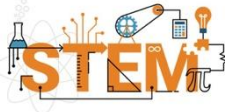
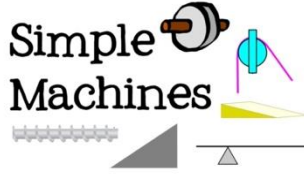

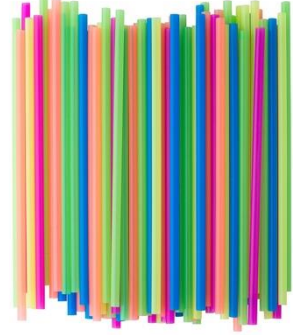
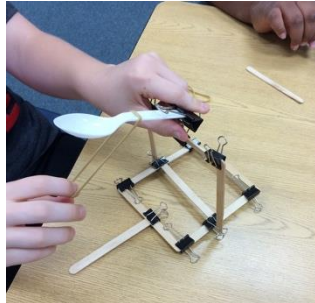
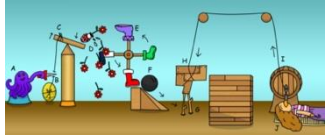



Overview	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p>This club activity introduces students to Rube Goldberg—an illustrator and inventor of complicated machines completing simple tasks.</p> <p>It will nurture students’ development of Science, Technology, Engineering and Mathematics (STEM) while using the English language. Students will plan, build, test and present their creations using English with the instructor and class members.</p> 	<p>1. English-Speaking & Vocabulary:</p> <ul style="list-style-type: none"> ✧ <i>Who was Rube Goldberg?</i> ✧ <i>Constructing, Step-by-Step</i>  <p>2. Tutorial & Instructions</p> <p>3. Machine Type:</p> <ul style="list-style-type: none"> ✧ <i>Simple Machine Experiments</i> <p>4. Build:</p> <p>3-Step Rube Goldberg Machine</p> <p>5. Clean-up</p>	 <p>1. English-Speaking & Vocabulary:</p> <ul style="list-style-type: none"> ✧ <i>Verbs...How things work</i> <p>2. Tutorial & Instructions</p> <p>3. Machine Type:</p> <ul style="list-style-type: none"> ✧ <i>5-Step Rube Goldberg Machine</i> <p>4. Build:</p> <p>Weight-bearing Bridge (Using Popsicle Sticks)</p> <p>5. Clean-up</p>	<p>1. English-Speaking & Vocabulary:</p> <ul style="list-style-type: none"> ✧ <i>Nouns: Tools, parts, pieces</i> <p>2. Tutorial & Instructions</p>  <p>3. Machine Type:</p> <ul style="list-style-type: none"> ✧ <i>7-Step Rube Goldberg Machine</i> <p>4. Build:</p> <p>Plastic Straw Roller Coaster</p> <p>5. Clean-up</p>	<p>1. English-Speaking & Vocabulary:</p> <ul style="list-style-type: none"> ✧ <i>Making changes, suggestions</i> <p>2. Tutorial & Instructions</p> <p>3. Machine Type:</p> <ul style="list-style-type: none"> ✧ <i>9-Step Rube Goldberg Machine</i> <p>4. Build: Catapult (Rubber Bands, Popsicle Sticks)</p>  <p>5. Clean-up</p>	<p>1. English-Speaking & Vocabulary:</p> <ul style="list-style-type: none"> ✧ <i>Presentations: Talking about your work</i>  <p>2. Machine Type:</p> <ul style="list-style-type: none"> ✧ <i>9+-Step Rube Goldberg Machine</i> <p>3. Awards: Most Successful Machines / Creative Machines</p>  <p>5. Clean-up</p>
Teacher	Provides all handouts, activities, whiteboard, and markers				
Students	Students must bring their folders, pens, pencils, erasers, and notebook every day to class.				