



















## STEAM Lending Library Catalog

Contact Kristen Hendrickson at [khendrickson@educationfoundation.com](mailto:khendrickson@educationfoundation.com) or 813-574-0260 for STEAM Kit reservation questions.

Activity	Recommended Grade	Description
 <p>Coding Express</p>	Pre-K – 2 <sup>nd</sup> Grade	<p>The highly versatile LEGO DUPLO solution allows children to make connections and intuitively explore early coding concepts, such as sequencing, looping and conditional coding, while developing problem-solving skills, critical thinking, collaboration, and social and emotional skills.</p> <p><b><i>Comes with 6 full sets contained in one XL bin that is heavy, 58 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>MyXL World</p>	Pre-K – 2 <sup>nd</sup> Grade	<p>My XL World combines with other products in the Early Learning system to develop social, emotional and language skills, as well as free play and early science skills.</p> <p><b><i>Comes with 6 full sets contained in one XL bin that is heavy, 77 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Tubes</p>	Pre-K – 2 <sup>nd</sup> Grade	<p>Tubes develops children's 21st century skills, such as problem-solving, collaboration and fine motor skills, while introducing them to cause and effect, symmetry and 3D shape recognition.</p> <p><b><i>Comes with 6 full sets contained in one XL bin that is heavy, 39 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Coding Critter Ranger &amp; Zip</p>	K – 2 <sup>nd</sup> Grade	<p>These playful puppy pets bring early STEM concepts to preschool learning through 100% screen-free coding.</p> <p><b><i>Comes with 5 full sets in 2 small bins</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Super Fun Marble Run</p>	K – 2 <sup>nd</sup> Grade	<p>Students can create mazes to see how fast marbles travel with obstacles in their way.</p> <p><b><i>Comes with 6 full sets contained in one large bag, 21 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Create a Chain Reaction Kit</p>	K – 2 <sup>nd</sup> Grade	<p>Challenges pre-k through second grade students to build a variety of chain reaction courses giving students firsthand practice with STEM concepts such as gravity, force and momentum, speed, properties of materials, the design process and problem solving.</p> <p><b><i>Comes with 6 full sets contained in one large bag, 26 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Steam Park</p>	1 <sup>st</sup> – 3 <sup>rd</sup> Grade	<p>The possibilities are endless, as you work with them to construct a STEAM Park full of dynamic moving rides, fun games, and scenes using the special selection of LEGO® DUPLO® bricks.</p> <p><b><i>Comes with 6 full sets contained in 3 large heavy bags, 17 lbs per bag</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Gears Lights and Actions</p>	2 <sup>nd</sup> – 5 <sup>th</sup> Grade	<p>Gears toys help to strengthen engineering, problem solving and critical thinking skills. Bring the classroom to life with hands on fun including a power motor, flashing lights and glow-in-the-dark stickers.</p> <p><b><i>Comes with 12 full sets contained in 2 large heavy bags, 17 lbs per bag</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Classroom Magnet Kit</p>	2 <sup>nd</sup> – 5 <sup>th</sup> Grade	<p>This classroom magnet set supports STEM by developing critical thinking and problem-solving skills. Includes 100 magnetic chips, 5 magnetic marbles, 7 magnetic wands, 2 metal bar magnets, 2 metal ring magnets, 2 mini horseshoe magnets, and 1 large plastic horseshoe magnet.</p> <p><b><i>Comes with 6 full sets in one small bin</i></b></p>

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 <p>BricQ Motion Essential</p>	3 <sup>rd</sup> – 5 <sup>th</sup> Grade	<p>Engage students in STEAM learning as they experiment with forces, motion and interactions in the context of sports. Student hands on experiences without technology.</p> <p><b><i>Comes with 12 full sets contained in one large heavy bin, 54 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Snap Circuits</p>	3 <sup>rd</sup> – 5 <sup>th</sup> Grade	<p>Projects provide an understanding of magnetic fields, how the electricity in the home works, and how switches control the electricity to the lights in your home or classroom.</p> <p><b><i>Comes with 12 full sets contained in one large bag, 25 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Mini Straw Rocket Launchers</p>	3 <sup>rd</sup> – 5 <sup>th</sup> Grade	<p>The Straw Rocket Launcher uses pneumatic force created by releasing a weighted drop rod in the cylinder to launch rockets. The force of the launch can be controlled by varying the release height of the rod.</p> <p><b><i>Comes with 6 full sets contained in one small bin</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Mini Weather Stations</p>	5 <sup>th</sup> Grade	<p>This uniquely designed outdoor mini weather station allows you to measure temperature (in Fahrenheit &amp; Celsius), rainfall, wind speed, wind direction (it works like a weathervane), wind chill, and more!</p> <p><b><i>Comes with 6 mini weather stations contained in one small bin</i></b></p>
 <p>Roll and Race Activity Ramp</p>	Pre-K – 2 <sup>nd</sup> Grade	<p>Develops skills in exploring motion, friction and angles by comparing how different textures affect the speed and momentum of rolling objects.</p> <p><b><i>Comes with 6 full sets contained in 2 large heavy bags, 21 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Magna-Tiles® Metropolis</p>	K – 5 <sup>th</sup> Grade	<p>Students can build anything from a high-rise city skyline to a bustling colony in outer space. Encourages open ended creative exploration. Magna-Tiles® Metropolis 110-Piece set can be used to engage students in learning letters, numbers, colors, matching, pattern recognition, mathematical concepts, basic geometry and STEAM concepts.</p> <p><b><i>Comes with 6 full sets contained in one large heavy bag, 47 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Survive the Quake Engineering Kit</p>	K – 5 <sup>th</sup> Grade	<p>This earthquake simulator creates quakes in 5 levels of intensity...and comes with 30 plastic building bricks in a variety of shapes and sizes. Discover the science behind earthquakes and engineering.</p> <p><b><i>Comes with 6 full sets contained in large bag, 14 lbs</i></b></p> <p><a href="#">Classroom Lesson Plan</a></p>
 <p>Flashlights and Binoculars</p>	K – 2 <sup>nd</sup> Grade	<p>Explore physical science with nature exploration. Support STEAM learning and basic concepts scientific exploration.</p> <p><b><i>Set of 12 binoculars and 12 flashlights contained in one small bin</i></b></p>
 <p>Classroom Compact Digital Scales</p>	4 <sup>th</sup> – 5 <sup>th</sup> Grade	<p>Bring lessons to life including recipe making, piece counting, percent calculation and the metric system. Students can learn the basics of weighing, how to use a scale, weighing objects or units and recording results.</p> <p><b><i>12 scales per classroom in 12 individual boxes</i></b></p>