



"Hands-on learning has benefited many young minds. As we continue to grow in this area, emphasis on creative and meaningful hands-on experiences should be used to reach a greater and more diverse population of students."

Lynne Boucher
STEAM Director & Educator

SECONDARY SCHOOL

LEGO® Education SPIKE™ Prime

The go-to STEAM learning solution for secondary school students, preparing them to be confident creators in an ever-changing world shaped by technology.

Part of the LEGO® Learning System, SPIKE™ Prime engages all students in thinking critically, analyzing data, and prototyping creative hands-on solutions for complex problems with real-world relevance. From easy-entry lessons to advanced experiences, students of all learning levels build their confidence and resilience along with the 21st-century skills that are vital to their future success.

Flexible built-in scaffolding and competency-based professional development opportunities make it easy for teachers to get started and move from one unit to the next.

Learn more about SPIKE Prime at: LEGOeducation.com/SPIKEprime



SECONDARY SCHOOL

LEGO® Education SPIKE™ Prime

Classroom Set (45678)

- 528 LEGO® bricks (including replacement pack)
- LEGO® Education SPIKE™ App (student-facing app including all learning activities)

Support for Teachers

- Comprehensive lesson plans featuring 50 hours of instructional content
- Onboarding and introductory material
- Classroom implementation support
- Assessment tools
- Hybrid learning resources
- Self-guided professional development

Extend the Learning Experience

- Facilitated training with a LEGO Education Certified Trainer
- LEGO Education SPIKE Prime Expansion Set (45681)
- LEGO Education BricQ_Motion Prime Personal Learning Kit for hybrid learning (2000470)
- LEGO Education BricQ_Motion Prime Set (45400)



Standards-aligned STEAM lessons covering:

- Computational thinking
- Design engineering
- Data representation and manipulation
- Relationships between energy and motion
- Creativity, collaboration, and communication
- Robotics for competitions

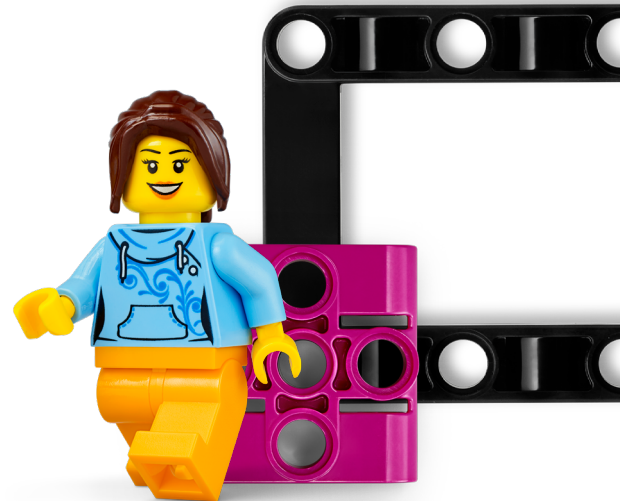
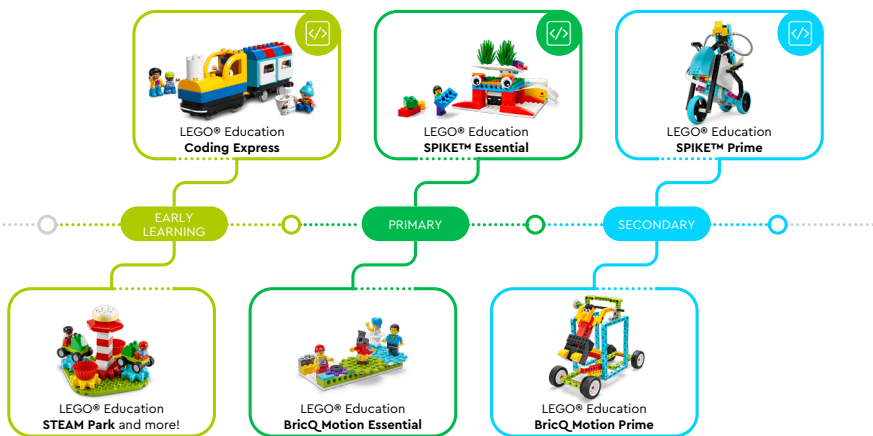


The Ideal Solution for Competitions

The *Competition Ready* unit guides students in using SPIKE Prime to create agile driving bases and reliable code. The motors, sensors, and wheels in the SPIKE Prime Core and Expansion sets provide the ideal mix of elements needed to succeed in the *FIRST® LEGO® League Challenge*.

Learn more at: firstlegoleague.org

About LEGO® Education



LEGO® Education offers a range of playful, hands-on STEAM learning experiences based on the LEGO® system of bricks – that meets students wherever they are in their learning journey, regardless of their ability. From the Early Learning portfolio to the LEGO® Learning System, our solutions create an environment where active, collaborative learners future-proof their skills and spark a lifelong love of learning whether it's in-person, virtual or a mix of both.

Read about our solutions at: LEGOeducation.com

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