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| Squirrels Class Medium Term Planning for **DT Summer Term 2024** |
| **Topic: Heroes**  POP Sliders and Leavers   * Explore a range of pop-up and moving picture books * Explore sliders and levers   Moving picture STEM activity – design and make class pop-up book   * Evaluate the book – do the pictures pop up when the book is opened? |

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| Lesson 1 – Link it  Explore a range of pop-up and moving picture books. Explore sliders and levers.  Investigate how they work and what their purpose is? | Lesson 2 - Learn it/Check it  Design a class pop-up book. Each child to choose a hero for their page in the book. Decide which part will move and how? | Lesson 3 – Learn it/Check it  Create and colour our hero parts for the book. Refer to our designs for colours, shapes, moving part etc. | Lesson 4 – Learn it/Check it  Assemble our book with moving part and any text needed to complete the page. | Lesson 5 – Show it/Know it  Evaluate our book. Do the parts work? Is it strong? What could we do to improve it? |

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| Substantive Knowledge (Content) | Disciplinary Knowledge (Skills) |
| **KS1**  **Technical knowledge**  Children build structures, exploring how they can be made stronger, stiffer and more stable.  They explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products. | **Expressive Arts and Design (Exploring and Using Media and Materials)**  Children safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.  **Expressive Arts and Design (Being Imaginative)**  Children use what they have learnt about media and materials in original ways, thinking about uses and purposes. They represent their own ideas, thoughts and feelings through design and technology, art, music, dance, role play and stories.  **KS1**  **Technical knowledge**  Children can:  a build simple structures, exploring how they can be made stronger, stiffer and more stable;  b talk about and start to understand the simple working characteristics of materials and components;  c explore and create products using mechanisms, such as levers, sliders and wheels. |