

STEM is important for a ton of reasons, mostly having to do with the grit that it instills in kids who actually try.

– **Mark McCombs**, Founder of Renaissance Jax and TEDx Talk Speaker, Jacksonville, Florida

Bringing Best-in-Class STEM and Robotics Tools to the Classroom

LEGO® MINDSTORMS® Education EV3 is a hands-on, cross-curricular STEM solution that combines LEGO® Technic™ elements, classroom-friendly software, and standards-aligned lessons to spark creative confidence and critical thinking. This solution tackles subjects like engineering, coding, and physics with intuitive guides and smart bricks and puts real-life STEM topics right at students' fingertips.

Standards-aligned Unit Plans

Designed with collaboration in mind, each core set comes with a getting-started guide, video tutorials, and materials to support two students providing them the resources to design, build, and program their creations. More than 100 lessons based on recognized NGSS and CSTA-aligned standards allow for an engaging and effective learning environment.

LEGO MINDSTORMS Education EV3 offers lessons for:

- Coding
- Engineering
- Technology
- Science
- Maker

To learn more about content and activities, visit LEGOeducation.com/lessons.



SOLUTION INCLUDES

CORE SET & SOFTWARE

EDUCATION EV3 CORE SET
EV3 LAB & EV3 PROGRAMMING

UNIT PLANS

EV3 DESIGN ENGINEERING PROJECTS (GR. 6-8)
EV3 CODING ACTIVITIES (GR. 6-8)
EV3 MAKER ACTIVITIES (GR. 6-8)
EV3 REAL-WORLD VEHICLES (GR. 9-12)
EV3 COMPUTER-INTEGR. MANUFACTURING (GR. 9-12)

UNIT PLANS WITH ADDITIONAL PARTS REQUIRED

EV3 SPACE CHALLENGE
EV3 SCIENCE

SUPPORT

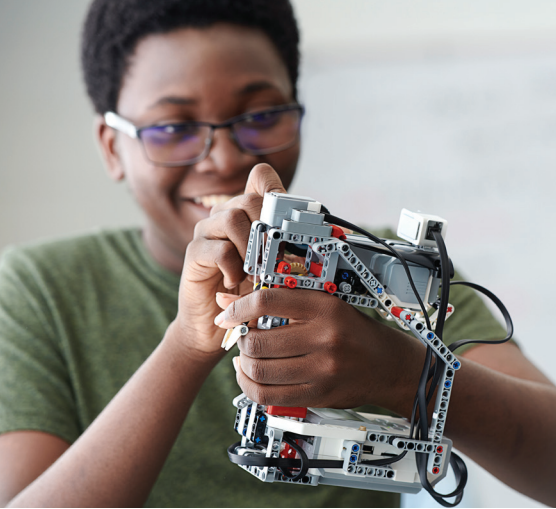
GETTING STARTED TUTORIALS
EV3 TEACHER GUIDES
ASSESSMENT TOOLS & TECHNICAL SUPPORT

ADDITIONS

EXPANSION SETS

EV3 SPACE CHALLENGE SET
RENEWABLE ENERGY ADD-ON SET & TEMPERATURE SENSOR
EV3 EXPANSION SET

ACCESSORIES & REPLACEMENT PACKS
TRAINING & PROFESSIONAL DEVELOPMENT



Works with Your Choice of Operating System and Coding Platform

Supported platforms:

- iOS
- Chrome
- Windows
- Mac
- Android

See specifications at education.lego.com/en-us/support/mindstorms-ev3/software-requirements.

Compatible coding platforms include:

- Python (MicroPython)
- Swift Playgrounds™ from Apple
- Microsoft MakeCode
- Scratch
- CoderZ
- Open Roberta Lab

See more details at LEGOeducation.com/compatibility.



Competition and Afterschool

LEGO MINDSTORMS Education EV3 also brings this creative spirit outside the classroom into robotics clubs, coding programs, and maker spaces. Interested in taking the next step?

Visit education.lego.com/en-us/afterschool/competition

About LEGO® Education

From preschool to middle school and beyond, LEGO Education provides a continuum of hands-on, playful learning tools that engage every student's natural curiosity and help them develop the skills and confidence they'll need in the future.

Jump-start STEM Learning in your classroom with LEGO MINDSTORMS Education EV3 for Secondary School.

Learn more at LEGOeducation.com.

A LEGO Education Continuum of Learning

Studies have shown that being physically engaged before, during, or after learning something helps your brain retain that information better. LEGO Education believes that hands-on learning is an effective way to teach students of all levels skills like problem-solving, critical thinking, and more. Whether you are working with the youngest students just beginning to make sense of the world around them, or teaching design engineering principles to advanced learners, sound STEAM solutions from LEGO Education help you engage your students with real-world, relevant projects.



EARLY LEARNING

STEAM Park
Coding Express
and many more



PRIMARY

WeDo 2.0
Early Simple Machines
Simple Machines

SECONDARY



LEGO® Education SPIKE™ Prime