



AMUSEMENT PARK ADVENTURES CURRICULUM

Design your own Amusement Park in this super fun program! Bring to life and learn the physics and engineering concepts of your favorite fast, dropping and spinning carnival rides! Can you design the next Disney World?

In Snapology's Amusement Park Engineering class, students will become engineers of their own amusement park rides and will learn the core physics and engineering by examining how the concepts of centripetal and centrifugal force, potential and kinetic energy, gravitational force, and angular momentum apply to the engineering used to make a ride thrilling!

In addition to exploring the basic mechanisms and forces that make amusement park rides so fun, students will also be taught the surprising history of how rides like the Ferris Wheel, Swing Ride, and Bumper Cars came to be.

Snapology programs are structured to positively encourage critical thinking and teamwork to solve problems independently and efficiently offering students an environment to learn 21st century skills. Our tools and technology enable them to explore solutions through hands-on "playful" learning.

ACADEMIC ENRICHMENT

- Explore the scientific method and engineering design process
- Develop appropriate strategies for logical problem solving
- Learn about mechanical movement and energy
- Potential and kinetic energy, gears, pulleys, motors

