

2017 Extreme Science Camp

	Monday, July 10th	Tuesday, July 11th	Wednesday, July 12th	Thursday, July 13th	Friday, July 14th
8-9 AM **	Reading, Science Board Games	Reading, Science Board Games	Reading, Science Board Games	Reading, Science Board Games	Reading, Science Board Games
9-10 AM	INTRO TO SCIENCE (9-9:30) Periodic Table: Why do we need it? What does it tell us?	Introduction to Algebra: What is X, and why does it matter? Functions.	Newtonian Mechanics: Projectiles, Gravity, and Force, OH MY!	Introduction to Logic and Programming: What is a Program? Why are they Important?	The Cell: From Plants to Animals and Back Again
10-11 AM	ION Building Game Periodic Table Art	Games: Functions and Match Puzzles to twist your brain!	Catapult Wars! We will use ballistae and catapults to launch water balloons at each other and at targets. (In the name of science, of course!!)	Games: Code Monkey Island, Robot Turtles, Code Master	Games: Virus! Compete to be the most infective virus out there!
11-12 AM	Chemistry Demos: Sodium Metal, etc.	Math Art: Tessellations Demos: Graphing exotic functions	Physics Art: Spirograph, Spin Art, Physics Diagrams	Pixel Art! Creating old-school computer graphics art. We will also be looking at 3D printed art.	Art: Students will build a 3D plant or animal cell.
12-1 PM	LUNCH - Games & water.	LUNCH - Games & water.	LUNCH - Games & water.	LUNCH - Games & water.	LUNCH - Games & water.
1-2 PM	Introduction to Organic Chemistry: What is it, and why does it matter?	From Galileo to Gauss: Famous Functions and Their Impact.	Fluid Dynamics & Properties of Water, Especially as they Apply to Water Cannons	Hello World! An Introduction to Coding and Programming	Enzymes! What are they and how do they work?
2-3 PM	Art: Build your own molecule! Game: Organic Chemistry Structures	More Math Art: Spirolaterals, Mobius Strips, Fibonacci Circles.	Physics Hands On: Build Water Cannons & Battle (weather permitting)	Python: First look at how to write a program! (Laptops or iPads required)	Enzyme Lab: We will perform a chemical reaction with and without the presence of enzyme.
3-4 PM	Hands on: Acid and Base Indicators, pH, and Titrations	Hands ON: Coin Tosses and Dice Rolls: Is anything REALLY random?	Electricity and Magnetism. Ring Toss, Drawing Magnetic Fields, Compasses.	More Programming. One-on-one help.	Camp OUTRO. Surprise Science Party.
4-5 PM **	Reading, Science Board Games	Reading, Science Board Games	Reading, Science Board Games	Reading, Science Board Games	Reading, Science Board Games

**Optional pre- and post-camp hours, extra fees apply.