



D&T Curriculum

KS1 Knowledge Organisers

Knowledge Organiser - C1 – Year R/1

D&T Unit: Textiles - Flags and Banners Year: B1 Term: Autumn

Learning Objectives - Knowledge	Key Driver
To know how to sort and group textiles by texture and colour	C
To know how to talk about and describe key features of a range of materials	C
To know how to use pictures and words to produce a design for a piece of bunting	C
To know how to use running stitch to join two pieces of fabric together	C
To know how to apply simple finishing techniques e.g. fabrics, glueing on items, painting, printing, etc	C
To know how to evaluate the success of the final product	C

Key Vocabulary	
Word	Meaning
texture	Texture, another element of art, is used to describe the object more and how something feels or looks.
colour	Colour is the element of art that is produced when light, striking an object, is reflected to the eye.
feature	a distinctive attribute or aspect of something.
design	a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.
stitch	a loop of thread or yarn resulting from a single pass or movement of the needle in sewing, knitting, or crocheting.
evaluate	to assess the effectiveness
product	an article or substance that is manufactured or refined for sale.
pattern	A pattern is a design in which lines, shapes, forms and colours are repeated.

Equipment Required
Thin white cotton Needles Different coloured Thread Fabric pens

Useful Websites or Resources
Textile books

Knowledge Organiser - C2 – Year 1/2

D&T Unit: Textiles - Flags and banners Year: B1 Term: Autumn

Learning Objectives - Knowledge	Key Driver
To know how to sort and group textiles by texture and colour	C
To know how to talk about and describe key features of a range of materials	C
To know how to use pictures and words to produce a design for a piece of bunting	C
To know how to use running stitch to join pieces of fabric together	C
To know how to apply simple finishing techniques e.g. fabric crayons, glueing on items, painting, printing, etc	C
To know how to evaluate the success of the final product	C

Key Vocabulary	
texture	Texture, another element of art, is used to describe the object more and how something feels or looks.
colour	Colour is the element of art that is produced when light, striking an object, is reflected to the eye.
feature	a distinctive attribute or aspect of something.
design	a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.
stitch	a loop of thread or yarn resulting from a single pass or movement of the needle in sewing, knitting, or crocheting.
evaluate	to assess the effectiveness
product	an article or substance that is manufactured or refined for sale.
pattern	A pattern is a design in which lines, shapes, forms and colours are repeated.

Equipment Required
A range of fabrics, needles and thread, Binca fabric, fabric pens, buttons etc to sew on, PVA glue

Useful Websites or Resources
Textile books

Knowledge Organiser - C1 – Year R/1**D&T Unit:** Cooking -food to take to space**Year:****Term:** Spring

Learning Objectives - Knowledge	Key Driver
To know how to sort fruit and vegetables and to discuss their taste, shape, size, colour and texture.	C / HL
To know about safety and hygiene when working with food.	C / HL
To know about the changes that take place when food is shaped and mixed.	C
To know how to explore a range of products to see if they are suitable for spaceflight.	C
To know how to make a snack for an astronaut to take to space thinking of nutritional value and suitability.	C
To know how to use basic tools to cut, shape and mix e.g. knives, peelers	C / HL
To know how to discuss what has been made and the steps taken to achieve the outcome.	C

Key Vocabulary	
Word	Meaning
classify	arrange in classes or groups
hygiene	conditions or practises conducive to maintaining health and preventing disease, especially through cleanliness.
safety	the condition of being protected from or unlikely to cause danger, risk, or injury.
suitability	the quality of being right or appropriate for a particular person, purpose, or situation.
spaceflight	a journey through space
nutrition	the process of providing or obtaining the food necessary for health and growth.
ingredients	any of the foods or substances that are combined to make a particular dish.
product	an article or substance that is manufactured or refined for sale.

Equipment Required
knives, peelers, chopping boards, samples of space food, range of different food for testing, selection of fruit and vegetables for sorting

Useful Websites or Resources
https://www.stem.org.uk/elibrary/resource/26165 https://www.youtube.com/watch?v=pCaXVZ0bT3o https://www.spacekids.co.uk/spacefood/

Knowledge Organiser C2 – Year 1/2**D&T Unit:** Cooking - Food to take to space**Year:** B1**Term:** Spring

Learning Objectives - Knowledge	Key Driver
To know how to sort and classify food into groups e.g. vegetables, pulses, dairy, meat, cereals, fruit, protein, sugars	C / HL
To know how to work safely and hygienically	C / HL
To know how to test foods to see if they are suitable for spaceflight	C
To know how to design product packaging based on previous knowledge of similar products and list ingredients and tools needed	C
To know how to make a snack suitable for an astronaut to take to space using knowledge of suitability and nutritional value	C / HL
To know how to evaluate the success of the product in terms of function	C

Key Vocabulary	
Word	Meaning
classify	arrange in classes or groups
hygiene	conditions or practises conducive to maintaining health and preventing disease, especially through cleanliness.
safety	the condition of being protected from or unlikely to cause danger, risk, or injury.
suitability	the quality of being right or appropriate for a particular person, purpose, or situation.
spaceflight	a journey through space
nutrition	the process of providing or obtaining the food necessary for health and growth.
ingredients	any of the foods or substances that are combined to make a particular dish.
balanced diet	a diet consisting of a variety of different types of food and providing adequate amounts of the nutrients necessary for good health.
product	an article or substance that is manufactured or refined for sale.

Equipment Required
knives, chopping boards, other 'cutting' equipment. a range of different food for testing

Useful Websites or Resources
https://www.stem.org.uk/elibrary/resource/26165 https://www.youtube.com/watch?v=pCaXVZ0bT3o

Knowledge Organiser - C1 – Year R/1

D&T Unit: Structures 3D modelling - Musical instruments Year: B1 Term: Summer

Learning Objectives - Knowledge	Key Driver
To know how the sounds are made of a number of african percussion instruments (shekere, djembe, doumbek ,agogo)	C / NW
To know what the instruments are made from and what material would be suitable for making a percussion instrument	C
To know how to design a beaded drum	C
To know how to work safely with simple tools (with support) e.g. using a hand drill to make holes	C / HL
To know how to apply simple finishes e.g. decorate the lid	C
To know how to talk about what has been made and its function	C

Key Vocabulary	
Word	Meaning
safety	the condition of being protected from or unlikely to cause danger, risk, or injury.
hand drill	a small portable drilling machine resembling a breast drill but designed to be held and operated by hand.
shekere	shekere (from Yoruba Şẹ̀kẹ̀rẹ̀) is a West African percussion instrument consisting of a dried gourd with beads or cowries woven into a net covering
djembe	a kind of goblet-shaped hand drum originating in West Africa.
doumbek	
agogo	a small bell made of two joined metal cones, used as a percussion instrument in African and Latin music.
design	a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.
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.

Equipment Required
drum shaped lidded container, wooden beads, thin string, coloured card, glue, tapestry needle, hand drill

Useful Websites or Resources
African Music Books

Knowledge Organiser - C2 – Year 1/2

D&T Unit: 3D modelling - musical instruments Year: B1 Term: Summer

Learning Objectives - Knowledge	Key Driver
To know a range of different African instruments, what they are made from and how they are played (shekere, djembe, doumbek, agogo)	C / NW
To know how to talk about and describe the tools and equipment needed to make a replica instrument.	C
To know how the features of materials could affect the functionality and durability of the final product (e.g. cardboard isn't as strong when wet)	C
To know how to select and use simple tools to create a final piece (e.g. needle for threading, hand drill for making holes etc).	C / HL
To know how to apply simple finishes (e.g. decoration, PVA glue)	C
To know how to evaluate the final product against functionality and aesthetic criteria	C

Key Vocabulary	
Word	Meaning
shekere	An agogô (Yoruba: agogo, meaning bell) is a single or a multiple bell now used throughout the world but with origins in traditional Yoruba and Edo music
djembe	a kind of goblet-shaped hand drum originating in West Africa.
doumbek	Doumbeks and darbuka drums are much sharper in tone and attack, perfect for close-quarters on stage where the focus is mostly on the dancer, and much less on the drum.
agogo	An agogô (Yoruba: agogo, meaning bell) is a single or a multiple bell now used throughout the world but with origins in traditional Yoruba and Edo music
instrument	a tool or implement, especially one for precision work.
functionality	the quality of being suited to serve a purpose well; practicality.
durability	the ability to withstand wear, pressure, or damage.
replica	an exact copy or model of something, especially one on a smaller scale.
aesthetic	concerned with beauty or the appreciation of beauty.

Equipment Required
recycled materials (e.g. yogurt pots), african instruments, wooden beads, string/wool, needles, coloured card, glue, hand drill, hole punch,

Useful Websites or Resources
African Music Books