

Nova Primary Knowledge Organiser

Line of enquiry: How can we make traditional tales come to life?

Year 1 Term 3 & 4

Big idea: Morals and Design

Key subject areas: Science (Plants and animals, everyday materials, seasonal changes) , Design and Technology, Computing

What should I already know?

- Objects feel and look different based on the material they are made from.
- Use different materials when painting and making art.
- Plants can grow.
- The names of some common animals.
- Different types of weather.

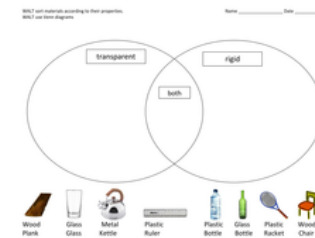
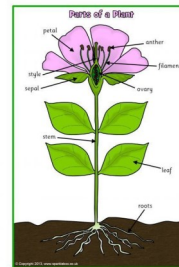
Investigate, Design and Make

- How are objects similar / different based on the materials they are made from?
- How are materials similar / different to each other?
- Can you sort **natural** materials from **man-made** materials?
- What is the best material to build a house for the Three Little Pigs?
- What food do the characters in fairy tales eat?
- What is a healthy food choice?
- Where do different animals live and why?
- Can we grow a plant in different environments?
- Can we design and make a puppet for a show?

What will I know by the end of this line of enquiry?

- Which materials some objects are made from.
- What words can be used to describe materials.
- Which materials are natural or man-made.
- What the properties of some materials are.
- The names of common plants.
- The difference between deciduous and evergreen trees.
- The different parts of common trees and plants.
- What a plant needs to grow.
- The names of common animals.
- The difference between a mammal, vertebrate, invertebrate, fish, reptile and amphibian.
- Where different animals live and the features of their habitats.
- How some animals adapt to different climates.
- The different seasons and weather associated with them.

Diagram



Key vocabulary	
Deciduous	A tree that loses its leaves in the Autumn every year
Evergreen	A tree that has leaves all year round.
Flower	The part of the plant that is often brightly coloured.
Bulb	A root shaped like an onion which grows into a flower or plant.
Leaf/Leaves	The parts of a tree or plant that are flat, thin and usually green.
Roots	The part of the plant that grows underground
Seed	The small hard part from which a new plant grows.
Stem	The thin upright part of the plant on which the flowers and leaves grow.
Tree	A tall plant that has a hard trunk, branches and leaves.
Trunk	The large main stem of a tree from which the branches grow.
Vegetable	Plants that you cook and eat.
Fruit	Something that grows on a tree and grows on a tree. It is covered by a substance that you can eat.
Wild	Animals or plants that live and grow in natural surroundings.
Petal	Thin coloured or white part that forms part of the flower.

Key vocabulary	
absorbent	material that soaks up liquid easily
bendy	an object that bends easily into a curved shape
brick	rectangular blocks of baked clay used for building walls, which are usually red or brown
dull	a colour or light that is not bright
fabrics	cloth or other material produced by weaving together cotton, wool or other threads.
man-made	things are created by people
natural	things that exist in nature and are not made by people
Opaque	if an object or substance is opaque , you cannot see through it
Plastic	a material which is light in weight and does not break easily
Rough	uneven and not smooth
Shiny	things are bright and reflect light
Smooth	no roughness, lumps, or holes
Stretchy	slightly elastic
Transparent	If an object is transparent , you can see through it
Waterproof	does not let water pass through it