



St Andrew's C of E Maghull Knowledge Organiser Year 1 – Autumn 2 – DT – Sliders and Levers



<p><u>Knowledge: I know that...</u></p> <p>To make a part move on a picture you will need to make a mechanism.</p> <p>Sliders and levers are mechanisms.</p> <p>Sliders allow movement side to side or up and down in a straight line.</p> <p>Levers move around a pivot. The pivot holds the equipment together. Levers allow movement side to side in a curved motion.</p>	<p><u>Skills: I can...</u></p> <p>State what product I am designing and making.</p> <p>Say whether the product is for myself or other users.</p> <p>Generate ideas by drawing on own experiences.</p> <p>Use knowledge of existing products to help come up with ideas.</p> <p>Develop and communicate ideas by talking and drawing.</p> <p>Model ideas by exploring materials.</p> <p>Plan by suggesting what to do next.</p> <p>Select from a range of tools and equipment, explaining choices.</p> <p>Measure, mark out, cut and shape materials and components.</p> <p>Assemble, join and combine materials and components.</p>	<p><u>Vocabulary:</u></p> <p>Mechanism – a device used to create movement.</p> <p>Lever – a rigid bar that moves around a pivot.</p> <p>Slider – a rigid bar which moves backwards and forwards along a straight line.</p> <p>Slot – the hole through which a lever or slider is placed to enable part of a picture to move.</p> <p>Guide or bridge – a short card strip used to keep sliders in place and control movement.</p>	<p><u>Lesson Sequence:</u></p> <p><u>Lesson 1:</u> I know that sliders allow movement side to side or up and down in a straight line and levers allow movement side to side in a curved motion.</p> <p><u>Lesson 2:</u> I can establish my design criteria.</p> <p><u>Lesson 3:</u> I can try out ideas by exploring materials.</p> <p><u>Lesson 4:</u> I can plan my Christmas card.</p> <p><u>Lesson 5:</u> I can make my Christmas card.</p> <p><u>Lesson 6:</u> I can evaluate my Christmas card.</p>
---	--	---	--

Mechanism – a device used to create movement.

