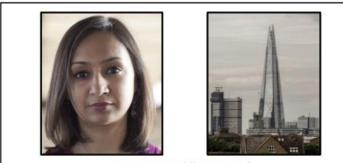
As Engineers in **Design and Technology**, we will be learning about structures.

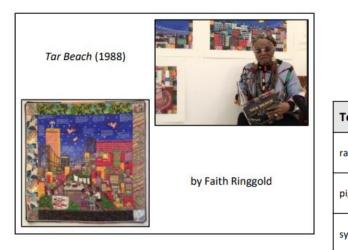


Roma Agrawal (born 1983) The Shard (started 2009 - completed 2012)

Year 3 & 4 Spring 1 2025 Design

At the end of this block, pupils will			
Know:	Be able to:		
Triangles provide stability in a structure	Make triangles to form and join trusses		
Structural engineers work with architects to ensure structures withstand forces	Identify the forces that affect structures		

As artists, we will be learning about textiles and collage.



In this block, pupils will explore colour, texture and pattern by combining textiles and collage. They will look at the work of artist Faith Ringgold and create a collaborative story quilt.

Technical Vocabulary	Definition	
radial	spreading out from a central point towards the edge of a circle	$\left \right $
bigment	a substance that gives something a particular colour when it is present in it or is added to it	
symbol	a sign, shape or object that is used to represent something else	

KEY VOCABULARY

Explanation	
A structural engineer analyses and designs the gravity support and force resistance of buildings, bridges and other structures.	
Geodesic refers to curved surfaces made up of geometric shapes and straight lines.	
Gravity is the force that attracts objects towards one another, especially the force that makes things fall to the ground.	

Technical Vocabulary	Definition	
truss	a rigid framework constructed from triangles	
compression	the act of putting pressure on an object from different sides until it gets smaller	
tension	the state of being stretched tight and stiff	

KEY VOCABULARY

Core Knowledge	Explanation
mandala	A mandala, which is Sanskrit for 'circle', is a geometric design that holds a great deal of symbolism in Hindu and Buddhist cultures. Mandalas are believed to represent different aspects of the universe and are used as instruments of meditation and symbols of prayer.
dye	Dye is a natural or synthetic substance used to add a colour to or change the colour of something.
quilt	A quilt is a multi-layered textile, traditionally composed of two or more layers of fibres. The top layer is often created from smaller fabric pieces joined together in patchwork. The pattern and colour of these pieces creates the design. Quilts can contain historical information about the creator. Quilting was often a communal activity.

In **PE**, we will be doing OAA and dance.

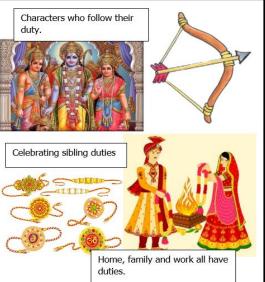
In **computing**, we are learning about managing online information.

In **music**, we are learning to play notes b, a and g on the recorder and learning simple tunes with those notes.



LKS2 How does the story of Rama and Sita inspire Hindus to follow their dharma?

Prior	What should we know?	Characters who f
learning	Dharma is about duty.	duty.
Hindus believe we all have a soul. The soul is reincarnated when we die, it lives on and moves into a new body. We collect good and bad karma through our actions.	 Hindu's believe: Everyone has their own DUTY or Dharma to fulfil in life. Dharma should be taken seriously -like playing a role in a team. Siblings have a duty to look after each other. Many Hindu stories are about those who follow their duty, no matter what. Hindu marriage joins two people for life, so they can fulfil their dharma together. 	Celebrating sibling



What should we be able to do?

OT

Describe what a Hindu might learn from the story of Rama and Sita.

Describe some things Hindus do to celebrate Rama and Sita's commitment to duty and describe how Hindus celebrate Diwali.

Explain why Hindu children are encouraged to 'Be as Rama' or 'as Sita,'

Tier 2 multiple meaning or high frequency		🖨 Tie	er 3 subject specific
consequence	a direct result or effect	magnet	a material or an object that attra- other materials such as iron
contact	state of touching something else	resistance	a force that slows movement
force	something that causes movement	friction	force acting against the direction of movement
attract	draw something closer	repel	push something away
north	one end of a magnet	pole	one of the two ends of a magr
south	opposite end of a magnet to north	magnetic field	area around a magnet in whic its magnetic force acts

PSHE: Working together and financial capability

This unit will help children understand the importance of money in our lives, where it might come from, and in particular how we can earn it. They will explore the different ways we can us a this finite resource, including saving it. They will increase their understanding of the difference between needs and wants, the choices we and our families make and how these might be affected by our values, beliefs and culture. They will consider what 'value for money' might mean and how to make choices based on the information we have about items for sale.

> In French, we will be learning about items from daily life.

As **scientists**, we are learning and revisiting forces and use our knowledge to help us as designers. We will also be revisiting light and sound.