

Design and Technology – Year 5

Autumn 2

Mechanical Systems

Pulleys or gears

- A pulley is a wheel that carries a flexible rope, cord, cable, chain, or belt on its rim.
- Pulleys are used to lift or pull objects, especially heavy objects.
- A gear is a wheel with grooves called teeth cut into it
- Gears are also called cogs.
- The cogs turns and its teeth slot in between the teeth on another cog and this can speed up or slow down the movement depending upon the size of the cogs.

Spring 2

Structures

Frame structures

- A frame is made by joining rigid pieces of material together like wood or metal.
- The material can be joined using glue.
- Gluing triangles in the corner of the frame makes the frame stronger.

Summer 2

Food

Celebrating culture and seasonality

- Bread is made by mixing flour, salt, water and yeast together and baking it in an oven.
- Different ingredients can be added to bread to change its flavour.
- Bread can be white or brown – brown bread is healthier than white bread.