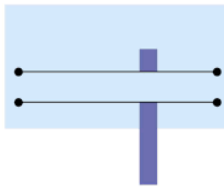
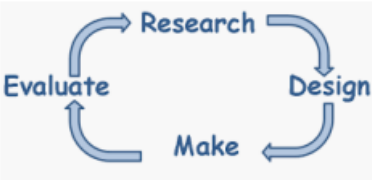


Subject: Design & Technology	Year Group: 1	Term: Advent 2	Title: Fire, fire! (mechanisms- moving pictures)											
  sliders  levers	Key Knowledge: • What a mechanism is and what they are used for. • Which mechanisms are best used in the design of a moving picture. • Why these mechanisms are used and how effective they are. • How mechanisms can be made to be stronger, stiffer, and more stable. Moving pictures with levers and sliders 	Key Questions: • Product- what could we make? • Purpose- what is it for? • User- who is going to use it? • What movement does this lever/slider make? • What happens if I change the length? Position? Size? Shape? Direction? • Which mechanism will give me the movement I want for my picture?  Simple mechanisms move... → in a straight line ↔ in a straight line, backwards and forwards ↻ round and round ↻ in a curve												
Key Skills: • Evaluate existing products • Design a moving picture using a slider or lever, based on existing products and own ideas. • Select materials needed for a purpose • Folding, tearing and cutting paper and card. • Joining materials for a purpose. • Evaluating my own and others' work. 	Good Designers... Good designers... Seek solutions  Good designers... Research & develop  Good designers... Test & refine  Good designers... Plan  Good designers... Create  Good designers... Evaluate 	Key Vocabulary and Definitions: <table><tr><td>Mechanism</td><td>The whole or parts of a machine, mechanical system or device.</td></tr><tr><td>Lever</td><td>A rigid bar which moves around a pivot.</td></tr><tr><td>Slider</td><td>A rigid bar which moves backwards and forwards in a straight line.</td></tr><tr><td>Product</td><td>Something made by means of either human work or that of a machine</td></tr><tr><td>Position</td><td>The way something is placed or arranged</td></tr><tr><td>Purpose</td><td>A reason or plan that guides a design.</td></tr></table>	Mechanism	The whole or parts of a machine, mechanical system or device.	Lever	A rigid bar which moves around a pivot.	Slider	A rigid bar which moves backwards and forwards in a straight line.	Product	Something made by means of either human work or that of a machine	Position	The way something is placed or arranged	Purpose	A reason or plan that guides a design.
Mechanism	The whole or parts of a machine, mechanical system or device.													
Lever	A rigid bar which moves around a pivot.													
Slider	A rigid bar which moves backwards and forwards in a straight line.													
Product	Something made by means of either human work or that of a machine													
Position	The way something is placed or arranged													
Purpose	A reason or plan that guides a design.													



Academic Year 2025-2026

