



Year 5 – Mechanisms – Spring 2

Enquiry Question: How does this move?

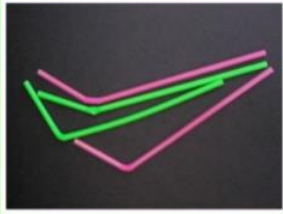
**How could you use these materials to make a sturdy structure?**



**Card**



**Wood and dowelling**



**Straws**

What should I already know?	What will I know at the end of the unit?
<ul style="list-style-type: none"> <li>• Select most appropriate tools / techniques.</li> <li>• Explain alterations to product after checking it.</li> <li>• Grow in confidence about trying new / different ideas.</li> <li>• Use levers and linkages to create movement.</li> <li>• Use pneumatics to create movement</li> </ul>	<ul style="list-style-type: none"> <li>• I can investigate toys with moving cam mechanisms.</li> <li>• I can investigate different types of cam mechanisms.</li> <li>• I can investigate ways of strengthening structures for a moving toy.</li> <li>• I can design a moving toy with a cam mechanism.</li> <li>• I can follow a design to create a moving toy with a cam mechanism.</li> <li>• I can evaluate a finished moving toy.</li> </ul>

Vocabulary	Inventor	Recommended Reads
Cam mechanism mechanical rotary linear motion dowel structure sturdy materials design aesthetics evaluate	Erno Rubik  	  