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Designing and Making an Ancient Egyptian Sarcophagus and a Mummy for a Museum

Put those History hats on Year 6 as in this unit you will be transported back to Ancient Egypt. In this unit, children will investigate a range of Ancient Egyptian artefacts both first hand and digital to identify how they were constructed. This will link directly with their learning in History. They will then create labelled diagrams to explore the structures of these artefacts. They will experience measuring, marking out, cutting, joining, shaping and finishing techniques with construction materials. They will develop their understanding of what structures are and how they can be made stronger, stiffer and more stable. In the design aspect, the children will investigate Egyptian patterns and print and will decide how they want their finished product to look. The children will create their final product, using all the techniques they have learnt to ensure it is stable. Then they will evaluate their product looking at both their original design and considering the design criteria.



D&T Curriculum Overview

Year 6

Designing and Making our own Controllable Vehicles

Calling all the BEST chefs! In this unit, the children will make pasta! Children will investigate pasta products and how they can be varied and adapted in order to be included as part of a healthy diet. Children will be taught a range of food preparation and cooking skills and techniques, which develop in complexity over time. They will design and make a new pasta product and gain knowledge and understanding of the design and make process making their pasta from fresh ingredients. The children will explore and understand the purpose of their product. They will also write a design specification; and produce a step-by-step plan for making their product. The children will make a quality product and label and cost their product as part of the marketing process. They will develop their knowledge and understanding about food hygiene, nutrition, healthy eating and a varied diet. The unit will enable them to use appropriate equipment and utensils, and apply a range of techniques for measuring out, preparing and combining ingredients.



Designing and Making a Traditional Fairground Ride

In this unit children will investigate a range of traditional Victorian fairground rides. They will investigate circuits with motors and how one can be incorporated into a model to create movement. The children will design and make their own Victorian fairground ride to share with lower KS 2 children in school so they can learn more about life in the past. They will understand of the essential characteristics of a series circuit and experience of creating a battery-powered, functional, electrical product. Through this project they will develop their understanding and use mechanical systems including pulleys, shafts and bearings. They will design and build purposeful, functional appealing products. They will measure length and time, calculate distance travelled and speed, convert between units. The children will evaluate and test their products to ensure they are fit for purpose.