



**D&T Curriculum**  
**KS1 Knowledge Organisers**

## Knowledge Organiser

D&T Unit: Food Technology -Soup

Year: B2

Term: Autumn

Learning Objectives - Knowledge	
C1 – Year R/1	Key Driver
To know healthy food to eat	HL
To know and taste a variety of vegetables (EYFS H & S)	HL
To know and sort vegetables by taste, shape, size, colour and texture (EYFS H & S)	HL
To know and design a vegetable soup for a medieval feast.	C/HL
To know how to use basic tools to chop vegetables (EYFS M &H)	C
To know how to make a soup using a range of vegetables (EYFS H & S)	C/HL
To know how to evaluate vegetable soup	C

Key Vocabulary	
Word	Meaning
soup	a liquid dish, typically savoury and made by boiling meat, fish or vegetables
vegetable	a plant or part of a plant used as food, such as cabbage, potato, turnip or bean
design	a plan or drawing produced to show the look and function or working of a building or other object before it is made
healthy	in a good physical or mental condition; in good health
hygiene	the practice of keeping clean and prevent the spread of viruses
nutrient	something in food that helps people, animals and plants live and grow
evaluate	to judge

Equipment Required
- variety of vegetables - range of tin soups - chopping knife - cooker - chopping board - peelers - measuring jugs - large pan - wooden spoon

Useful Websites or Resources
<a href="http://www.bbc.co.uk/bitesize">www.bbc.co.uk/bitesize</a> - Healthy eating and nutrition class clips <a href="http://www.medieval-recipes.com/recipes/pottage">www.medieval-recipes.com/recipes/pottage</a>

## Knowledge Organiser

D&T Unit: Food Technology

Year: B2

Term: Autumn

Learning Objectives - Knowledge	
C2 – Year 1/2	Key Driver
To know how to sort a variety of foods into groups e.g. dairy, vegetables, fruit, pulses, meat etc.	HL
To know how to research and taste a variety of healthy foods and talk about likes, dislikes and reasons why.	HL
To know how to evaluate a range of existing products (soups).	C
To know how to plan a medieval soup, discussing what tools and equipment will be needed and how we can use them.	C
To know the importance of food hygiene and demonstrate food safety when handling food.	HL
To know how to evaluate our homemade soup and discuss improvements.	C

Key Vocabulary	
Word	Meaning
fruit	the part of a plant that has seeds and flesh.
vegetable	a plant or part of a plant, such as carrots, beans, or lettuce, that is used for food.
evaluate	to judge.
hygiene	the practice of keeping clean to stay healthy and prevent disease.
soup	a liquid food made with small pieces of vegetables, meat, fish, or grains cooked in water or broth.
meat	the flesh of animals when used as food.
dairy	made from milk or having to do with milk products.
poultry	chickens, turkeys, and other birds that are raised for their meat and eggs.
nutrient	something in food that helps people, animals, and plants live and grow.
product	something made by means of either human work or that of a machine

Equipment Required
<ul style="list-style-type: none"><li>- a variety of food</li><li>- a selection of different tins of soup</li><li>- chopping boards</li><li>- cutlery</li><li>- hob and pans</li><li>- peelers</li><li>- measuring jugs and spoons</li></ul>

Useful Websites or Resources
<p><a href="https://www.medieval-recipes.com/recipes/pottage/">https://www.medieval-recipes.com/recipes/pottage/</a></p> <p><a href="https://www.bbcgoodfood.com/howto/guide/best-soup-recipes-kids">https://www.bbcgoodfood.com/howto/guide/best-soup-recipes-kids</a></p> <p><a href="https://campaignresources.phe.gov.uk/schools/resources/Food-Detectives-KS1-Toolkit">https://campaignresources.phe.gov.uk/schools/resources/Food-Detectives-KS1-Toolkit</a></p> <p><a href="https://www.educationquizzes.com/ks1/science/staying-healthy-food-balanced-diet/">https://www.educationquizzes.com/ks1/science/staying-healthy-food-balanced-diet/</a></p> <p><a href="https://www.youtube.com/watch?v=mMHVEFWNLMc">https://www.youtube.com/watch?v=mMHVEFWNLMc</a> - Tesco's Eat Happy Project</p>

## Knowledge Organiser

D&T Unit: On the Move

Year: B2

Term: Spring

Learning Objectives - Knowledge	
C1 – Year R/1	Key Driver
To know different vehicles and discuss the different parts.	C
To know the position of the axle in vehicles and use simple construction material to build a vehicle e.g. Mobilo	C
To know how to design a simple vehicle.	C
To know how to make a simple vehicle using junk material.	C
To know how to use equipment safely to cut dowel to the correct length with support.	C
To know how to apply paint, coloured paper and glue to the vehicle.	C
To know how to evaluate vehicles and suggest improvements.	C

Key Vocabulary	
Word	Meaning
axle	a bar or shaft on which a wheel or wheels turn.
wheel	a circular object that revolves on an axle and is fixed below a vehicle.
design	a plan or drawing produced to show the look or function of a product e.g vehicle
decorate	make (something) look more attractive by adding extra items or images to it.
vehicle	something used to carry or move people or things.
construct	to build or make something

Equipment Required	
<ul style="list-style-type: none"><li>- Dowelling of various width</li><li>- Cardboard boxes</li><li>- Masking and clear adhesive tape</li><li>- Elastic bands</li><li>- Paper fasteners</li><li>- Wooden, plastic and card wheels in various sizes</li><li>- PVA glue</li><li>- Paint and paper</li><li>- Hacksaw</li><li>- Pencil</li></ul>	

Useful Websites or Resources	
<p><a href="https://www.youtube.com/watch?v=Lpey_cQs_I">https://www.youtube.com/watch?v=Lpey_cQs_I</a> (wheels and axles story)</p> <p><a href="https://www.youtube.com/watch?v=Vn6PVkilTdc">https://www.youtube.com/watch?v=Vn6PVkilTdc</a> (range rover how it's made)</p>	

## Knowledge Organiser

D&T Unit: On The Move

Year: B2

Term: Spring

Learning Objectives - Knowledge	
C2 – Year 1/2	Key Driver
To know the importance of where the axle is with regards to the wheel on a vehicle to help it move in a straight line.	C
To know how different chassis shapes can affect stability and vehicle structure.	C
To know how to research and design our own vehicle.	C
To know how to use equipment safely (hacksaw etc) to cut dowel to the correct length to make a strong chassis.	C
To know how to use our knowledge of axles, wheels and chassis to build a base for a vehicle.	C
To know how to evaluate our final design and suggest improvements.	C

Key Vocabulary	
Word	Meaning
wheel	a round frame that turns on the axle. Wheels are found on cars, trucks, bikes, wagons and other things.
chassis	the frame that supports the body and engine in a vehicle.
axle	a bar or shaft on which a wheel or wheels turn.
design	to make or draw plans for the structure or form of.
vehicle	something used to carry and move people or things.
stability	being stable
construct	to build; put together.

Equipment Required
<ul style="list-style-type: none"><li>- wooden pegs</li><li>- dowel</li><li>- pva glue</li><li>- rulers</li><li>- cardboard triangles</li><li>- wheels</li><li>- drawing pins</li><li>- hacksaw</li><li>- pencils</li></ul>

Useful Websites or Resources
<p><a href="https://www.youtube.com/watch?v=Lpey_cCqS_I">https://www.youtube.com/watch?v=Lpey_cCqS_I</a> (wheels and axles story)</p> <p><a href="https://www.youtube.com/watch?v=Vn6PVkilTdc">https://www.youtube.com/watch?v=Vn6PVkilTdc</a> (range rover how it's made)</p> <p><a href="https://www.youtube.com/watch?v=SJZk9vNS8NE">https://www.youtube.com/watch?v=SJZk9vNS8NE</a> (Building a Boeing 787-9 dreamliner time lapse)</p> <p><a href="https://www.youtube.com/watch?v=zsbdIyExsgU">https://www.youtube.com/watch?v=zsbdIyExsgU</a> (first 0:36 seconds - Ford mustang timelapse)</p> <p><a href="https://www.youtube.com/watch?v=I51m3Al6hyA">https://www.youtube.com/watch?v=I51m3Al6hyA</a> (cruise ship timelapse)</p>

## Knowledge Organiser

D&T Unit: Components/Structures - Lighthouses

Year: B2

Term: Summer

Learning Objectives - Knowledge	
C1 – Year R/1	Key Driver
To know about the features of a lighthouse and how lighthouses can be different e.g. tower structure, lantern room, lamp, lens, etc.	C
To know how to make a stable structure out of large construction materials e.g. cardboard boxes, mobilo, wooden blocks, etc.	C
To know how to make a stable, tall structure out of small construction materials e.g. small cardboard boxes, lego, duplo, etc.	C
To know how to join items together (junk modelling) to create a lighthouse e.g. cellotape, glue, split pins, etc.	C
To know about electrical equipment that is used in the home and in school and whether it is battery powered or main electric.	C
To know how to make a 2D lighthouse using lollipop sticks, straws, k-nex, meccano, etc.	C

Key Vocabulary	
Word	Meaning
lighthouse	enclosed tower with an enclosed lantern built by a governing authority as an aid to navigation.
beacon	a lighted or unlighted fixed aid to navigation
lantern	a glass enclosure at the top of the lighthouse tower, which housed the lighthouse lens.
lens	glass optical system used to concentrate the light in a desired direction.
stable	fixed, firm, or steady in position; not shaky or easily moved.
structure	anything that has been built.
tower	structure supporting the lantern room of the lighthouse.

Equipment Required
<ul style="list-style-type: none"><li>- duplo</li><li>- cardboard boxes</li><li>- mobilo</li><li>- wooden blocks</li><li>- lego</li><li>- glue</li><li>- cellotape</li><li>- split pins</li><li>- hole punch</li><li>- k-nex</li><li>- straws</li><li>- lollipop sticks</li><li>- meccano</li></ul>

Useful Websites or Resources
<p><a href="https://kids.kiddle.co/Lighthouse#:~:text=The%20Lighthouse%20itself%20consists%20of,bars%20running%20vertically%20or%20diagonally.">https://kids.kiddle.co/Lighthouse#:~:text=The%20Lighthouse%20itself%20consists%20of,bars%20running%20vertically%20or%20diagonally.</a></p> <p><a href="https://www.youtube.com/watch?v=QbyGznyf7BI">https://www.youtube.com/watch?v=QbyGznyf7BI</a></p> <p><a href="https://uslhs.org/education/glossaries-facts-trivia/lighthouse-glossary-terms">https://uslhs.org/education/glossaries-facts-trivia/lighthouse-glossary-terms</a></p>

## Knowledge Organiser

D&T Unit: Components/Structures - Lighthouses

Year: B2

Term: Summer

Learning Objectives - Knowledge	
C2 – Year 1/2	Key Driver
To know about the features of a lighthouse and their purpose e.g. tower structure, lantern room, lamp, lens, etc.	C
To know how to use construction materials (lego, wooden blocks, clix etc.) to construct their own lighthouse design.	C
To know how to make a stable base for a tower and explore widening bases e.g. using wooden blocks, cardboard boxes, clix, etc.	C
To know how to make a square frame using triangular card joints for support to act as a base for a lighthouse.	C
To know the importance of a battery in a simple circuit.	C
To know how to make a simple circuit to use inside a lighthouse design.	C

Key Vocabulary	
Word	Meaning
lighthouse	enclosed tower with an enclosed lantern built by a governing authority as an aid to navigation.
beacon	a lighted or unlighted fixed aid to navigation
harbor	a sheltered area of water where boats can be anchored.
safety	the condition of being safe from danger.
structure	anything that has been built.
stable	fixed, firm, or steady in position; not shaky or easily moved.
tower	structure supporting the lantern room of the lighthouse.
de-commissioned	a lighthouse that no longer functions as a navigational aid
lantern	a glass enclosure at the top of the lighthouse tower, which housed the lighthouse lens.
lens	glass optical system used to concentrate the light in a desired direction.

Equipment Required
<ul style="list-style-type: none"><li>- cardboard boxes</li><li>- mobilo</li><li>- wooden blocks</li><li>- lego</li><li>- k-nex</li><li>- meccano</li><li>- bulbs</li><li>- wires</li><li>- batteries</li><li>- triangular card joints</li><li>- strip wood</li><li>- clix</li></ul>

Useful Websites or Resources
<p><a href="https://kids.kiddle.co/Lighthouse#:~:text=The%20Lighthouse%20itself%20consists%20of,bars%20running%20vertically%20or%20diagonally.">https://kids.kiddle.co/Lighthouse#:~:text=The%20Lighthouse%20itself%20consists%20of,bars%20running%20vertically%20or%20diagonally.</a></p> <p><a href="https://www.youtube.com/watch?v=QbyGznyf7B!">https://www.youtube.com/watch?v=QbyGznyf7B!</a></p> <p><a href="https://uslhs.org/education/glossaries-facts-trivia/lighthouse-glossary-terms">https://uslhs.org/education/glossaries-facts-trivia/lighthouse-glossary-terms</a></p>