

## Scope and Sequence: 15-Hour Option

Activity	Description	Hours
<b>Guided Experience</b>	<b>Engineering Notebook: Sessions 1-12</b>	<b>13</b>
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	1.25
Session 9	Build and Code Team Model	1.25
Session 10	Create Plan and Design Team Poster	1.25
Session 11	Create and Finish Team Poster	1.25
Session 12	Prepare to Share and Get Ready for Event	1
<b>Festival</b>	<b>Present Team Model and Team Poster</b>	<b>2</b>

# Scope and Sequence: 30-Hour Option

Activity	Description	Hours
<b>Getting Started</b>	<b>LEGO® Education WeDo 2.0 Getting Started Activities</b>	<b>2</b>
Activity 1	Introduction	0.25
Activity 2	<a href="#">Glowing Snail</a>	0.25
Activity 3	<a href="#">Milo the Science Rover</a>	0.5
Activity 4	<a href="#">Milo's Motion Sensor</a>	0.5
Activity 5	<a href="#">Milo's Tilt Sensor</a>	0.5
<b>Guided Experience</b>	<b>Engineering Notebook: Sessions 1-12</b>	<b>12</b>
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
<b>Festival</b>	<b>Present Team Model and Team Poster</b>	<b>2</b>
<b>Continue Skill Growth</b>	<b>WeDo 2.0 Projects (Choose 5 projects below)</b>	<b>14</b>

## LEGO Education WeDo 2.0 Guided Projects (3 Hours Each)

<a href="#">Pulling</a>	<a href="#">Speed</a>	<a href="#">Robust Structures</a>	<a href="#">Frog's Metamorphosis</a>
<a href="#">Plants and Pollinators</a>	<a href="#">Prevent Flooding</a>	<a href="#">Drop and Rescue</a>	<a href="#">Sort to Recycle</a>

# Scope and Sequence: 40-Hour Option

Activity	Description	Hours
<b>Getting Started</b>	<b>LEGO® Education WeDo 2.0 Getting Started Activities</b>	<b>2</b>
Activities 1-2	Introduction and <a href="#">Glowing Snail</a>	0.5
Activities 3-5	Milo Activities: <a href="#">Science</a> , <a href="#">Motion</a> , <a href="#">Tilt</a>	1.5
<b>Guided Experience</b>	<b>Engineering Notebook: Sessions 1-12</b>	<b>12</b>
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
<b>Festival</b>	<b>Present Team Model and Team Poster</b>	<b>2</b>
<b>Continue Skill Growth</b>	<b>WeDo 2.0 Projects</b> ( <i>Choose 4 projects below</i> )	<b>12</b>
<b>STEM Learning</b>	<b>FIRST @ Home Lessons</b> ( <i>listed at bottom</i> )	<b>12</b>

## LEGO Education WeDo 2.0 Guided Projects (3 Hours Each)

<a href="#">Pulling</a>	<a href="#">Speed</a>	<a href="#">Robust Structures</a>	<a href="#">Frog's Metamorphosis</a>
<a href="#">Plants and Pollinators</a>	<a href="#">Prevent Flooding</a>	<a href="#">Drop and Rescue</a>	<a href="#">Sort to Recycle</a>

## 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 Activities (2 Hours)

# Scope and Sequence: 60-Hour Option

Activity	Description	Hours
<b>Getting Started</b>	<b>LEGO® Education WeDo 2.0 Getting Started Activities</b>	<b>2</b>
Activities 1-2	Introduction and <a href="#">Glowing Snail</a>	0.5
Activities 3-5	Milo Activities: <a href="#">Science</a> , <a href="#">Motion</a> , <a href="#">Tilt</a>	1.5
<b>Guided Experience</b>	<b>Engineering Notebook: Sessions 1-12</b>	<b>12</b>
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
<b>Festival</b>	<b>Present Team Model and Team Poster</b>	<b>2</b>
<b>Continue Skill Growth</b>	<b>WeDo 2.0 Projects (Choose 10 projects below)</b>	<b>30</b>
<b>STEM Learning</b>	<b>FIRST @ Home Lessons (listed at bottom)</b>	<b>14</b>

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

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

## 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 Activities (4 Hours)

# Scope and Sequence: 80-Hour Option

Activity	Description	Hours
<b>Getting Started</b>	<b>LEGO® Education WeDo 2.0 Getting Started Activities</b>	<b>2</b>
Activities 1-2	Introduction and <a href="#">Glowing Snail</a>	0.5
Activities 3-5	Milo Activities: <a href="#">Science</a> , <a href="#">Motion</a> , <a href="#">Tilt</a>	1.5
<b>Guided Experience</b>	<b>Engineering Notebook: Sessions 1-12</b>	<b>12</b>
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
<b>Festival</b>	<b>Present Team Model and Team Poster</b>	<b>2</b>
<b>Continue Skill Growth</b>	<b>WeDo 2.0 Projects (Complete all projects below)</b>	<b>48</b>
<b>STEM Learning</b>	<b>FIRST @ Home Lessons (listed at bottom)</b>	<b>16</b>

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

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

## 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)