

Eagle Creek Academy ~ Summer 2024 ~ Grades 4 & 5

- Every week, each class has planned challenges in kid-cooking, crafts, science and engineering.
- Every week, each class has free time for water fun, free art, outdoor sports and recess.
- Our teachers, themes and activities may change without notice.

Wk	Dates	Theme	Kid-Cooking	Crafts	Science	Engineering
1	June 10-14	Kitchen Science	Color-changing lemonade S'mores	Juice pouch stomp rocket	Strawberry DNA Cabbage pH Testing iron in cereal	Marshmallow PVC shooters
2	June 17-21	Renaissance	DYI ice cream	Stained glass art		Make shields, catapults & crossbows
3	June 24-28	Grossology	Edible dirt	Make a robotic hand Edible coral polyps	Dissect an owl pellet Capacity of a diaper	Make a pumping heart
4	July 1-3 & July 5	Electric Tricks	Electric food buffet Sparkling drinks	Electromagnetic copper battery train Tiny dancers battery	Potato clock Make goop jump Make water bend	Kid 3D printing
5	July 8-12	Animal Mania	Frozen banana Animals Biscuits Dog biscuits	Clay animals Cast an animal track	How fish float Poop adaptations	Lego zoo Create the strongest chain from paper
6	July 15-19	Brainiacs	Homemade muffins Spaghetti brains	Pentominoes Dubuffet paper sculpture	Muffin taste test	Make a 3D maze PVC Marble run in our sandbox
7	July 22-26	Olympic Sports	Electrolyte drinks Power snack mix	DIY pinhole camera DIY bouncy ball DIY slap bracelet	Measure momentum	Ramps with the fastest & most efficient angle
8	July 29 - Aug. 2	Out of this World	Pretzel & marshmallow constellations	Perfect balance sculpture Paint a rock to leave on Mars Oil & water layers of	Generating water in space Binocular rivalry	Lego space station Appollo lunar lander

				the atmosphere		
9	Aug. 5-9	Candy Science	Martha Stewart fruit jellies Homemade peanut brittle	Make a magnifying glass Homemade sugar bubbles	Dissect candy bars	Candy catapult
10	Aug. 12-16	Around the World	Tropical fruit salad	Hieroglyphics name cartouche	Leaning Tower of Pisa Cardboard pyramids	Making flubber
10	Aug. 12-16	Coding	Students will learn the basics of coding using drag and drop code in Scratch to code their own adventure, use drag and drop code and write programs to make Sphero a Hero and an Olympian and create their own playable, multi-level video game using Bloxels.			
11	Aug. 19-23	Fairy Tales	Homemade Gingerbread Rock candy crystals	Paint a big wall mural Make a nutcracker	Use a compass	Build a compass Build a house that won't blow over
12	Aug. 26-30	Off to the Races	Power brownies	Me in a green screen Origami jumping frog	Make a motor	Balloon powered car Balloon hovercraft Zipline transport race