Make science come to life

LEGO® Education WeDo 2.0 delivers real-world science projects to elementary classrooms. The unique combination of the LEGO® brick, classroom-friendly software and standards-based projects make science come to life by putting discovery directly in the hands of students.

About WeDo 2.0

It supports key learning values for elementary science

• Develops science and engineering practices including: asking questions and solving problems, investigating, analysing and interpreting data, creating evidence based arguments and obtaining, evaluating, and communicating information.
• Engages students in science learning by making it real and relevant.
• Improves problem-solving, critical thinking, communication, and collaboration skills.
• Integrates digital tools to improve computational thinking skills.
Put scientific discovery in your students’ hands

Are you looking to ignite every student’s curiosity and enhance their skills in science, engineering, and coding? WeDo 2.0 supports you all the way, by delivering an inspiring and complete teaching resource that builds students’ confidence to ask questions, define problems, and design their own solutions.

Structured projects built on National Standards

WeDo 2.0 features motorised LEGO® models, relevant technology, and clearly structured, standards-based projects; providing a platform that motivates and engages students to explore science and engineering by investigating, modeling, and designing solutions.

There are three types of WeDo 2.0 projects...

• 1 Get Started Project, divided in 4 parts, to teach the basic functions of WeDo 2.0
• 8 Guided Projects linked to curriculum standards, with step-by-step instructions
• 8 Open Projects linked to curriculum standards, with initial design brief that inspires open-ended problem solving and exploration

...all follow a consistent structure...

LIFE SCIENCE
Investigate life cycles, habitats, traits, environmental changes and more.
Example project: Model a frog’s metamorphosis and identify the characteristics of the organism at each stage.

ENGINEERING
Design projects involving constraints, prototype and test models.
Example project: Create a solution to assist with the rescue of animals in dangerous situations.

PHYSICAL SCIENCE
Explore forces and motion, cause and effect, and more.
Example project: Investigate the factors that make a car go faster, to help predict future motion.

EARTH AND SPACE SCIENCE
Discover the various climates, research of weather patterns and examine weather-related hazards.
Example project: Design an automatic LEGO floodgate to control the water level of a stream according to various precipitation patterns.

Hands-on materials they’ll want to get their hands on:

The Core Set serves two students, provides a building experience that promotes experimentation and includes:
• WeDo 2.0 SmartHub
• Medium motor
• Motion and tilt sensors
• Plenty of LEGO® System elements
• Storage bin including sorting tray with labels
• Two students to one core set ratio to boost collaboration skills

Curriculum-relevant teaching material

WeDo 2.0’s engaging content also meets national standards, providing:
• 40+ hours of science projects for grades 2-4
• Projects across Physical Sciences, Life Sciences, Earth and Space Sciences, Engineering, Technology and Application of Science
• Learning grids, assessment tools, ideas for differentiation and tips and tricks for better classroom management

Intuitive software and an informative getting started project:

WeDo 2.0 features relevant, classroom-friendly technology to enhance your science lessons. It provides:
• Simple and colourful drag-and-drop programming
• Support across desktop and tablet devices
• Get Started Project
• Digital documentation tool that supports the collection of information

Comprehensive teacher support:

None of us ever stop learning, so WeDo 2.0 includes:
• Professional development programmes developed and provided by certified trainers, available through in-person training or our E-Learning platform
• Assessment grids and rubrics
• Access to an online network of teachers for sharing and viewing content
Some teachers prefer to create lessons based on their personal teaching ideas, while others are more comfortable when they can follow a clearly-defined lesson plan. That's why WeDo 2.0 comes in two distinct bundles, to offer all the freedom or support you could ever wish for: YouCreate and ReadyGo.

**WeDo 2.0 ReadyGo - delivers full teaching support**

For the educator wanting the complete WeDo 2.0 solution including more than 40 hours of ready-made guided and open projects, this is the pack for you. ReadyGo provides teachers with full teaching support from implementation to curriculum activation and includes:

- WeDo 2.0 Core Set, Software, and Get Started Project
- WeDo 2.0 Curriculum Pack
- E-learning 2 Program - delivers comprehensive implementation support

**WeDo 2.0 YouCreate - create your own projects**

For teachers looking to create their own WeDo projects, this solution is right for you. The WeDo YouCreate bundle is intended to coach educators on the fundamentals of the WeDo system, enabling the development of personal ideas and includes:

- WeDo 2.0 Core Set, Software, and Get Started Project
- E-learning 1 Program - delivers tips and tricks for creating your own projects

In addition to our recommended bundles, you can also purchase WeDo 2.0 items individually to create your own solutions.

Find out more and select the bundle that best meets your needs at LEGOeducation.com

Laptop and tablet devices not included with the bundles.