



ENGINEERING WITH EMPATHY



The Bureau of Labor Statistics expects the engineering field to experience a 4% job growth increase between the years 2021 and 2031.



OVERVIEW

This unit will introduce students to the basics of engineering through a mix of exciting, exploratory activities that can be taught in both centers and during whole group instruction time. Supporting the learning with literature, manipulative activities, and time with technology, students will see how engineering is all around us and can be used in empathetic ways to solve problems.

Instruction Time: 4 Week Unit

IN THE KIT

- LCD Writing Tablet/10 inch doodle board
- Magnetic Robot Building Set
- Mix and Match Robot Lab
- Construction Paper
- Glue Sticks
- Simple Machines Activity Sets
- Tool Kits
- Marble Run Packs
- Build Your Own Toy Car and Truck
- Wooden Tabletop Paper Dispenser
- Tabletop Paper roll refill paper
- Tinkertoy Set
- Dot Grid Notebooks
- Learning Locks
- Pan Balance
- Stuffed Animals
- The Most Magnificent Thing (Book)
- How Do You Lift a Lion? (Book)
- Gears! Gears! Gears! (Books)
- If I Built a Car (Book)

SOFTWARE/APPS



The Cat in the Hat Invents
iOS and Android



Play and Learn Engineering
iOS and Android



Jet's Bot Builder: Robot Games
iOS and Android

Device Compatibility: iPads, most Chromebooks or Android Tablets with Google Play Store

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