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| **Stukeley Federation Design and Technology UKS2**  Throughout the year the children will cover a variety of aspects of the design and technology curriculum to ensure all children:   * develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world * build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users * critique, evaluate and test their ideas and products and the work of others * understand and apply the principles of nutrition and learn how to cook. |

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| **Autumn 1** | **Battle of Britain**  **Developing, planning & communicating ideas**  Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces.  Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose.  **Working with tools, equipment, materials & components to make quality products**  Confidently select appropriate tools, materials, components and techniques and use them.  Use tools safely and accurately.  **Evaluating processes & products**  Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests.  Evaluate their work both during and at the end of the assignment.   * design & make a moveable object (plane / creature etc.) |
| **Spring 2** | **Earth, Sun & Moon**  **Developing, planning & communicating ideas**  Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces.  Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose.  **Working with tools, equipment, materials & components to make quality products**  Confidently select appropriate tools, materials, components and techniques and use them.  Use tools safely and accurately.  **Evaluating processes & products**  Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests.  Evaluate their work both during and at the end of the assignment.   * sewing a pencil case |
| **Summer 2** | **Climate Change (1 session linked to science)**  **Working with tools, equipment, materials & components to make quality products**  Confidently select appropriate tools, materials, components and techniques and use them.  Use tools safely and accurately.   * electrical circuits & components |