

National Treasures

Big Ben's Gears



Rights of the Child/Global Goals

Article 13

Every child must be free to express their thoughts and opinions and to access all kinds of information, as long as it is within the law.

Global Goal 9 Industry, innovation and infrastructure

Prior learning

Knowledge on forces from science lessons (Y3, Y5)

DT Big Ideas

We Are Engineers

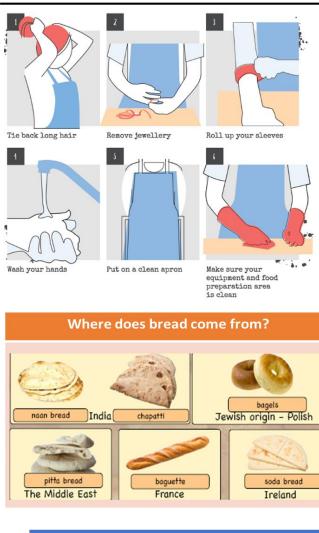
Design: we use criteria to design products that do a job for a person or group.

Make: we make products that do a job or solve a problem.

Evaluate: we continually reflect on our work and that of others and we look for ways to improve it.

Technical Knowledge: we apply our understanding to make products that work.

Year 5 DT - Bread



Bread Ingredients

500g strong flour 1 tsp salt 20g butter 7g yeast 300ml warm water

<u> </u>					
Tier 2 Vocabulary					
specification	describes what a product has to do				
♥ ♥ + ↓ ↓ evaluate	to judge if a product meets chosen criteria				
design	a plan or drawing of your ideas				
Topic Vocabulary					
knead	Work moistened flour into dough or paste with the hands.				
sieve	A utensil made of a wire or plastic mesh held in a frame.				
yeast	A microscopic fungus.				
texture	The feel, appearance, or consistency of a surface or a substance.				
hygiene	Maintaining health and preventing disease, especially through cleanliness.				
LLLL. 1 prototype	A quick 3-D model used to check a design				
product	Something that is made				

National Treasures

The Great British Bake Off!



Rights of the Child/Global Goals

Article 24

Every child has the right to the best possible health. Governments must provide good quality health care, clean water, nutritious food, and a clean environment and education on health and well-being so that children can stay healthy.

Global Goal 3 Good health and wellbeing

Prior learning

Healthy choices and healthy eating plate Seasonal food



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Cooking and Nutrition: we use what we know about food to safely prepare healthy meals.

Year 5			DT - Bridges		
Name of bridge	Location	Type of bridge Photo	Topic (Tier 3) Vocabulary		
Akashi Kaikyo Bridge	Japan	Suspension bridge	Arch	A vertical curved structure	
Clifton Suspension Bridge	England	Suspension bridge	Cantilever	A long piece of wood, metal, etc., that sticks out and supports something above it	
Chaotianmen Bridge	China	Arch bridge	Bascule	A movable section of road.	
Sydney Harbor Bridge	Australia	Arch bridge	Pillar	A tall vertical structure of stone, wood or metal	
The Forth Bridge	Scotland	Cantilever bridge	Truss	A framework used for support.	
Tower Bridge	England	Combined suspension and bascule bridge	Suspension bridge	A bridge in which the weight of the deck is supported by vertical cables.	
Tier 2 Vocabulary		Prototype	A quick 3-D model used to check a design		
Specification	descr has to	ibes what a product do		Something that is made	
Evaluation	•	ge if a product chosen criteria	Product		
Design	a plan ideas	a plan or drawing of your ideas		roduct specification design reinforce overlugte	
Reinforce	to strengthen or support.		prototype pr	roduct specification design reinforce evaluate	

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Tower Bridge



Prior learning

How to strengthen materials

Working to design criteria

Forces (pushes and pulls) from science lessons Shape knowledge

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