

# Y1 Design Technology Knowledge Organisers



TO DO

- ☒ creative
- ☒ concept
- ☐

es!

Innovation



Skill development: Sewing

What is sewing?

One way you can join fabrics together is by stitching them together. To sew you use a needle and thread. The thread gets pushed through the hole at the top of the needle and then a knot can be tied so it doesn't fall out.



Running stitch

A running stitch is a type of stitch where you keep moving the needle in and out of the fabric. This then holds the fabric together.

Product: A teddy bear

User: Me

Purpose: To play with!

Existing products

A teddy bear is a type of toy that looks like a bear. Teddy bears are normally made of soft fabric to make them nice and cuddly. Teddy bears are normally stuffed with a material called polyester.



|               |  |
|---------------|--|
| <b>needle</b> | A thin piece of metal with a point at one end used for sewing.                 |
| <b>thread</b> | A long, thin piece of material used in sewing.                                 |
| <b>sewing</b> | Sewing is when you join pieces of material together using a needle and thread. |
| <b>design</b> | To make, draw or write plans for something.                                    |

## Y1 Spring—DT—Travelling Around the UK

### Wheels and Axels

Different wheels move in different ways. There are lots of different types of wheels you could use on a pull along toy or toy car.



Wood/card/  
MDF



Plastic

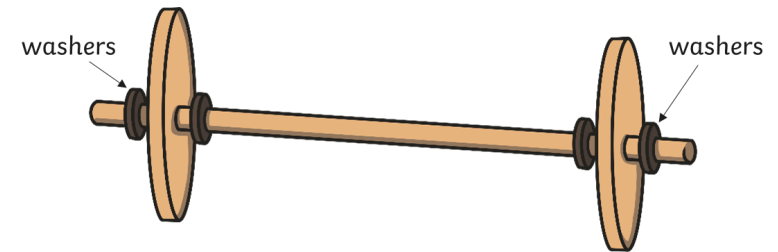


Cotton reels



Foam covered reels

The wheels are joined together using an axle. An axle is a rod that goes through the middle of a wheel. Real vehicles, such as cars and vans, also have axles. To stop the wheels from moving on our toys, we can put washers on either side or blobs of modelling clay.



### Existing products



|         |  |
|---------|--|
| Chassis | A chassis (said 'shah-see') is a frame which the rest of the vehicle is built. |
| Axle    | A rod through the wheel so that the wheels can turn.                           |
| Dowel   | Wooden rods used for making axles.   |

## DT Knowledge: Cooking and nutrition



Pastry brushing



Beating



Pouring



Mixing



Sieving

### Vocabulary

|                 |  |
|-----------------|--|
| pouring         | To tip liquid out of a container.  |
| beating         | To mix/stir quickly. This helps to mix the ingredients together and add some air to the mixture.                                     |
| mixing          | To combine ingredients together.   |
| sieving         | Sieving is when we drain away the water. The sieve catches the food and lets the water pass through small holes.                     |
| pastry brushing | To brush a liquid, like milk or a beaten egg, over pastry. This helps to make the pastry look shiny and helps to close up any edges. |

### Healthy eating

To make sure we stay healthy, we should eat lots of different foods. Fruit and vegetables are an important part of a healthy diet. You should aim to eat at least five portions of fruit and vegetables every day.

Some foods aren't as healthy for us like chocolate, crisps and sweets. We should only have a small amount of these foods.

### Where does food come from?

All food comes from plants or animals.

Some food is grown. Fruit grows on trees, bushes and plants. Some fruits need hot weather to grow, such as mangoes, oranges and pineapples. Other fruits, such as apples, pears and plums, do not need hot weather and can be grown in the UK. Some vegetables grow above ground and others grow underground. Potatoes grow under the ground.

Some food comes from animals like eggs, milk and meat.