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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.)
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| **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
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| **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
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