

## Year 1 Spring

Design NC LOs	<p><b>Design:</b></p> <ul style="list-style-type: none"> <li>design purposeful, functional, appealing products for themselves and other users based on design criteria</li> <li>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</li> </ul> <p><b>Make:</b></p> <ul style="list-style-type: none"> <li>select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li> <li>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</li> </ul> <p><b>Evaluate:</b></p> <ul style="list-style-type: none"> <li>explore and evaluate a range of existing products</li> <li>evaluate their ideas and products against design criteria</li> </ul> <p><b>Technical knowledge:</b></p> <ul style="list-style-type: none"> <li>build structures, exploring how they can be made stronger, stiffer and more stable</li> <li>explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products</li> </ul> <p><b>Cooking and Nutrition:</b></p> <ul style="list-style-type: none"> <li>use the basic principles of a healthy and varied diet to prepare dishes</li> <li>understand where food comes from.</li> </ul>		
Topic	Let's Explore	Knowledge organiser	1.5 Slider Mechanisms
Scenario	The superheroes are tired of landing on buildings, can we create a structure that is strong and stable for them to land on?		
Concepts:	Practical Knowledge, Design Inspiration, Design Process	Resources	card, coloured paper, transparency, sheets, glue, felt tips, pencil crayons
Vocabulary	Rear, guided bridge, rotating, horizontal, vertical diagonal, attach, transparent, opaque		
Unit Development	Lesson 1: What are Slider Mechanisms (pg. 84-85) LO: To develop technical knowledge.		
Unit Development	Lesson 2: Slider Mechanisms Guided Design (pg. 89-91) LO: To understand key features of a slider mechanism. LO: To develop and communicate ideas by talking and drawing.		
Unit Development	Lesson 3: Slider Mechanism Guided Design (pg. 94) LO: To select and use appropriate materials to create a slider mechanism		
Unit Development	Lesson 4: Slider Mechanism Guided Design (pg. 95-96) LO: To evaluate their products against their design and consider improvements.		

