

**Elizabethtown Area School District
Scope & Sequence - Quick Reference**



Department: Science/Math/Technology

Course: STEAM

Grade Level(s): 2nd Grade

<i>Unit Title</i>	<i>General Topic(s)</i>	<i>Pacing</i>
Building & Design	<ul style="list-style-type: none"> • Free Building • Simple Machines (lever, wheel & axel, gears) • Collaborative Building (large model, 4 C's) 	1st Trimester (5 classes)
Design Challenges	<ul style="list-style-type: none"> • Collaborative Building (4 C's) 	(2 classes)
Coding & Robotics	<ul style="list-style-type: none"> • Collaborative Coding (Code-a-Pillar) 	(2 classes)
Building & Design	<ul style="list-style-type: none"> • Free Building 	2nd Trimester (1 class)
Design Challenges	<ul style="list-style-type: none"> • Collaborative Building (Structures 4 C's) 	(1 class)
Coding & Robotics	<ul style="list-style-type: none"> • Collaborative Coding (Sphero Indi Car) • Coding & Coding Challenges (Ozobots) 	(6 classes)
Design Process	<ul style="list-style-type: none"> • Makerspace 	(1 class)
Building & Design	<ul style="list-style-type: none"> • Free Building • Collaborative Building 	3rd Trimester (2 classes)
Coding & Robotics/ Building	<ul style="list-style-type: none"> • Collaborative Coding (Lego WeDo) <ul style="list-style-type: none"> ○ Simple Machines ○ Science integration: plant lifecycles, animal lifecycles • Collaborative Art <ul style="list-style-type: none"> ○ Tech/Art integration: Sphero painting 	(4 classes)
Design Process	<ul style="list-style-type: none"> • Makerspace & Design Process 	(3 classes)