

Science, Technology, Engineering, Arts & Math STEAM Summer Camp 2017

Week 1: Maker Space (June 12-16)

Be ready to let your imagination run wild! If you love to dream up and invent things, then this is the camp for you. You will make your own Bristlebot to compete in the Bristlebot Games, explore with Makey Makeys, learn how to make a paper circuit, make a battery out of pennies, and spend time in a makerspace room full of materials for putting your ideas into action. You will spend time in the Lego lab inventing a solution to the challenge presented to you. This camp will include a swimming day and a trip to **Westgate Lanes** to bowl. In addition, you will get to experience a maker space brought to us by ***Austin Tinkering School**.

Week 2: Logical Minds (June 19-23)

Do you like to decipher problems, figure things out, and solve puzzles? This week you will reason out logic puzzles, play escape games, solve a panic box and create your own escape activity. You will participate in challenge games and other activities. **Austin Panic Room** will set up a room at Small and you will have the opportunity to work with a group to escape before your time is up. This camp will include a swimming day and a trip to **Westgate Lanes** to bowl.

Week 3: Crafting the Mind II: Coding Continued (June 26-30)

Do you like to code or want to learn how to code? This camp will meet the needs from Newbie to Seasoned coder. This week you'll be using a variety of coding programs (Scratch, App inventor, etc.), learning about some computer languages (Python, Ruby, JavaScript, etc.) and participating in some "unplugged" coding activities to learn more about how coding works. You'll also get to explore using a Makey Makey to control the computer with unusual objects. This week (in addition to swimming) we will be traveling to **Urban Air Trampoline Park** where we will also enjoy pizza for lunch!

Week 4: Summer Science (July 10-14)

You will cool off this summer as you explore the theory of matter, phase change, and chemistry by conducting experiments with dry ice. You will likely get wet as you discover the science behind bubble-ology while working to create the biggest or longest lasting bubble, learning to predict when a bubble will pop and more. You are guaranteed hands on experiences while learning about aerodynamics, chemical composition, surface tension, etc. In addition you will learn about the properties of substances as you make your own personal brand of toothpaste, or cola while investigating Secret Formulas. This camp will include a trip to **Hill Country Science Mill** where we will have the opportunity to explore more than 40 hands on engaging exhibits and the creation of a 3D augmented-reality avatar to guide our visit!

Week 5: Survivor Iceland: Outwit, Outlast, Outplay! (July 17-21)

Outwit, Outlast, Outplay as you compete with your tribe and individually in physical, mental, endurance, and reward challenges! You will compete with other campers your age and be challenged to work together to solve problems and build on the strengths of each other. Tribes will work together to maneuver obstacle courses, including a large inflatable course. In addition, you will learn some about Iceland: people, culture, food, fun facts, etc. This week we will travel to **Austin Parks and Pizza** where you will have access to playing unlimited bumper boats, go karts, mini golf, rock climbing, and laser tag!

*Each week will include a swimming trip to **Deep Eddy Municipal Pool**. Camp registration fee includes two snacks each day and a hot lunch served in the school cafeteria. Campers may always bring lunch and/or snack from home. Some field trips may require a sack lunch from home.*

**Some camp activities subject to change*