

# REED AFTER-SCHOOL ENRICHMENT 2017-2018 – SESSION 1

CLASS DESCRIPTIONS – 8 weeks of 1-hour classes starting Thursday, August 24 and running through October 23, 2017

**MONDAYS -----Aug 28 / NO SCHOOL Sept 4 / Sept 11 / Sept 18 / Sept 25 / Oct 2 / Oct 9 / Oct 16 / Oct 23----- MONDAYS**

**Up Up and Away: Aerospace Engineering** - During the Aerospace Engineering classes, engineering students will use the Engineering Design Process to design, create, test, and refine a variety of flying machines. They will construct a rocket designed to land within a target zone, design a parachute with limited materials that will make the slowest descent possible, and create a hot air balloon model that actually takes flight with weight attached! – By Engineering For Kids

**Learn JavaScript Code** - Students will learn how to work with Developer tools to integrate, debug and profile their code. We will develop a game using the basic concepts and learn the fundamentals of JavaScript programming. We will create our own version of Pac-Man and discover the vital concepts of object-oriented programming. JavaScript is the most widely used programming language for web development that has evolved over the years to be implemented in an array of environments from websites to robotics. – By ComputerWiseKids

**Shotokan Karate / BBJ** - Non-aggressive conflict resolution, disciplined, leadership, listening skills, physical exercise, stranger awareness, self-defense, anti-bullying – all mixed with a lot of fun! Sensei Jon is a Black belt Shotokan Karate / Brown belt Brazillian Jiu-jitsu who has been studying martial arts for the last 23 years and teaching kids for the last 7. He is a co-owner of Valley Martial Arts Center (VMAC) in North Hollywood.

**TUESDAYS -----Aug 29 / Sept 5 / Sept 12 / Sept 19 / Sept 26 / Oct 3 / Oct 10 / Oct 17----- TUESDAYS**

**Mock Trial, Speech & Debate** - **Continuing and Beginning students.** Are you a person of passion and conviction, with a love for critical thinking and dialogue? In this class, students learn to use logic and other rhetorical tools to support their positions and to express themselves succinctly and skillfully. Students learn to walk and talk with assuredness and purpose, overcome jitters, and deliver speeches with confidence and animation! - By Parker Anderson

**Gourmet Cooking** - **Continuing and Beginning students.** Come learn the tricks of a Chef, as instructor Chef Chris Allen and his Le Cordon Bleu-trained staff come to Walter Reed for cooking fun. This culinary team will give students a hands-on approach in creating in the kitchen while they learn some easy and delicious dishes from around the world. – Chef Chris Allen

**WEDNESDAYS -----Aug 30 / Sep 6 / Sept 13 / Sept 20 / Sept 27 / Oct 4 / Oct 11 / Oct 18----- WEDNESDAYS**

**Musical Theatre** – **For Continuing and Beginning Students.** Here's a class for beginner and experience performers, whether you are Broadway bound or you just love show tunes. Students will experience musical theatre and will explore acting, singing, movement for the stage, audition techniques, and character development, drawing from popular musicals. – Ms. Kim Steury

**Free Math Tutoring** – This class speaks for itself really. – Ms. Naomi Harper **\*\*\*Math Tutoring Starts Aug 23 and continues through Oct 25\*\*\***

**Games & App Design** – MIT App Inventor is a blocks-based programming tool that allows everyone, even novices, to start programming and build fully functional apps for Android devices. App Inventor is a cloud-based tool, which means that you can build apps right in your web browser. Students will drag-and-drop visual objects to create an application that can run. This class emphasizes that programming can be a vehicle for engaging powerful ideas through active learning. Students will make different applications, that they design, for specific use like entertainment or to work as a tool. - By ComputerWiseKids

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**THURSDAYS** -----Aug 24 / Aug 31 / Sept 7 / Sept 14 / **NO SCHOOL** Sept 21 / Sept 28 / Oct 5 / Oct 12 / Oct 19----- **THURSDAYS**

**Teen Cuisine** - This popular class with Ms. Wende Mintz is back. Favorite foods for fun and entertainment -- teenage comfort food at its best!!! In this fun and yummy class, students will learn how to bake a number of tasty desserts (like Fudge Varieties, Brownie-Raspberry Cookies, Cupcakes and Frostings), as well as easy, savory dishes (like Phyllo Dough Pizza and Garden Vegetable Soup). And, that's not all! Students will also learn how to bake a number of recipes of their choice. These "Teen cuisine" recipes will be sure to make a hit at the end of any day of the week! – Ms. Wendy Mintz

**Chess Club** - We introduce chess to students in a fun and exciting way! For all students and all levels, we teach students to play chess and help them succeed in school by stimulating their problem solving skills, analytical skills, and critical thinking. – By Parker Anderson

**Robotics 101: Robotics Engineering** - Students will learn the basics of designing, programming, and controlling a fully functional robot. Using LEGO® MINDSTORMS®, mathematical concepts, and engineering principles students will brainstorm, plan, test, and modify sequences of instructions to accomplish robotic tasks. Students will also learn the sequence of communication between the robot, and the programmer by collecting and analyzing data using the robot's sensors. – By Engineering For Kids

**Yoga, Yoga Theatre & Mindfulness** – **Beginners, Intermediate and Advanced students welcome.** The practice of mindfulness with the art and science of yoga. Over the course of eight weeks, students will practice yoga mindfully, learning to focus and relax simultaneously while paying to the present moment intentionally & non-judgmentally, with kindness and curiosity. Through yoga and mindful awareness practices students learn skills to make wise choices and create a more centered, balanced, peaceful, fulfilling and compassionate life. – Ms. Susan Ladd

**FRIDAYS** -----Aug 25 / **NO SCHOOL** Sept 1 / Sept 8 / Sept 15 / Sept 15 / Sept 22 / Sept 29 / Oct 6 / Oct 13 / Oct 20----- **FRIDAYS**

**Animal Invasion** – An Introduction to Biology and Animal Studies, Animal Invasion is a class for all Animal Lovers. Our Hands-On class with LIVE animals includes Reptiles, Amphibians, Mammals, Birds, Insects and Much More. Don't miss out on all the fun, games and mostly the animals! – By Parker Anderson

**Go Green: Environmental Engineering** - During the Environmental Engineering classes, students use the Engineering Design Process to design, create, test, and refine basic solutions related to alternative energy and environmental issues. They are challenged to discover alternative desalination methods to purify water design sails for a model boat sailing on an incline against a headwind, and develop solutions to clean up an oil spill with time and material limitations. – By Engineering For Kids

Subject Streams like Engineering, Animal Studies and Programming will continue in Sessions 2, 3 and 4 with new and exciting classes focusing on different aspects of the course of study.

**PAY FOR 4 CLASSES OR MORE AND RECEIVE A 10% DISCOUNT**