



Jr. Mechanical Engineering Crane Design Challenge

<u>Activity</u>	<u>Supplies Needed</u>
<p>Watch this first at home, to help you explain Simple Machines: https://youtu.be/2ElxU8goG0</p> <p>Discuss Simple Machines</p>	<ol style="list-style-type: none"> 1. Screw On Container 2. Hammer 3. String & Paper towel Roll
<p>Make a Crane</p> <p>Divide the Girls in to Pairs, give each pair materials, have them make a crane out of the materials.</p>	<ol style="list-style-type: none"> 1. Paper Towel Rolls (14 – 2 each) 2. Thread Spools (14 – 2 each) 3. Small Baskets (7) 4. Tape (7 rolls) 5. String (7 lengths) 6. Cardboard Box for Base (7 Pieces) 7. Scissors (7)
<p>Test the Cranes</p>	
<p>Discuss the Results</p>	
<p>Brainstorm ways to make the Cranes Better</p>	

