



STEM Education Works®

Scope & Sequence

Coding with Build Smart EV Micro-Kart FLASH



BUILD SMART EV MICRO KART FLASH

	Grade Band	Unit	Overview
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
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

