Scope and Sequence: 40-Hour Option

Units	Hours
Getting Started Tutorial Activities *(located within either SPIKE Essential or WeDo 2.0 App)*	**2**
WeDo 2.0 Tutorials	

Glowing Snail	Milo the Science Rover	Milo's Motion Sensor	Milo's Tilt Sensor

SPIKE Essential Tutorials				
The Motor	The Light	The Color Sensor	Built-In Gyro Sensor	Word Blocks

Units	Hours
Guided Experience: Engineering Notebook Sessions 1-12	**12**
Sessions 1-12 (see guidebook)	12
Festival	**4**
Skill Building: *(Choose either SPIKE Essential or WeDo 2.0)*	**12**
WeDo 2.0 Guided Projects *(3 hours each)*	

Pulling	Speed	Robust Structures	Frog's Metamorphosis
Plants and Pollinators	Prevent Flooding	Drop and Rescue	Sort to Recycle

SPIKE Essential Unit Plans *(6 hours each)*

Great Adventures	Amazing Amusement Park	Happy Traveler	Crazy Carnival Game	Quirky Creations

Units	Hours
STEM Learning: *FIRST STEM Curriculum Series* *(2 hours each)*	**10**

Core Values Activities	Coding Activities	3D and CAD Activities
Electronics and Mechanics Activities	Engineering Design Activities	Capstone Activities