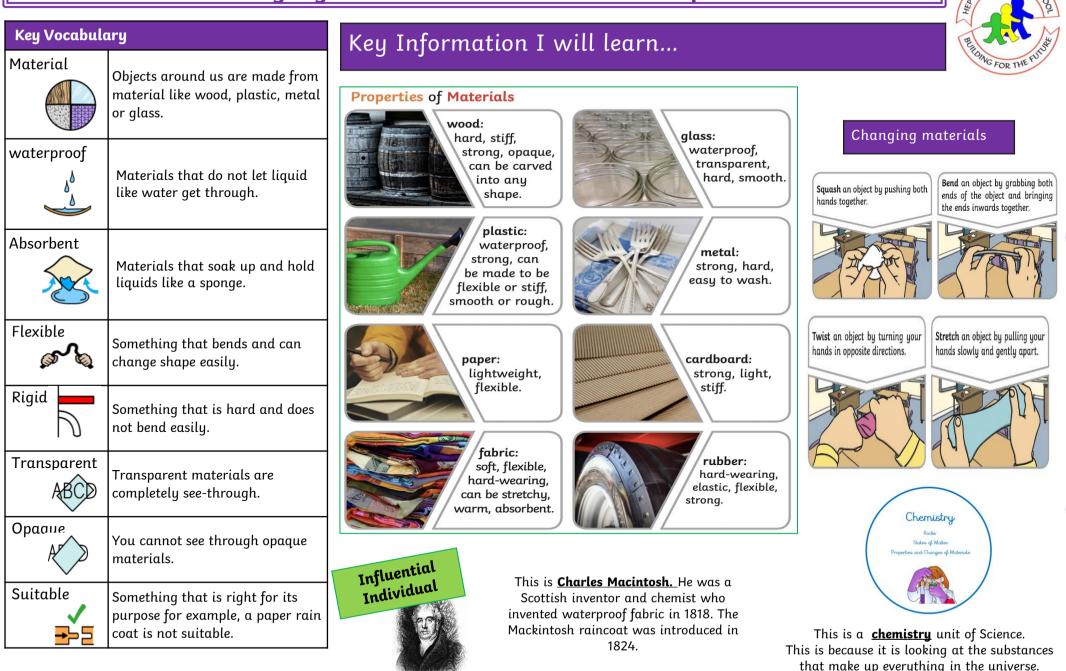
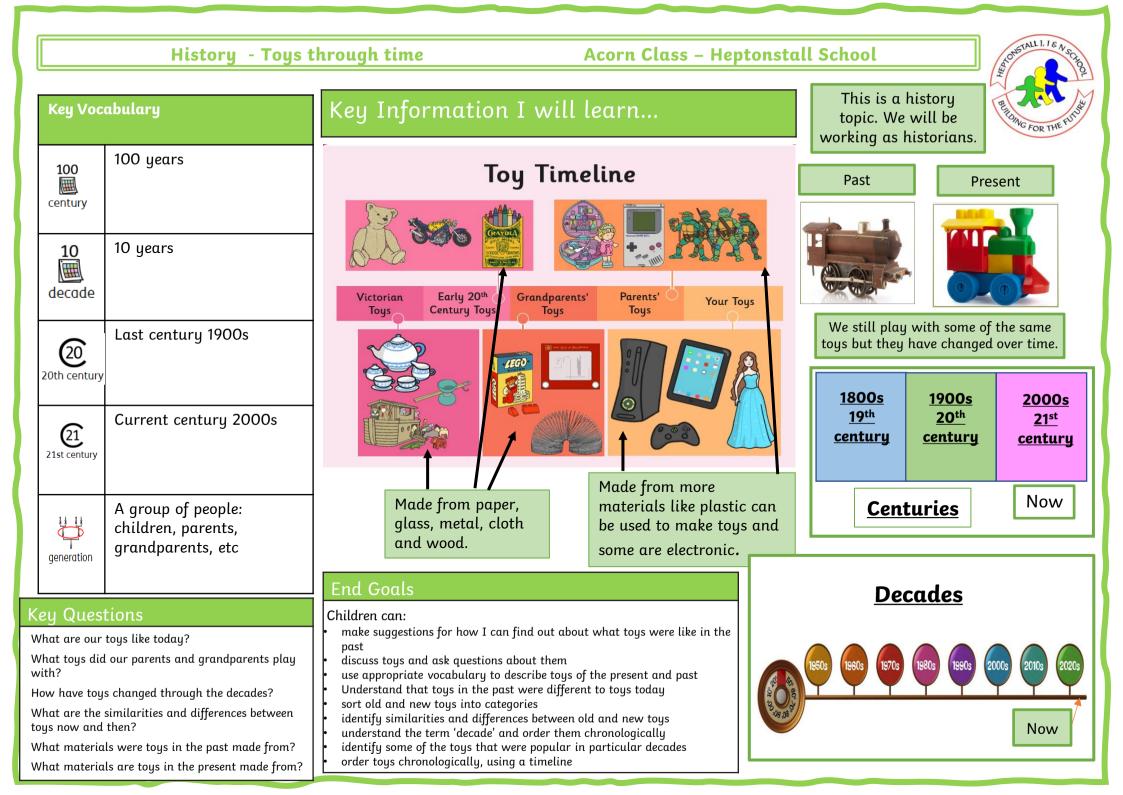
Science – Everyday Materials

Acorn Class – Heptonstall School





Art – Playful Making

Acorn Class – Heptonstall School

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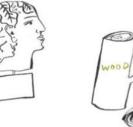
ADE BY



Key Vocabulary Creation of three-Sculpture dimensional art Sculptor An artist who makes sculptures Three An object with length. Dimensions breadth and depth Construction Something that is put together or built Materials Something an object is made from such as wood, metal or plastic. Tools Something that is used to make a change to something else or to help do a job Invent To think of, come up with, or create something new Design A plan to help you make something Explore Discover something new

Key Information I will learn...

WHAT IS SCULPTURE? -







Key Questions

- What is a sculpture?
- How can materials be manipulated?
- What does it mean to bend, fold, twist, cut and fasten materials?
- How can you use materials, tools and ideas to invent?
- What do you like about your sculpture?
- What would you change about your sculpture?

End Goals

Children can;

- explore what we mean by 'sculpture'
- use their sketchbook to make drawings inspired by sculptures
- Use their hands to make small sculptures out of lots of different materials. bend, fold, twist, cut and fasten materials together.

use their hands to make sculptures without designing first. discover that sometimes working with materials is hard work – things break or my fingers hurt – but that's okay.

use their sketchbook to respond to what I have learnt about materials. share their work and listen to what other people like about it.

look at other people's work and sometimes share what they like about it with them.



Everyday Materials

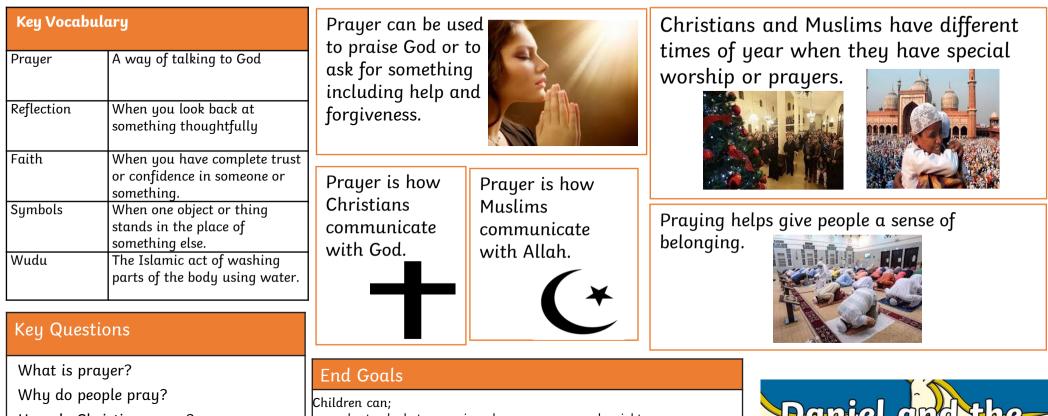


Boats that float sculptures

RE: How and why do people pray? 2.3 Acorn Class – Heptonstall School

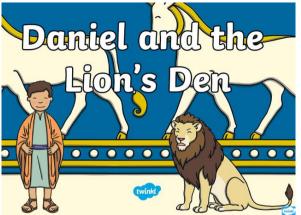
Key Information I will learn...





- How do Christians pray?
- Do actions, positions or symbols help in prayer?
- How do Muslims pray?
- How do people prepare to pray?
- Can symbols of faith help us to pray?
- What are special times of worship and prayer for Christians and Muslims?

- understand what prayer is and some reasons people might pray.
- think about issues of concern for them. identify ways Christian may pray.
- describe how some symbols help in prayer.
- Understand that some prayers are special, including the Lord's Prayer. dentify ways Muslims may pray.
- describe how some actions and symbols help in prayer.
- Understand that some prayers, places and artefacts are special.
- Name some of the main festivals and seasons e.g. harvest, Lent, Easter, Advent, Christmas, Ramadan, Eid.
- Describe special prayers/ worship associated with festivals and seasons.
- Name some of the symbols and practices linked to festivals and seasons
- Consider how prayer can take place anywhere but also think of places where it may be most helpful.



DT – Mechanisms: Making a Moving Monster Acorn Class – Heptonstall School

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Key Vocabulary		
Design criteria	A set of rules to help designers focus their ideas and test the success of them.	
Evaluation	When you look at the good and bad points about something, then think about how you could improve it.	
Input	The energy that is used to start something working.	
Linkage	Lengths of materials that are joined together by pivots, so that links can move as part of a mechanism.	
Mechanical	Something that can move because several pieces work together like a machine.	
Mechanism	A collection of parts that work together to create a movement e.g a bicycle	
Output	Output is the motion that happens as a result of starting the input.	
Pivot	The central point, pin or shaft on which a mechanism turns or swings.	
Survey	To ask a group of people questions about something and to use their answers to make improvements.	

Key Questions

- What is a lever?
- What is a linkage?
- What does input and output mean?
- Why do designers have design criteria?
- What is a pivot point?
- What do you like about your moving monster? What would you change if you were to make it again? How could it be improved?

Key Information I will learn...

The four types of motion:



Linear motion Movement in a straight lin in any one direction. **Reciprocating motion** Movement in a straight line, back and forth, in any

Rotary motion: Movement in a circular motion.

Oscillating motion. Movement in a curve, back and forth.

End Goals

Children can;

Identify the correct terms for levers, linkages and pivots. Analyse popular toys with the correct terminology.

Create functional linkages that produce the desired input and output motions.

Design monsters suitable for children, which satisfy most of the design criteria.

Evaluate their two designs against the design criteria, using this information and the feedback of their peers to choose their best design.

Select and assemble materials to create their planned monster features.

Assemble the monster to their linkages without affecting their functionality.

