Mega Machine Robotics

In Snapology's Mega Machine Robotics class, your child will create some of their favorite motorized vehicles. Students will learn about gear ratio, sensors, pulleys, cranks, and programming as they build trucks, space rovers, helicopters, and much more. Your child is sure to have fun as they build, learn, and play.

What The Students Will Learn:

- **Simple Machines**
  Students will learn about several simple machines throughout the class. While learning about pulleys while creating a garbage trucks and sea cleaners. They will also begin to think critically about their surroundings and realize all the simple machines they use every day.

- **Axles, Gears, and Motors**
  Children will learn about the importance of axles, gears, and motors in mechanical movement. They will actively experiment with these components to create their robots, while facilitating a deeper understanding of mechanics.

- **Programming Skills**
  Each week, children will be given a program to operate their robotic build. Students are then encouraged to use critical thinking and programming skills to enhance their robot’s program. Whether making their build respond to motion and tilt sensors, adding loops, or creating fun sounds, children will learn valuable programming skills in an easy to use, drag and drop programming format.

- **Teamwork/Partner Skills**
  At Snapology, teamwork is essential for creating a fun and productive atmosphere while practicing social skills. Your child will work with a partner to create each robot and solve each challenge presented in class.