

Scope and Sequence: 80-Hour Option

Activity	Description	Hours
Getting Started	LEGO® Education WeDo 2.0 Getting Started Activities	2
Activities 1-2	Introduction and Glowing Snail	0.5
Activities 3-5	Milo Activities: Science , Motion , Tilt	1.5
Guided Experience	Engineering Notebook: Sessions 1-12	12
Session 1	Explore Challenge and Build Ideas	1
Session 2	Heart Game and Cooling Fan	1
Session 3	Treadmill and Moving Satellite	1
Session 4	Combine Models and Spy Robot	1
Session 5	Cooling Fan and Heart Game	1
Session 6	Moving Satellite and Treadmill	1
Session 7	Spy Robot and Combine Models	1
Session 8	Code Model and Build Motor & Hub	1
Session 9	Build and Code Team Model	1
Session 10	Create Plan and Design Team Poster	1
Session 11	Create and Finish Team Poster	1
Session 12	Prepare to Share and Get Ready for Event	1
Festival	Present Team Model and Team Poster	2
Continue Skill Growth	WeDo 2.0 Projects (<i>Complete all projects below</i>)	48
STEM Learning	FIRST @ Home Lessons (<i>listed at bottom</i>)	16

LEGO Education WeDo 2.0 Guided and Open Projects (3 Hours Each)

Pulling	Speed	Robust Structures	Frog's Metamorphosis
Plants and Pollinators	Prevent Flooding	Drop and Rescue	Sort to Recycle
Predator and Prey	Animal Expression	Extreme Habitats	Space Exploration
Hazard Alarm	Cleaning the Oceans	Wildlife Crossing	Moving Materials

FIRST @ Home Lessons

Core Values Activities (2 Hours)	Coding Activities (2 Hours)	3D and CAD Activities (2 Hours)
Electronics and Mechanics Activities (2 Hours)	Engineering Design Activities (2 Hours)	Capstone and Additional Activities (6 Hours)