



EICK 2024 Summer Camp

Science behind carnivals

KG Prep & SA



May

- 28th- 31st: Welcome Week. Establish rules & routines. Establish water days with other classes and technology days.

June

- 3rd-7th: Introduce **Scientific Theory** and theme. Learn about careers that go along with the theme. Engineers, Physicist, Mechanical Engineer.
- 10th-14th: **Designing** Paper roller coasters, VR Goggles.
- 17th-21st: Balance beams -Marshmallows and wooden sticks. can your design hold something? (**Balance**)
- 24th-28th: Carnival Game (**design and collaborate**) Dunktanks? Pie machine? Relay races? Balloon games? Bottle games-does the water inside help bottles fall or keep them from falling over?

July

- 1st-3rd: (Short week) Firework arts and craft, school picnic, water days and popsicles.
- 8th-12th: Curved mirrors (**concave & convex**) and carnival food. (Dipped caramel apples, homemade cotton candy, popcorn)
- 15th-19th: Marble run roller coasters from foam tubes. (**Centripetal force**) (**momentum**)
- 22nd-26th: Popsicle stick catapults. (**Potential Energy**)
- 29th-Aug 2nd: Mini golf courses

August

- 5th-8th Carnival week & Parent showcase.

