

Caroline Haslett Primary School - DT

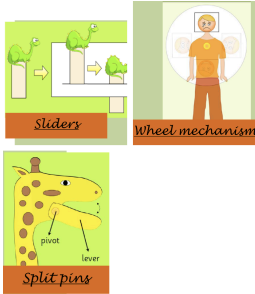
Topic: Materials

Year 2 - Autumn term

Moving picture

Knowledge

- Moving mechanisms are sometimes used in books, pictures and toys to make them more exciting.



- A frame can be used to present your work.
- Four pieces of dowel can be cut to make a frame.
- Cardboard corners can be used to strengthen.
- A frame can be joined with glue, small pins or screws.

Vocabulary

- Mechanism-parts that work together to cause movement.
- Wheel mechanism-rotating mechanism.
- Split pin-a metal pin with two arms.
- Slider-a knob that is moved from side to side.
- Dowel - a wooden cylindrical piece of wood.
- Square dowel-a wooden cuboid piece of wood.
- Reinforcement-process of strengthening.
- Pivot-a central point which a mechanism turns on.

Design, make, evaluate

1. Look at examples of mechanisms in everyday life.
2. Design a moving picture including at least 1 mechanism.
3. Make a simple frame using a square dowel.
4. Create a moving picture on cardboard. Join to dowel frame.
5. Evaluate.

Skills:

- Cut materials accurately and safely by selecting appropriate tools.
- Apply appropriate cutting and shaping techniques
- Select appropriate joining techniques.

Skill	
Design	<p>Have their own ideas and plan what to do next.</p> <p>Explain what they want to do and describe how they may do it.</p> <p>Explain purpose of product, how it will work and how it will be suitable for the user.</p> <p>Describe design using pictures, words, models, diagrams.</p> <p>Design products for themselves and others following design criteria.</p> <p>Choose the best tools and materials, and explain choices.</p> <p>Use knowledge of existing products to produce ideas.</p>
Make	<p>Explain what they are making and why it fits the purpose.</p> <p>Make suggestions as to what they need to do next.</p> <p>Join materials/components together in different ways.</p> <p>Measure, mark out, cut and shape materials and components, with support.</p> <p>Describe which tools they are using and why.</p> <p>Choose suitable materials and explain choices depending on characteristics.</p> <p>Use finishing techniques to make the product look good.</p> <p>Work safely.</p>
Evaluate	<p>Describe what went well, thinking about design criteria.</p> <p>Talk about existing products considering: use, materials, how they work, audience, where they might be used; express personal opinion.</p> <p>Evaluate how good existing products are.</p> <p>Talk about what they would do differently if they were to do it again and why.</p>
Mechanisms	Use sliders.
Construction and materials	<p>Use a range of cutting and shaping techniques.</p> <p>Cut materials accurately and safely by selecting appropriate materials.</p> <p>Use appropriate cutting and shaping techniques.</p> <p>Select appropriate joining techniques, such as glue, small pins and screws.</p>