GEAR UP FOR INTRODUCING THE SIMPLE MACHINES

Benefits of buying the Simple Machines Set

- A perfect system for teaching the key curriculum areas of simple and compound machines
- 16 principle activities leads to four main activities and four problem-solving tasks that students find interesting and compelling
- Teacher's guide provides everything needed for easy in-depth introduction, such as teacher's notes, teaching sequences, and student worksheets
- Includes Images for Class Use, a collection of photographs, pictures, drawings, and illustrations, which can be used to support your teaching
- Building instructions feature an element overview for easier model build and easy classroom management

Math
Investigate
Predict
Science
Engineering
Record
Observe
Technology

NEW

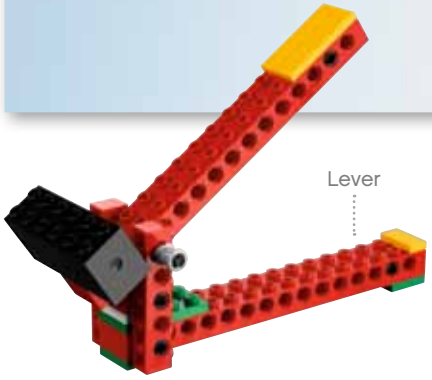
LEGO education

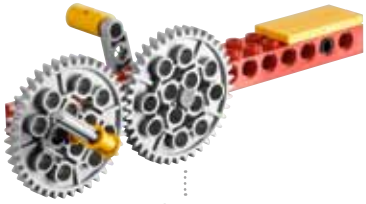
The best way to fully grasp the principles of simple and compound machines

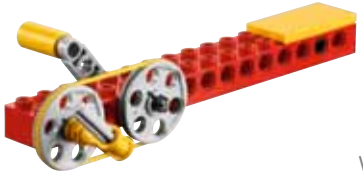
Designed for students aged seven and up, the Simple Machines Set is an excellent solution for introducing gears, wheels and axles, levers, and pulleys. The engaging, hands-on activities build key curriculum skills within science, technology, engineering, and math. Working in pairs, students get a step-by-step introduction to the simple machine in focus, and learn to understand and apply the correct technical vocabulary.

Specific learning targets covered include:

- **Science:** Observing and investigating simple machines: gears, wheels and axles, levers and pulleys; developing scientific inquiry skills, fair testing, predicting and measuring, collecting data, and describing outcomes.
- **Technology / Engineering:** Identifying a need or problem; following a design brief, building a model, testing and evaluating, and applying the relevant vocabulary.
- **Math:** Counting, drawing geometric shapes, calculating, measuring, and predicting outcomes.







Activity Pack features a flow of 16 principle activities, four main activities and four problem-solving activities. Includes inspiring teaching sequence with teachers notes, student worksheets, images for classroom use, classroom management tips, glossary, and element survey.

Paving the way for later key stages

Planning ahead, Simple Machines Sets also prepare your students for working with the Simple & Powered Machines range where they investigate more complex mechanisms, renewable energy, pneumatics and much more. Find information about Simple & Powered Machines at **LEGOeducation.com.**

Getting started in the classroom

Can't wait to get started? Here is what you need for a classroom of 24 students:

Classroom Solutions

Starter Set 2-3 students	1 x 9689 Simple Machines Set	1 x 2009689 Activity Pack for Simple Machines Set
Classroom Set 24 students	12 x 9689 Simple Machines Set	1 x 2009689 Activity Pack for Simple Machines Set

Dealer Stamp

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