

Quick Start Guide

LEGO® Education Simple Machines

1. Unpack and Organize

Unpack the LEGO® brick set.



Use the sorting tray to sort the elements. The lid card shows how we recommend you organize the pieces.



Students can sort the remaining boxes during the first lesson.

2. Teacher Preparation

Download the curriculum pack from the URL that is printed on the lid of each set, or visit: www.LEGOeducation.com/start



Select one of the following simple machines: gears, wheels and axles, levers, or pulleys.

The recommended progression is:

1. Principle Models (teach Simple Machines principles)
2. Main Activities (apply the principles to real-world investigations)
3. Problem-Solving Activities (solve open-ended problems using the set)

To see standards alignment view our curriculum mapping.



3. Classroom Preparation



Plan to spend one to two lessons, depending on whether you are working on the Principle Models, Main Activities, and Problem-Solving Activities.

These four tools can help you to facilitate each lesson:

Images for Classroom Use: Images to help ignite a discussion with your students.



Teacher's Notes: Guided questions, related subjects, theoretical background information, assessment rubrics, recommendations for how to structure your lessons, and an Observation Checklist that can be used to track your student progress.

Building Instructions: Help your students to build independently.



Student Worksheets: Guide the students through the learning experience and with a self-assessment rubric.