



ENGINEERING WEEK

Monday

Activity: DIY Paper Rollercoaster

Tuesday

Field Trip: SCRAP - Creative Reuse

Wednesday

Activity: DIY Robot or Car

Thursday

Activity: DIY Telescope

Friday

Activity: Build a Robot Hand

About Engineering Week



Engineering Week is packed with exciting, hands-on activities that will ignite creativity and problem-solving skills in kids! They will explore the wonders of space, design paper roller coasters, build telectroscopes, and create robots and moving cars using recycled materials. A trip to Scrap Creative Reuse will spark their imagination with a wide variety of materials.

Throughout the week, kids will dive into the world of engineering, building everything from roller coasters to robot hands, all while learning important science and engineering principles.

1- Monday



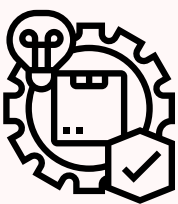
In this activity, we'll put our engineering skills to the test by designing and building paper roller coasters! Using just paper, tape, and other simple materials, kids will create their own roller coaster tracks, complete with loops and drops, to send a small ball on an exciting ride. This hands-on challenge will teach principles of physics, such as gravity and motion, while encouraging creativity and problem-solving.

2-Tuesday



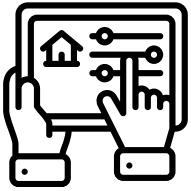
We're headed to Scrape Creative Reuse for a field trip that's all about sparking creativity! At Scrap, kids will explore a treasure trove of recycled materials to inspire their designs. They'll have the chance to gather items and use their imagination to build their robots or moving cars. Kids will learn how to turn everyday objects into innovative creations.

3-Wednesday



In today's project, kids will take the materials they collected yesterday from Scrap and begin designing and building their robots or moving cars. Using their creativity and the collected items, they'll apply engineering principles to assemble and test their creations. This activity will help kids figure out how to make their designs move and function, all while exploring the exciting world of robotics and engineering.

4-Thursday



Today, We're going to build our very own telescopes! Using simple materials like lenses, cardboard tubes, and tape, kids will create a functional telescope that lets them explore the world around them in a new way. This project will teach basic principles of optics and focus, helping kids understand how telescopes work to bring distant objects into clear view. It's a hands-on activity that combines creativity and science while sparking curiosity!

5-Friday



Today, we are excited to create a robotic hand using common household items! By utilizing materials like straws, string, cardboard, and rubber bands, children will design and construct a working robotic hand that replicates the movements of a real hand. This project will introduce fundamental concepts of mechanics and engineering, helping kids grasp how joints and levers function. It's a fun and engaging way to delve into robotics and engineering with everyday materials.