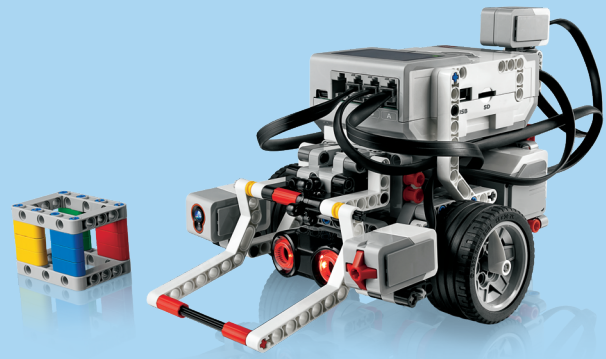


LEGO® MINDSTORMS® Education EV3 compatibility

APPLE SWIFT

PLAYGROUNDS

Swift Playgrounds is a revolutionary app for iPad that makes learning Swift interactive and fun. It requires no coding knowledge, so it is perfect for students just starting out. With Swift Playgrounds, students can code and interact with their LEGO MINDSTORMS Education EV3 creations, motors and sensors. Teachers can also use the free EV3 Animal Rescue Book, a lesson plan designed to teach how to code LEGO MINDSTORMS Education EV3 creations with real Swift code. The EV3 Animal Rescue Book engages and motivates students to solve a real-world problem as they help an injured robotic turtle move and interact with its surroundings. For more information visit www.apple.com/swift.



MICROSOFT

MAKE CODE

Students can program their LEGO MINDSTORMS Education EV3 with the MakeCode platform which communicates with the EV3 Brick via USB cable and offers both block and text editors to support learners at different coding proficiency levels. With the included simulator, students can tinker with their code, get instant feedback on how their program is running and debug the code before applying it to the EV3 brick. Students new to coding can start with colored blocks that they can drag and drop onto their workspace to construct their programs and when ready, move into a full-featured JavaScript editor with code snippets, tooltips, and error detection to help them along the way. For more information visit www.makecode.MINDSTORMS.com.

SCRATCH

Students will be able to program their LEGO MINDSTORMS Education EV3 with Scratch 3.0 – the next generation of Scratch, coming out in August 2018. Scratch is the world's most popular block-based programming language for children. Scratch 3.0 expands how, what, and where you can create with Scratch. The release of Scratch 3.0 will include new tutorials, sample projects, and other support materials for using Scratch with LEGO MINDSTORMS Education EV3. For more information visit www.scratch.edu.



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