



**STEAM JANUARY LESSON PLANS**

Teachers: Ms. Windy and Ms. Jess

	1/3 Let Go of My Lego	1/10 Shape Up	1/17 Finding Fun in Fairy Tales: Three Billy Goats Gruff	1/24 The Amazing Cardboard Challenge	1/31 Coding Challenge
<b>WELCOME CIRCLE</b>	Pledge, Calendar, Weather	Pledge, Calendar, Weather	Pledge, Calendar, Weather	Pledge, Calendar, Weather	Pledge, Calendar, Weather
<b>STORY</b>	<i>Iggy Peck Architect</i> , by Andrea Beaty	<i>Perfect Square</i> Michael Hall	<i>Three Billy Goats Gruff</i>	<i>What to do with a Box</i> by Jane Yolen	<i>Ada Lovelace, Poet of Science</i> by Diane Stanley
<b>SMALL GROUP</b>	Chrome Books with Miss Jess	3-D Printer with Ms Jess	Stop Motion Videos with Ms Windy	Chrome Books with Ms Jess	Coding the Robot Mouse with Ms. Jess
<b>CENTERS</b>	<ul style="list-style-type: none"> <li>o Lego challenge cards</li> <li>o Lego volcano</li> <li>o Lego Addition Mats</li> <li>o Play Dough #s</li> </ul>	<ul style="list-style-type: none"> <li>o build a cube</li> <li>o patterning with blocks</li> <li>o shape mats with play dough</li> <li>o shape painting</li> </ul>	<ul style="list-style-type: none"> <li>o bridge building 101</li> <li>o which shape is strongest?</li> <li>o can you build a bridge over the river down the middle of the room?</li> </ul>	<ul style="list-style-type: none"> <li>o attachment techniques</li> <li>o cardboard house construction</li> <li>o pompon drop</li> <li>o kinetic mobile</li> </ul>	<ul style="list-style-type: none"> <li>o Code a Story</li> <li>o Coding Files</li> <li>o Coded Scavenger Hunt</li> <li>o Mouse Coding Maze</li> </ul>
<b>STEAM CHALLENGE</b>	Lego Challenge	Can you build a 3-D castle structure from flat shapes?	Can you float a goat?	What can you build with a box? Can you make a robot? A chair?	Can you code the STEAMer to move around the room?
<b>GROSS MOTOR</b>	Extra Recess on Playground	Making shapes with our body	Playground obstacle course with bridge building	Extra Recess on Playground	The Coding Game
<b>CLOSING</b>	Lego Graph	Story: Shape by Shape	Class Graph—which is your favorite bridge?	Story: <i>Not a Box</i> by Antoinette Portis	Class Graph—What will happen?
<b>SPIRITUAL</b>	Patience Snack Blessing				
<b>NOTES &amp; REMINDERS</b>		Bring in a cardboard box from home for 1/24	Bring in a cardboard box from home for 1/24		

