

## Fall 2018 Class Descriptions

**Title: 3D Dream Team**

**Teacher:** Laura Palumbo

**Ages:** 12yrs & up

**Min/Max# Kids:** 6-12

**Cost:** \$16

**Description:** You DREAM it, we DESIGN it! 3D Dream Team class combines aspects of sculpture, architecture, engineering, science and good, old-fashioned tinkering as student groups work to construct solutions to design challenges. Each week, a different student leader will prepare a challenge or project for the group and we will spend our class time designing/building/constructing/innovating creative solutions! Design challenges can be in almost any domain, and in the past have included Rube Goldberg machines, load-bearing challenges, KEVA plank structures, improvised housing (AKA The Three Little Pigs Challenge), self-propelled blimps, and even constructing 3D vehicles out of cake. Group leaders can work individually or with a partner, and instructors will help leaders with planning the design challenges and collecting the supplies. Feel free to join even if you don't have a project in mind!

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**Title: 20<sup>th</sup> Century Social Justice Through Music**

**Teacher:** Alikea Hope

**Ages:** 9yrs & up

**Min/Max# Kids:** 4-12

**Cost:** \$17

**Description:** Music has played a pivotal role in 20th century U.S. social justice movements. In this class we will look at the connections between music and women's suffrage, civil rights, environmentalism, and disability rights. We will plan individual and/or small group projects that students can do outside of class to better a social justice cause of their choosing. Activities MAY include singing, song-writing, rap creation, listening to and examining music, etc.

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**Title: Advanced Speedometry**

**Teacher:** Kaleitha Brown

**Ages:** 9-12

**Min/Max# Kids:** 4-10

**Cost:** \$6

**Description:** We will use Hot Wheels, Matchbox, Hess Trucks and other cars to explore concepts such as energy, force, and motion. Children will work in teams to study potential and kinetic energy, variables that affect energy, and deepen their ability to accurately describe changes in energy. Teams will conduct experiments with speed ramps and create mini collision courses. Students will practice measuring distance, using fractions and decimals, constructing bar graphs and charts to represent their data, analyzing patterns in their data and making mathematical predictions. The teams will work toward a final presentation of their discoveries and scientific predictions.

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**Title: American Presidents**

**Teacher:** Tanya Willis

**Ages:** 9-12

**Min/Max# Kids:** 4-15

**Cost:** Free

**Description:** Could you be the President?... Lets explore the history of the U.S. Presidency and learn about the duties of the President of the United States and the First Lady. We will understand how a President gets elected and understand the concept of a four year term in office. We will also learn about some notable President's and Who is on Mount Rushmore.

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**Title: Artists Workshop**

**Teacher:** Kaleitha

**Ages:** 6-8

**Min/Max# Kids:** 3-10

**Cost:** \$13

**Description:** In this class we will look at works of art created by artists from different countries, created for different purposes, and using different techniques. We will learn what gave the artists their ideas and discover how they made the pictures and sculptures. Then we will borrow their ideas, add our own and create stunning works of art! Classes may get messy so please dress your child accordingly or send your child in with a smock.

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**Title: Aspiring Young Engineers****Teacher:** Andrew Escalera**Ages:** 6-9**Min/Max# Kids:** 10-14**Cost:** \$137

**Description:** Explore and experience the spectacular world of engineering through Engineering Imagination's hands-on, minds-on classes! In these exciting, educational programs, participants will learn about and build projects such as model rockets and scale bridges while exploring a unique, customized S.T.E.A.M. (Science, Technology, Engineering, Architecture, Mathematics) curriculum. From designing and building model roller coasters, to taking things apart, to LEGO® challenges, participants are sure to have a blast while learning along the way!

\*This class meets for 2 hours.\*

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**Title: BioInquiry****Teacher:** Jennifer James & Laura Palumbo**Ages:** 13yrs & up**Min/Max# Kids:** 4-14**Cost:** \$27

**Description:** Dive into biology through this hands-on, inquiry-focused study of the way life works. Examining phenomena at both microscopic and macroscopic levels, we'll observe, inquire, question and experiment with the natural world. Planned units for this class include: characteristics of organisms and cells, studies of organism communities in forests and pond microcosms, molecular basis of heredity and DNA, and microscope use and specimen preparation. In addition students will be encouraged to develop their own inquiry investigations as we work through planned activities. No specific prior science experience is necessary, although we will engage previous experience and knowledge as we inquire and construct new understandings. This is not a comprehensive or sequential introduction to biology but is a scientific inquiry workshop of biology topics. Selected class meetings will be held outdoors on the hiking trails at Oak Grove Nature Center so that we may conduct field work.

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**Title: Building With Legos****Teacher:** Aimee Lukas and Jessie Burnett**Ages:** 6-8**Min/Max# Kids:** 5-12**Cost:** Free

**Description:** This class will feature some light structure in the beginning of each period as the kids help sort Legos by size or color. After that, the kids will be encouraged to build freely, either individually or teaming up in small groups or pairs as their comfort level dictates. The children will return the Legos to the instructors at the end of each period.

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**Cultural Explorations Thru Anthropology****Teacher:** Sandy Jedziniak**Ages:** 13yrs & up**Min/Max# Kids:** 4-12**Cost:** \$11

**Description:** The world is filled with a seemingly endless variety of cultures, each with their own traditions, rules and expectations. Sometimes they look very much alike---but sometimes they look wildly different, in ways that you cannot imagine. Anthropology is the study of different cultures. In this course, we will study cultures from around the world. Students will learn how anthropologists analyze cultures, which means that they will learn the questions that anthropologists ask and study the evidence that anthropologists look for in trying to understand what makes one culture different from others. This raises questions such as: Are hunter-gatherers in the Kalahari Desert more affluent than people in the US? Does race exist elsewhere in the world or is it purely an American phenomenon? Are there more than 2 genders? Is genocide an outcome of our democratic organization? In the end, it is the study of human behavior. The world is much bigger and much different than the world immediately around you. This course will teach you how to understand the world in new ways and allow you to apply this knowledge to make better sense of our own society. Students will learn important anthropological concepts. The course aims to understand why people are who they are, and why they do what they do.

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**Title: Constitutional Law: Selected Topics from Current Events**

**Teacher:** Amy Kirschbaum

**Ages:** 15yrs & up

**Min/Max# Kids:** 3-8

**Cost:** Free

**Description:** In this class, we will discuss a constitutional law topic (or topics) relating to current events, such as the potential regulation of homeschoolers in Connecticut, various free speech issues, and the collision of different constitutional rights. Participants will need to read court decisions outside of class, and everyone will be expected to participate in the discussions.

\*The minimum age for this class is 15.\*

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**Title: Gym Games**

**Teacher:** Jennifer Owen

**Ages:** 9 yrs. and up

**Min/Max# Kids:** 3-15

**Cost:** Free

**Description:** Four square, kick ball, thumbs up seven up, and sharks and minnows! What do these all have in common? They are games that require a group! That's what we do in Gym Games!

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**Title: Improv For Kids**

**Teacher:** Jennifer Owen

**Ages:** 9-12

**Min/Max# Kids:** 5-12

**Cost:** Free

**Description:** Improv is a fun class where children will learn to "act out" in games and activities.

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**Title: Improv for Teens**

**Teacher:** Su Connor

**Ages:** 13 yrs and up

**Min/Max# Kids:** 4-12

**Cost:** Free

**Description:** Want to have some fun with theater games and short skits which could lead anywhere? Then join our Improv Troupe! In Improv, we will be spontaneous and creative and accept what we are given - if the group tells you that you are bicycling for the circus, then you'll go with it! This workshop is not just for natural hams; it's for anyone who wants to try something new and know that you will not be criticized for your performance. Every effort gets applause!

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**Title: Introduction to Photography**

**Teacher:** Tanya Willis

**Ages:** 9-12

**Min/Max# Kids:** 4-12

**Cost:** Free

**Description:** This is a perfect course for anyone brand new to photography or anyone with some knowledge. We will learn about the history of the camera and learn the basic techniques and have some fun with our photo adventures.

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**Title: Kindergarten**

**Teacher:** Jessica Smith

**Ages:** 4-5

**Min/Max# Kids:** 2-10

**Cost:** \$16

**Description:** Literature and project-based learning selected from The Peaceful Preschool curriculum. Activities include literature, counting, (gentle) phonics, fine- and gross-motor, and process-oriented arts and crafts. There will be an optional field trip available on Fridays related to the theme of the week.

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If your child is 4 yrs old, you may choose to register for either the Preschool OR the Kindergarten class.

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**Title: Literary Circle Book Discussion****Teacher:** Carrie Brody**Ages:** 9-12**Min/Max# Kids:** 3-12**Cost:** \$11

**Description:** As a class we will choose an award winning/book list book to read and analyze together. A literature circle explores not only comprehension, but also other aspects of literature, such as the author's choices and the reader's connection to the story. We will do an in depth literary review covering plot, setting, characters, predictions, outcomes, etc. The discussion will be student run (teacher monitored), each having a weekly role. The students will also prepare an end of book project together and write their own book critique.

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**Title: Math Games****Teacher:** Vivien Stenbridge & Jennifer James**Ages:** 6-8**Min/Max# Kids:** 4-10**Cost:** Free

**Description:** This class is a lovely way to introduce your child to the magic of mathematics. We'll engage the students with a series of math games that will be thought provoking and a lot of fun.

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**Title: Mixed Media Art 2****Teacher:** Jenna Rodriguez**Ages:** 9yrs & up**Min/Max# Kids:** 4-12+**Cost:** \$22

**Description:** We will continue our exploration of Mixed Media from Spring Semester using acrylics, gelatos, cray-pas, texture Paste, stencils, water colors and more! We will be doing work in our Life Journals and other projects as well. Mixed Media 1 is not a pre-requisite. New students welcome.

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**Title: Photography****Teacher:** Vivien Stenbridge**Ages:** 12 yrs and up**Min/Max# Kids:** 5-15**Cost:** Free

**Description:** In this photography class we will be learning about the history of photography, who its most influential artists were, and how they have shaped current photographic practices. There will be a new assignment each week. Students will be required to work on their photography outside of class and submit photos within the weekly project deadlines. Students will have the opportunity to further their technical skills in this class and, if desired, start shooting in manual. This is an advanced class that is meant to build on the classes taught in the past spring and fall sessions, but new students are welcome.

For this class, students must have:

A digital camera that they have use of during and outside of class

Access to email to submit weekly assignments

Access to software for editing photos (free online editing software can be found at [Pixlr.com](http://Pixlr.com))

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**Title: Pottery****Teacher:** Sonali Karim**Ages:** 9 yrs and up**Min/Max# Kids:** 6-10**Cost:** \$105

**Description:** Let's have some fun with clay! We'll learn a few different pottery techniques: pinch pot, slab and coil, use underglaze to add color, and finish by clear glazing our pieces. The pottery will be fired and ready for display on Share Day!

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**Title: Preschool Storytime and Craft****Teacher:** Lori Smith and Kathleen Sands**Ages:** 2-4**Min/Max# Kids:** 5-15**Cost:** Free

**Description:** Stories, songs, rhymes, finger plays, crafts and activities for ages 2-4. This class will be run as a cooperative this fall (because I will have a newborn baby and can't do it all myself). Each parent should sign up to lead (or co-lead) the class at least one week. Leading the class each week includes choosing the stories, music and/or rhymes and preparing the craft activities. Since each parent will bring the craft supplies for the week they lead, we will not have a fee for this class this fall. Please send me (Lori Smith) an email (l.symecko@cox.net) to indicate which date you would like to lead and if you have any questions.

If your child is 4 yrs old, you may choose to register for either the Preschool OR the Kindergarten class.

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**Title: Sew Fun!****Teacher:** Jennifer Owen**Ages:** 9 yrs. & up**Min/Max# Kids:** 4-10**Cost:** \$22

**Description:** Sew Fun is a class for all! We will be learning a variety of hand sewing methods. We will be making small stuffed animals, learning hand embroidery and applique, and learning about patterns and fabric. It is going to be so fun! Class fee includes fabric and materials, which will be provided.

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**Title: So You Want to be a Veterinarian****Teacher:** Kassandra Nielsen**Ages:** 9 & up**Min/Max# Kids:** 4-12**Cost:** \$11

**Description:** Calling all animal-whisperers! In this problem-based-learning class, we'll spend each session in our own imaginary Animal Hospital, treating all types of patients. We will use real case studies from actual pets (and wildlife!) and learn about how the body works along the way. From the pet's first presentation, to diagnosis, to treatment, we will solve the puzzle of how to help each pet. We'll even learn some K-9 first aid. Veterinarians use detective work, science, logic, and compassion, and you will too!

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**Title: Speedometry****Teacher:** Kaleitha Brown**Ages:** 6-8**Max# Kids:** 4-12**Cost:** \$6

**Description:** We will use Hot Wheels, Matchbox, Hess Trucks and other cars to explore concepts such as energy, force, and motion. Children will be introduced to fractions, bar graphs and charts to represent data, learn about patterns in data and practice measuring distance and making mathematical predictions. Most important, children will be encouraged to ask questions and create experiments to find the answers, and of course, play with toy cars!

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**Title: Story Telling With Puppetry****Teacher:** Jennifer James and Kristin Graham**Ages:** 6-8**Min/Max# Kids:** 6-12**Cost:** \$22

**Description:** Storytelling and handwork. We will begin each class with a classic story and learn different kinds of puppetry to tell the story. We'll start off with popsicle stick puppets and progress to creating a puppet theater with hand puppets. Each child will design and create their own puppet theater to take home with them. There will be art and craft work involved in this class.

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**Title: Teen Film Production Studio**

**Teacher:** Amy Adams and Marcus Palumbo

**Ages:** 13yrs & up

**Min/Max# Kids:** 6-12

**Cost:** Free

**Description:** Learn and apply skills in communication, story, technology, and project management while making fun movie projects with other teens. Students will work in groups or independently to produce short film projects. There will be possibilities to participate in all aspects of production, including writing, acting, directing, cinematography, editing, music, and graphic design. Students will group by type of project they want to create. Suggested project genres include documentary, comedy, educational, improvisational, parody, advertising/commercial, music video, and short drama. Instructors will partner with groups in developing projects and will assist in problem-solving.

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**Title: Writing In Different Forms**

**Teacher:** Condencia Brade

**Ages:** 13yrs & up

**Min/Max# Kids:** 4-12

**Cost:** \$10

**Description:** In this class we will sharpen your core writing skills while exploring different forms of writing such as short stories, resumes, and magazine articles just to name a few. Join us to enhance your skills for creative writing and beyond!

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**Title: Weaving I**

**Teacher:** Teri Reynhout

**Ages:** 9 yrs and up

**Min/Max# Kids:** 4-12

**Cost:** \$22

**Description:** Introduction to tapestry weaving through projects on small looms.

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**Title: Weaving II**

**Teacher:** Teri Reynhout

**Ages:** 9 yrs and up

**Min/Max# Kids:** 2-12

**Cost:** \$22

**Description:** Further explorations into Tapestry Weaving. Students will use the skills learned in the introduction to weaving class to create more complex projects. Students ages 12+ do NOT need to have taken Weaving I.

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**Title: Zoology**

**Teacher:** Heather Franzese

**Ages:** 13yrs & up

**Min/Max# Kids:** 4-12

**Cost:** \$9

**Description:** We will explore zoology through the use of presentations, videos and a variety of hands-on activities. We will study the main branches of the animal kingdom and learn about animal classifications, as well as their habitats, behavior, diets and adaptations.

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**\*\*Parent Supervised Gallery Play Time –** This is the time for children to play in the Gallery at the start of our Co-op Day. Parents are expected to supervise their own children during this time. This is the only time during our Class Day that the Gallery will be available for free play: during the rest of the day, the gallery space will be used for classes, and children who are not in class will need to be kept busy with a quiet activity with their parent, taken out to the field by their parent for outdoor play, or seek activities with their parent at sites away from the Lutz Museum during their free time (the Manchester Library on Main Street is one suggestion). Parent Supervised Gallery Play Time does not require registration and is only available to families registered for Monday Homeschool Classes during the current session.

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**\*\*\*Tabletop Open Play –** The tables in the gallery will be available for anyone wishing to participate in tabletop games during this time slot. Parents should coordinate amongst themselves to make sure an adult is available to supervise this activity. Tabletop Open Play does not require registration and is only available to families registered for Monday Homeschool Classes during the current session.

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**\*\*\*\*Supervised Field Play –** This is a time for children to play outside in the field and on the play equipment. Parents should coordinate amongst themselves to make sure an adult is available to supervise this activity and are welcome to organize games and/or provide sports/game equipment for kids to use during this time. Supervised Field Play does not require registration and is only available to families registered for Monday Homeschool Classes during the current session.