

SIMPLY MACHINES PRE-VISIT SUPPORTS



We hope you enjoy these supports as you prepare your students for their Simply Machines field trip experience with CMoR. We encourage you to use these resources to help students anchor their learning!

VOCABULARY

Key words to introduce prior to your visit.

Engineering: the use of science and math to design or make things.

Engineer: one who uses math and science to design or make things.

Simple Machines: machine that lessen the force needed to do work. They include: a lever, wheel and axle, inclined plane, wedge, screw, and a pulley.

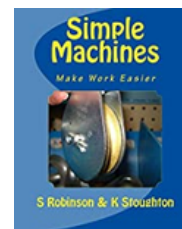
Compound Machine: a combination of two or more simple machines such as a wheel barrow, scissors or a bicycle.

BOOK SUGGESTIONS

Dive into learning before the big day!



Rosie Revere, Engineer
By Andrea Beaty



Simple Machines Make Work Easier
By K Stoughton & S Robinson



Simple Machines: Wheels, Levers, and Pulleys
By David A. Adler

VA. STANDARDS OF LEARNING

SCIENCE:

- Scientific & Engineering Practices
 - K.1 (b, d)
 - 1.1 (a, d, e)
 - 2.1 (a, b, d, e)
 - 3.1 (a, b)
- Force, Motion, & Energy
 - K.2 (a, b, c)
 - 2.2 (a, b, c)
 - 3.2 (a, b, c, d)