writers will train to increase their reflection stamina. They will up their abilities to write independently and generate ideas through consistent timed practice. In addition, they will work through the all important editing process, practicing refining their work and untangling language. There will be opportunities for peer editing and communal shares throughout the whole process. The goal is that students walk away excited to stick with their written words. A reasonable amount of homework will be given.

STUDENT GOVERNMENT (Nathan) *Political Science/Committee*

REALM cabinet members will meet each week to put their minds together and execute their democratic duty to help make The Realm a better place. Introduction to Robert's Rules and the functioning of government committee's, from finance to fun, will be carried out. Discussion, compromise, delegation, diplomacy, voting, minority opinion, and real-time action will go on Thursday mornings. One of the best ways to learn about ourselves is to be on a team working together to make the best choices for the whole. Realm student government is a discovery of empowerment that we can make positive choices for the future.

TALENT SHOW (Jess M) *Performing Arts*

Do you have some hidden talents that you want to share? Can you secretly sing all the capitals of the United States in one breath? Well then Talent Show is the class for you! We will be practicing, creating, and designing our own talent show(s) to perform a few times throughout the semester. If the students are interested, we may even open up a talent show to their peers and parents! All shows will be planned by the students, and hopefully, we will discover all the various talents our REALMers have!

TED TALKS (Talia) *Social Studies*

Ted Talks stands for technology, entertainment, and design....The mission is to share ideas worth spreading.

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This semester, students will watch a variety of Ted and Ted type Talks. Students will examine the components of a Ted Talk and gain fluency in the various types available. They will be able to understand various viewpoints and why different people are passionate about different things.

The Semester will be summed up with a final project consisting of a recorded personal talk by each student so they can share their own passions and ideas worth spreading.

THIS AMERICAN LIFE - NPR - THIS I BELIEVE (Liz) *History, Writing*

What do you believe? Why do you believe what you believe? How does the time we live in affect what we believe? Come explore the NPR series "This I Believe" that originated in the 1950s. This series asked famous people of the day what were their core values that guided their daily lives. The series began again in the early 2000s but this time NPR sought out essays from everyday people. The result was a collection of essays that showed both how far we have come as a country and how our basic core values have stayed the same. In class we will read these essays, learn about the authors and the historical time period they are from, and in the end write our own "This I believe" essay.

TIME MACHINE: TIMELINES AND HISTORY THROUGH THE AGES (Kimber) *History, Geography*

From the Stone Age to the Space Age and beyond... students will travel through time and... go on the ultimate adventure! Through fun activities, timeline games and creative projects, students will put historical events in order and explore the daily life, music, foods, fashions and important, life-changing events of different time periods. From Ancient civilizations to the modern world, students will gain a better understanding of what happened, when and where it happened, what else was happening- and how events impacted the past... and the present. On this journey for answers, who knows where history- and our imaginations might take us... We could meet nomadic children in ancient Mesopotamia, or the mighty pharaohs at the great pyramids in ancient Egypt. Or travel down great rivers in ancient China, hear the wisdom of Confucius, and witness the building of the Great Wall. Or listen to a Beethoven concert in Vienna. Or explore the events leading up to the Salem Witch Trials, or the steps of the Revolutionary War. Or delve into more modern events. And what about the future- what lies ahead? There are so many fascinating time periods to explore! Are you ready for a trip through the ages?

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

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

UPSTANDERS (Salma) *Mindfulness, Community Service*

In this class, we will be learning about the most important person in our lives - ourselves! Through mindfulness, gratitude and introspective activities, we will stock up on values like kindness, perseverance and confidence, to allow us to best share our gifts with the world. Equipped with a positive outlook and our own personal tools, we will engage in various acts of service, helping the community around us. As we master the awesomeness in ourselves,

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and act in ways to share it with the world, we become Upstanders, reaching our potential with a smile and a spring in our step.

URBAN GARDENERS (Kara) *Science, Sustainability, Environmental Education*

In Gardening, students will learn where our food comes from, how food is grown, and how growing a garden can help our community. We will be getting down and dirty by planting and growing our own food! We will learn how to build an organic gardening system from the ground up, take care of the plants, and harvest our own food! We will explore various gardens around Santa Monica and learn to appreciate where our food comes from.

VIKINGS (Linda) *History, Art*

Who were the Vikings? What was daily life like as a woman? A slave? A freeman? Or an aristocrat? Why are they famous for invading and plundering? What did they contribute technologically, culturally, and artistically to humanity? These questions and much more will be explored as we discuss, hear stories, play games, and create models of houses, ships, weapons, etc.

VISIONARIES: BACK TO THE FUTURE (Jimmy & Bonnie) *History, Research, Writing*

The Visionaries will plan for the future, by investigating the past. Our mission is to find the hidden stories around Santa Monica and Venice. What tales do the buildings hold? Who were the people that inspired change? We will go out and about to find these places and people to open our eyes to that perspective. Visionaries will then propose a future place (private or public), that they envision adding to our city. This place will keep the area moving forward, while at the same time holding on to the healthy values of the past. They will use their engineering brains to build a concept vs. a structure. This class has a supplemental fee.

WESTWARD BOUND (Nathan) *History, Geography*

The story of how individuals planned and executed the westward movement. What were their dreams, inspirations, and fears? How did they prepare? Which way did they go? What were the dangers? What was it like when they got there? Travelers had to start somewhere and in order to understand why people would undertake such a perilous journey we need to understand where they came from. We will learn about the thirteen colonies, Davy Crockett, Daniel Boone, Sam Houston, the Alamo, St. Louis, the Louisiana Purchase, Lewis and Clark, and the average person/family that took the enormous challenge of heading west into the remote western reaches of North America. Each student will choose a destination and retrace the steps of an actual westward bound person or family. They will share their journey by creating a scrapbook, a journal, and recreating actual preparations and evidence of completing their journey.

WINDJAMMERS SAILING FOR BEGINNERS (SMWYC) *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.

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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.

WORDS (Joe) *Spelling, Vocabulary*

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

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

WORLD MUSIC and UKULELE (Elise) *Music Performance and Theory*

Why the Ukulele? Well, as small as it is, it is a real instrument that kids don't have any trouble holding, handling and playing. Because of its size, finding frets, strings and playing basic chords becomes manageable and very enjoyable for children as young as five years of age. Besides strumming patterns and basic music theory, we will be learning favorite children's songs that are catchy and easy to grasp. Musical concepts and songs are highlighted through a fun, musical journey we follow together as a class, taking us to faraway lands and learning about them through music.

WORLD PASSPORT (Rubeth) *Foreign Language/Spanish, Cultures*

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

WORLD POLITICS (Joe) *Political Science, Economics, Geography*

Students in this class will explore global political systems and economies. They will learn how different forms of government operate and they will discover how nations operating under various systems interact. Each student will choose a country to explore in depth. Students will prepare written reports and spoken presentations about their chosen country and will represent that country in mock summit negotiations where they’ll respond to a variety of global events and crises.

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WORLD REVOLUTIONIZING: HUMAN SCIENTIFIC DISCOVERIES (Linda) *History, Science*

Each student will choose an area of science from medicine, astronomy, electricity, communication, chemistry, evolution/genetics, transportation or agriculture to research, create a timeline and present a project that answers some basic questions. What was the general thought previous to this discovery? What technology enabled this discovery? What subsequent discoveries were possible because of it? How did life improve for humankind because of it? And were there any negative repercussions?

WORLDLY PHILOSOPHERS (Liz & Joe) *Philosophy, Economics, Rhetoric and Logic*

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. Some of the philosophers we'll look at will be: Plato, Aristotle, St. Augustine, St Thomas Aquinas, Francis Bacon, Baruch Spinoza, Immanuel Kant, Adam Smith, Arthur Schopenhauer, Henry David Thoreau, John Stuart Mill, Karl Marx, Friedrich Nietzsche, John Maynard Keynes, Jean Paul Sartre.

WRITER'S CONVENTIONS - CREATIVE WRITERS WORKSHOP (Brittany) *Writing*

This class fosters creative expression through a variety of writing exercises and prompts that engage the Six Traits of Writing. The implementation of these six essential elements— Ideas & Content, Organization, Voice, Word Choice, Sentence Fluency, and Conventions— helps writers achieve strong, clear, and well-balanced pieces of writing. Students will participate in the writing process, from brainstorming and freewriting, to developing and polishing stories. They will learn about the revision and editing process, as well as the workshop process, which includes strategies for giving feedback and participating in peer review.

YOGA (Jess J) *Physical Education*

ASANA - Students learn and master age appropriate yoga poses each session. Eventually all poses are strung together into a yoga flow tailored to each class.

BREATHING TECHNIQUES - Yogis gain knowledge of various breathing techniques that help them to calm down, energize, cool or heat the body.

IDENTIFYING EMOTIONS - The use of songs and key discussion points allow students to identify and get in touch with their feelings.

PLAY through NON-COMPETITION – The little gurus learn non-competition and acceptance of themselves and others through play- song, dance and yoga games.

MINDFULNESS - Concepts such as kindness, compassion and empathy are taught each week in class. Students are encouraged to take their yoga "Off the Mat" and share these concepts with the people in their lives.

RELAXATION - At the end of each session yogis participate in "Savasana". While lying in a peaceful position with calming background music, students are led through guided meditation to focus their breathing which leaves them feeling relaxed and calm. We also hold weekly circle times to check in with each other and our emotions.

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

YOUNG NOVELISTS - FOR SERIOUS WRITERS (Salma) *Writing, Literacy*

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, form a setting that comes alive, 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!
