

# November Class Descriptions

**Academic Origami** will be filled with an assortment of fun and engaging projects for both the beginner and those that are advanced during our Thanksgiving Day Camp week!

**Academic Chess** class is an amazing, fun & exciting time with weekly chess strategies and tactics lessons for all levels. There are fun activities and outdoor games that reinforce chess principals. We have a giant chess set & board on-site (3 foot tall king!). Also, we host chess tournaments with trophies and prizes!

**Strategic Magic** class will introduce children to fun aspects of the performance art of magic. Students will learn different magic tricks that will wow and amaze their friends and family. Children will craft some of their own magic gear! Also, children learn motor skills, team work, performance skills and more! Many of the tricks can be performed at home with a deck of cards or some simple household supplies.

**FUNtastic Math Card Games** class is designed to reinforce a child's ability to solve mathematical equations with speed. Designed for all elementary math levels in a non-competitive environment. Children strive to beat their own times as they learn and play fun math card games with their peers. Addition/Subtraction games for those ages 5-7, Multiplication/Division/Fractions for those ages 8+

**LEGO® Engineering** is a super exciting class where children will learn about STEM concepts in a fun and creative way! Children will build structures with gears, wheels/axles, and pulleys. Some projects may even include motors!

**LEGO® Motors** class during Thanksgiving Camp week will be filled with projects like building an insect that walks, a dog robot that can be changed to be awake or sleepy, a street sweeper that actually sweeps trash, and a clock that keeps time without a motor! All made from LEGOs reinforcing STEM based concepts!

**First LEGO® League** is a hands-on STEM based Lego project and the Robot Game that solves real world problems. This year it is about HYDRO DYNAMICS. Students will work in teams to solve real world problems in the Project. Also, teams build, test, and program an autonomous robot using LEGO® MINDSTORMS technology to solve a set of missions in the Robot Game. Students are also taught Core Values that can be incorporated into everyday life situations. There is a \$100 Technology/Material fee due the first week. Class is eight weeks with a scrimmage tournament on February 3<sup>rd</sup> @ LEGOLAND. Class is limited to no more than 10 team members. This class is available for those ages 9-13.

**LEGO® MINDSTORM EV3 LAB** takes the competition out of First LEGO League and allows the students to explore and experiment with building and programming different radically cool robots! Instruction books available to learn and begin to master the basic programming features are provided as well.

**LEGO® Star Wars Storytelling** is a fun class that students learn about character development, symbols, settings, parts of a story and more! Also, they will have to solve problems where characters are in a tough situation and then use LEGOs to present a creative and innovative solution to the class. Other skills that will be developed in this class include writing, public speaking, creativity and team work! Each class will be different and will include fun STAR WARS® characters, mini figures, and themes! The class offers a fun adventure each week using the child's imagination!

**Lemons to Lemonade (PLAN)** - is the first of two hand-on classes that teach entrepreneurship at the elementary age level! Students will learn basic business concepts as they work together in teams of 3 and 4 building their very own product-based business! Whether it is actual lemonade, cupcakes, or some other original product, children will decide on a product and begin to develop their own start-up plan by setting goals, strategies, and action steps to make it a reality! Students assume various business roles, such as: President, Vice-President of Marketing, Vice-President of Accounting/Finance and more! During the last class the team actually gets to present the plan seeking actual money (\$0 - \$100) from a team of investors ("sharks") for the funding to start their company. The better the plan, presentation and understanding of business concepts, the more likely that those seeking the investment will get the maximum from a shark! The class is 8 weeks and students are encouraged to go all 8 weeks. *Note: This class is followed up by a future class called "Lemonade to Lemonade Stand" where the students will launch their business and sell their product to pay the sharks back and split their own profit to keep! Some parental supervision will be required during selling days. It is highly recommended that children plan to participate in both classes for the full benefit.*

**Lemonade to Lemonade Stand (LAUNCH)** is the follow-up program to Lemons to Lemonade. Students will take the funding that they gained from Lemons to Lemonade and begin to launch their business. All the aspects of their business plan will be put in place and students will spend 2-3 Saturday's (or another day) for 3 hours each selling their product. The first income goes to pay back the investor and their agreement and the rest is split with the team members for them to keep!

**Cash Crunch** is an exciting and fun game into the world of money. Students will learn about income and expenses. The game focuses on improving money habits through making smarter decisions. An exciting game offered during Thanksgiving Camp week! An alternative money game is offered to those 5-7 years old

**A.B.C. Science Experiments (Astronomy)** is a Awsome, Bizarre, & Crazy time discovering science through experiments! Children will learn about the earth, other planets, the sun, moon and stars in our solar system through conducting 2-3 experiments each class. In addition, students walk through the scientific method process understanding the purpose, materials used, procedure, hypothesis and results. Explanations of why the results were achieved are described in terms that are easy to understand. Your child will have a "blast" learning astronomy.

**Robotics** is a nuts and bolts class that allows students to work with a partner and develop the skills of assembling a different robot each week! Children will be learning computer programming skills as they sequence their robot to perform various commands. Due to the small construction pieces and programming aspects involved in this class, this is only recommended for children 8 years and older.

**LEGO® Storytelling** is an adventure into the realm of creative story making. Children work in teams to construct models with LEGOs using story starters provided by the coach and build various scenes to the story. Every story is different and nobody knows how the other teams story will end! Public Speaking skills are reinforced and taught as the student shares their story with the class.

**1-2-3 Draw!** is a class that teaches the basics of drawing using a step-by-step approach. Students learn the 5 basic shapes of drawing, symmetry, perspective, abstract art, and even attempt to draw something upside down revealing only one part of the project at a time! Multiple projects for all age levels (K-6<sup>th</sup>) as the students explore and learn the fundamentals of drawing.

**Strategic Board Game Bonanza** is a class that explores popular strategic based board games and the best strategies to win! Students are divided into 2 age levels (Level 1 (L1): ages 5-7 and Level 2 (L2): ages 8+) and taught the rules and best strategies for the games. Children will be participating and playing with their peers exciting games like: Monopoly Jr.(L1)/Monopoly (L2), Stratego(L1)/Risk(L2), Various Checker Games(L1)/ Backgammon(L2), Dominos(L1)/Tri Onimos(L2), and Qwirkle (L1)/Blokus (L2). is an exciting game filled class and not a class that will leave your child "board" (bored)!