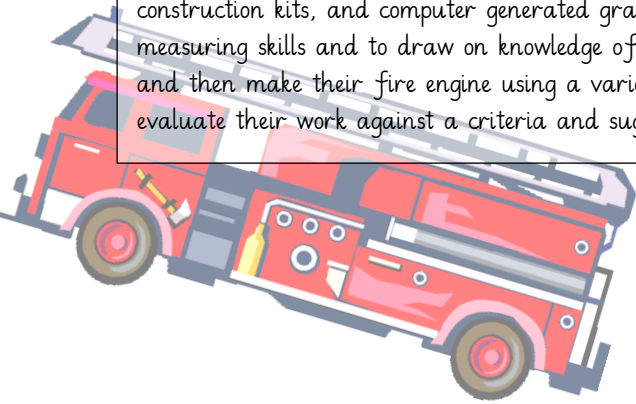




Cadbury

Designing and Making a Fire Engine

Hose? Tick. Protective clothing? Tick. All we need now is a Fire Engine! After learning about the Great Fire of London in History, the children will learn that during that time, fire engines did not exist and therefore it was a challenge to extinguish the fire. This will SPARK their imagination to INVENT and CREATE a vehicle that would have been helpful during this time. In this unit, children will design and make their own moving vehicle to resemble a fire engine. This unit will enable children to explore a variety of fire engines and will encourage them to develop their own design based on the vehicles they have investigated. The children will have the opportunity to use construction kits, and computer generated graphics or text to enhance their finished products. They will apply basic measuring skills and to draw on knowledge of forces from science too. The children will create their final design and then make their fire engine using a variety of materials. Once complete, this unit will encourage children to evaluate their work against a criteria and suggest improvements to make their design even better!

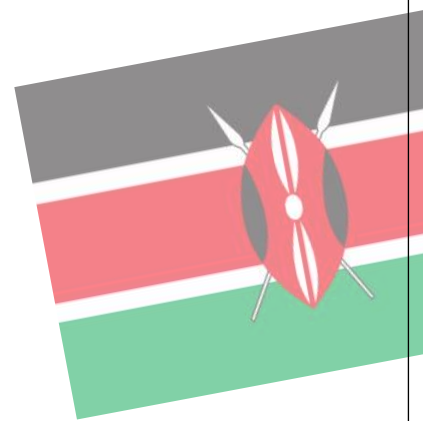


D&T Curriculum Overview

Year 2

Designing and Making Kenyan Inspired Wallets, Purses and Pencil Cases

In this unit children will explore a range of Kenyan textiles and consider how they can be used to create containers including purses, wallets and pencil cases. This will link to their learning in Geography. They will first study a range of existing containers and evaluate their effectiveness and what makes the products successful. They will consider how they are designed for different purposes and different users. The children will develop their designing skills when evaluating products and use this information to generate their own ideas and identify design criteria. Then they will design patterns and templates for their own container using Kenyan textiles. Before creating their final product, the children will model with paper or inexpensive fabric, and use decorative techniques such as dyeing and embroidery. They will be taught joining and reinforcing techniques to ensure their container is fit for purpose. The children will weave and add BRIGHTLY coloured woven pieces to their work. They will then be given the opportunity to create their final product using Kenyan textiles and will evaluate their Kenyan inspired container.



Designing and Making a New Chocolate Product for Cadbury's

Aprons on and wooden spoons at the ready! The children are going to designing and making chocolate! Not just any chocolate, but Cadbury's chocolate. The product they will design and create will be FRESH and EXCITING, enabling the children to put their favourite flavour combinations together. This unit will help children learn more combining ingredients together to create different flavours and to create a final chocolate product. They will learn about melting chocolate to change its shape before adding ingredients to create a new chocolate bar and moulding chocolate to create a BRAND NEW shape. The children will enjoy exploring the link between chocolate making and their history learning all about the Cadbury family. The children will learn how to adapt a basic chocolate recipe to develop a product with specified criteria. Before creating their own unique product, they will investigate a range of existing products from all cultures which will inform their design ideas. During this unit, children will also have opportunities to develop skills in market research, advertising and marketing to develop a link with industry.

