

LEGO Workshops!



Everyone loves Legos! In this Lego Challenge, Brett leads everyone on a pirate and mermaid themed adventure. While this workshop teaches STEM curriculum, the kids will be having so much fun they won't notice they are learning. The adventure begins with everyone "making a friend". In other words, everyone will get to make a Lego minifigure. Then each challenge will be building things for that minifigure including a raft, a bridge, tools, etc. Brett will bring enough supplies for two hundred minifigures and thirty pounds of Legos. This workshop is designed for kids six and up.

THE LEGO WORKSHOP

STEM EDUCATIONAL STANDARDS

Crosscutting Concepts

Scale, proportion, and quantity, Structure and function, Cause and effect: Mechanism and explanation, Scale, proportion, and quantity

Science and Engineering Practices

- ⇒ Asking questions and defining problems
- ⇒ Developing and using models
- ⇒ Planning and carrying out investigations
- ⇒ Obtaining, evaluating, and communicating information

Vocabulary

Area, Float, Force, Load, Sail, Sink, Stable, Unstable, Stable, Unstable, Load, Weight, Fair, testing, Measuring, Safe, Balance, Mass, Position, Weight,

Speaking and Listening

SL.K.3 / SL.K.6 / SL.1.3 / SL.1.5 / SL.2.1 / SL.2.3

Common Core State Standards for Mathematics

- ⇒ Mathematical Practice
- ⇒ MP1 Make sense of problems and persevere in solving them
- ⇒ MP5 Use appropriate tools strategically
- ⇒ MP6 Attend to precision
- ⇒ MP7 Look for and make use of structure

Measurement & Data

K.MD.A / 1.MD.A / 1.MD.C / 2.MD.A / 2.MD.D

Writing Standards

W.K.2 / W.1.2 / W.2.2