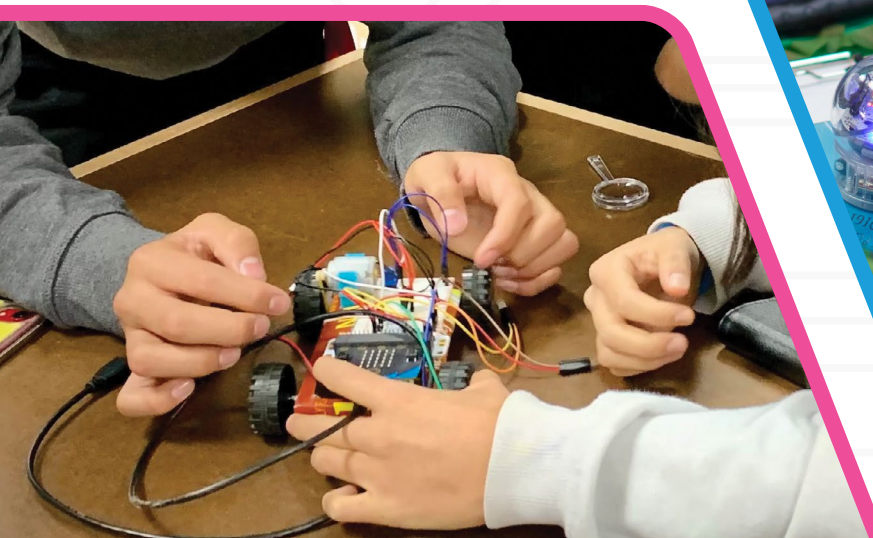




STEM Education Works®

Scope & Sequence

micro: bit - Secondary
Build Smart | EV Micro-Kart FLASH



MICRO:BIT – Secondary Build Smart EV Micro-Kart FLASH

	Grade Band	Unit	Overview
MICRO:BIT – Secondary Build Smart EV Micro Kart FLASH	6-8	EV Micro Kart FLASH Edition	Students learn about the Engineering Design Process and electric vehicles by creating and coding EV Micro-Karts using cereal boxes/thin cardboard and microcontrollers. They automate their karts to include headlights and taillights and use a potentiometer to control speed.

	NGSS Standards Alignment	NGSS Discipline	Connected Subjects	Time Required
MICRO:BIT – Secondary Build Smart EV Micro Kart FLASH	MS-ETS1-1 MS-ETS1-2 MS-ETS1-4	Engineering, technology, and applications of science	ELA, science, math, social studies, art, SEL, movement	10 hours



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