



# D&T Curriculum

## KS1 Knowledge Organisers

**Knowledge Organiser - C1 – Year R/1****D&T Unit:** Cooking - Bread Making**Year:** A2**Term:** Autumn

Learning Objectives - Knowledge	Key Driver
To know how to describe and explore bread products using our senses	HL, C
To know how to design a bread product considering suitability	C
To know how to work safely and hygienically when handling food	HL
To know how to measure ingredients using cups and spoons	C
To know how to talk about the changes when the food is mixed	C
To know how to discuss our final product and if we could make improvements	C

Key Vocabulary	
Word	Meaning
dough	a thick, malleable mixture of flour and liquid, used for baking into bread or pastry
knead	work (moistened flour or clay) into dough or paste with the hands.
measure	ascertain the size, amount, or degree of (something) by using an instrument or device marked in standard units.
product	an article or substance that is manufactured or refined for sale.
suitability	the quality of being right or appropriate for a particular person, purpose, or situation.
hygienically	conditions or practices conducive to maintaining health and preventing disease, especially through cleanliness.
Safely	in a way that gives protection from danger or risk.

Equipment Required
Baking equipment - chopping boards, oven, weighing scales, mixing bowl, cups, spoons etc. Ipad - taking pictures and recording the process.

Useful Websites or Resources
<a href="https://www.twinkl.co.uk/resource/t-t-20249-bread-recipe-sheet">https://www.twinkl.co.uk/resource/t-t-20249-bread-recipe-sheet</a> <a href="https://www.twinkl.co.uk/resource/t-t-8891-the-journey-of-bread-powerpoint">https://www.twinkl.co.uk/resource/t-t-8891-the-journey-of-bread-powerpoint</a> <a href="https://www.youtube.com/watch?v=1zUW6sqbM-U">https://www.youtube.com/watch?v=1zUW6sqbM-U</a> <a href="https://www.youtube.com/watch?v=1zUW6sqbM-U&amp;t=136s">https://www.youtube.com/watch?v=1zUW6sqbM-U&amp;t=136s</a>

**Knowledge Organiser - C2 – Year 1/2****D&T Unit:** Cooking - Bread Making**Year:** A2**Term:** Autumn

Learning Objectives - Knowledge	Key Driver
To know how to describe, explore and investigate bread products and how they meet a client's needs.	HL, C
To know how to design a product considering functionality, suitability and aesthetics.	C
To know how to work safely and hygienically when handling food.	HL
To know how to measure and weigh accurately using cups and spoons when making bread.	C
To know how to record mistakes and develop solutions.	C
To know how to evaluate our final product against a checklist for criteria.	C

Key Vocabulary	
Functionality	the quality of being suited to serve a purpose well; practicality.
Suitability	the quality of being right or appropriate for a particular person, purpose, or situation.
Aesthetics	a set of principles concerned with the nature and appreciation of beauty.
Product	an article or substance that is manufactured or refined for sale.
Measure	ascertain the size, amount, or degree of (something) by using an instrument or device marked in standard units.
Accurately	in a way that is correct in all details; exactly.
hygienically	conditions or practices conducive to maintaining health and preventing disease, especially through cleanliness.
Solution	a means of solving a problem or dealing with a difficult situation.
Safely	in a way that gives protection from danger or risk.

Equipment Required
Baking equipment - chopping boards, oven, weighing scales, mixing bowl etc.
Ipads - taking pictures and recording the process.

Useful Websites or Resources
<a href="https://www.youtube.com/watch?v=1zUW6sqbM-U">https://www.youtube.com/watch?v=1zUW6sqbM-U</a> <a href="https://www.youtube.com/watch?v=LWyFyvR7NDM">https://www.youtube.com/watch?v=LWyFyvR7NDM</a> <a href="https://www.twinkl.co.uk/resource/t-t-20249-bread-recipe-sheet">https://www.twinkl.co.uk/resource/t-t-20249-bread-recipe-sheet</a> <a href="https://www.twinkl.co.uk/resource/t-t-8891-the-journey-of-bread-powerpoint">https://www.twinkl.co.uk/resource/t-t-8891-the-journey-of-bread-powerpoint</a>

**Knowledge Organiser - C1 – Year R/1****D&T Unit:** 3D Modelling - Junk Models    **Year:** R/1    **Term:** Spring

Learning Objectives - Knowledge	Key Driver
To know that plastic is a man-made material and sort plastic into recyclable and non-recyclable	NW, HL
To know how to design a product for decoration purposes using plastic materials	C
To know use simple tools to cut materials and know how to join with tape and glue	C
To know how add paper shapes to piece	C
To know how to apply simple finishes e.g. paint, PVA glue	C
To know how to discuss our final piece and to see if we could make improvements.	C

Key Vocabulary	
Word	Meaning
Plastic	a synthetic material made from a wide range of organic polymers such as polyethylene, PVC, nylon, etc., that can be moulded into shape while soft, and then set into a rigid or slightly elastic form.
Recyclable	able to be recycled.
Man-made	made or caused by human beings
Appearance	the way that someone or something looks.
Joining	link; connect
Aesthetic	a set of principles underlying the work of a particular artist or artistic movement

Equipment Required
Tape, glue, paper, plastic bottles, paint, scissors, marker pen, paint brushes

Useful Websites or Resources
<a href="https://www.bbc.co.uk/cbeebies/curations/junk-rescue-collection">https://www.bbc.co.uk/cbeebies/curations/junk-rescue-collection</a> <a href="https://www.twinkl.co.uk/resource/junk-model-picture-flashcards-and-prompt-card-pack-t-tp-1633989120">https://www.twinkl.co.uk/resource/junk-model-picture-flashcards-and-prompt-card-pack-t-tp-1633989120</a>

**Knowledge Organiser C2 – Year 1/2****D&T Unit:** 3D Modelling - Junk Models**Year:** A2**Term:** Spring

Learning Objectives - Knowledge	Key Driver
To know that plastic is a man-made material and sort hard and soft plastics based on their recyclability.	NW, HL
To know how to design a product for decoration purposes using plastic materials.	C
To know how to use simple tools to cut and join materials together.	C
To know how to curl paper to add detail to our final piece.	C
To know how to select from a range of finishes to improve appearance e.g. paint, pva glue	C
To know how to evaluate our final design against a checklist of criteria.	C

Key Vocabulary	
Word	Meaning
Plastic	a synthetic material made from a wide range of organic <u>polymers</u> such as <u>polyethylene</u> , PVC, nylon, etc., that can be <u>moulded</u> into shape while soft, and then set into a rigid or slightly elastic form.
Recycle	convert (waste) into <u>reusable</u> material.
Man-made	made or caused by human <u>beings</u>
Appearance	the way that someone or something looks.
Joining	link; connect
Aesthetic	a set of principles underlying the work of a particular artist or artistic movement

Equipment Required
A 500ml plastic bottle A range of plastics (hard and soft) Scissors, pva glue, paint, glue, tape

Useful Websites or Resources
<a href="https://www.bbc.co.uk/cbeebies/curations/junk-rescue-collection">https://www.bbc.co.uk/cbeebies/curations/junk-rescue-collection</a> <a href="https://rainydaymum.co.uk/recycled-materials-and-junk-modelling-crafts-for-kids/">https://rainydaymum.co.uk/recycled-materials-and-junk-modelling-crafts-for-kids/</a>

**Knowledge Organiser - C1 – Year R/1****D&T Unit:** Textiles - Victorian Designs**Year:** A2**Term:** Summer

Learning Objectives -Knowledge	Key Driver
To know how to sort and group textiles by texture and colour.	C, NW
To know how to design a Victorian quilt for a dolls house and describe the tools and materials needed.	C
To know how to make and use a simple template.	C
To know how to join fabric using a needle and thread.	C
To know how to use fabric scissors and needles safely	C, HL
To know how to evaluate the success of the product in terms of function.	C

Key Vocabulary	
Word	Meaning
Quilt	a warm bed covering made of padding enclosed between layers of fabric and kept in place by lines of stitching, typically applied in a decorative design
Template	any material made of interlacing fibres, including carpeting and geotextiles
Texture	the feel, appearance, or consistency of a surface or substance
Function	what the product should do and how well it does it
Textile	any material made of interlacing fibres, including carpeting and geotextiles
Design	To generate, develop and communicate ideas for a product
Sew	To join pieces of fabric with stitches
Evaluate	To judge how a product meets chosen criteria

Equipment Required
Thread, fabric squares, scissors, needles, templates.

Useful Websites or Resources
<a href="https://www.youtube.com/watch?v=c7oQfYXqF4M">https://www.youtube.com/watch?v=c7oQfYXqF4M</a> <a href="https://www.youtube.com/watch?v=i1-B01FB56s">https://www.youtube.com/watch?v=i1-B01FB56s</a>

Knowledge Organiser - C2 – Year 1/2

D&T Unit:      Textiles - Victorian Designs      Year: A2      Term: Summer

Learning Objectives - Knowledge	Key Driver
To know how to sort a range of textiles by characteristics e.g. texture, design, colour	C, NW
To know how to design a Victorian quilt for a dolls house and describe the tools and materials needed.	C, NW
To know how to make and use a simple template.	C
To know how to join fabrics using a needle and thread.	C
To know how to use fabric scissors and needles safely.	C, HL
To know how to evaluate the success of the product in terms of function and aesthetic criteria.	C

Key Vocabulary	
Word	Meaning
Quilt	a warm bed covering made of padding enclosed between layers of fabric and kept in place by lines of stitching, typically applied in a decorative design.
Textile	any material made of interlacing fibres, including carpeting and geotextiles
Texture	the feel, appearance, or consistency of a surface or substance.
Function	what the product should do and how well it does it
Aesthetic	concerned with beauty or the appreciation of beauty.
Template	a shaped piece of rigid material used as a pattern for processes such as cutting out, shaping, or drilling.

Equipment Required
Fabric squares Needles Cotton thread Fabric scissors

Useful Websites or Resources
<a href="https://www.youtube.com/watch?v=c7oQfYXqF4M">https://www.youtube.com/watch?v=c7oQfYXqF4M</a>