Knowledge Organiser Booklet Year 5 Autumn I

Name Class

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Use your knowledge organisers to help you remember more.

	Test Yourself!	Only Connect!	Memory Cards	Order, Order!	Phone a Friend!	Picture it!
1	Look at and study the definitions of the key vocabulary on your knowledge organiser.	Create a mind map, making connections and links with things that you remember without looking back.	Make your own information cards by writing questions about key vocabulary on one side of the card.	Using a simple line, sort information from your topic into chronological, sequential or hierarchical order.	Ask a friend or family member to have the knowledge organiser or memory cards in their hands.	Read over your knowledge organiser and the key vocabulary, remembering the definition.
2	Cover or hide the information on the knowledge organiser and write down everything that you remember.	Challenge yourself by covering or hiding the knowledge organiser, using what you can recall.	On the other side of the card, write the answer to your questions. You could add pictures to your cards.	Check these with a friend or family member, using data on your knowledge organiser, add more detail.	Get them to test you by asking different questions about the information on your knowledge organiser.	Using the information you remember, draw pictures or diagrams to represent words.
3	Check your notes! Correct your mistakes and add anything that you might have missed out.	Check what you have added to your mind map by using your knowledge organiser to correct any mistakes.	Ask a friend or family member to ask you the questions you created or to ask you new questions.	Challenge yourself by adding information you recall from previous topics which are related.	Write your own sentences using the key vocabulary to replace those on the knowledge organiser.	Showing your diagrams to friends or family, ask them to guess which word you have represented.

This is your Year 5 Art & Design Knowledge Organiser for Autumn I – Topography & Maps

Art Th	emes	Tier 2	Key Vocabulary				
line	shape	connections	visual language	symbolism	mapping	identity	
A long mark or stroke that could be straight, curved, thick, thin or any direction	A form or outline of something.	A relationship in which a person or thing is linked or associated with something else.	Communicate through visual elements.	The use of symbols to represent ideas, emotions or qualities etc.	Chart and connect places or even abstract ideas.	Who a person is and the qualities that make them unique.	
We can make different lines using pencil, paint, charcoal and pastels.	We will use a range of shapes to create bold designs.	We can create connections between ideas when we make art.	We will create our own visual language when creating our personal maps.	We can use symbolism in art to express our own emotions.	We will be mapping our own personal ideas and identities.	We will be expressing different parts of our identities with our symbolic maps.	
We will use a variety of lines to draw our own symbolic maps.	A balance of shapes is important within composition.	We will make connections between the real world and how we represent it in our work.	We can read the visual language of art just as we can read words.	We can use simple symbolism to represent big ideas.	Grayson Perry uses mapping in most of his art works.	To create balance in a composition we make choices such as how far it is symmetrical or	
LINE				P Total		asymmetrical. Coa di C	
How this	connects with previous l	earning		How this	connects with future le	arning	
In Year 2, you used pattern in printmaking.	In Year 3, you made collages by 'drawing with scissors'.	In Year 4, you made forms using a range of media.		In Year 5, you will explore architecture and create your own designs.	In Year 6, you will explore art and activism.	In Year 6, you will create your own designs based on installation art.	

This is your Year 5 Computing Knowledge Organiser for Autumn I - Systems and Searching Tier 2 Vocabulary **Key Vocabulary** World Wide Web connection search engine refine webpages system A program that **searches** for To make minor changes so as A service provided via the A HTML document viewed A set of things working together The act of joining or being joined to something else. and identifies items in a internet that allows access using a web browser. as parts of a mechanism or an to improve or clarify. database that correspond to to web pages and other interconnecting network. keywords or characters shared files. specified by the user. See how devices are Systems are built using a number The search engine will link Searches, media, content. The World Wide Web has Visit a webpage to see connected to servers and results more closely to the even data needs to be refined made it easier for people to what products, services and of parts. person researching. in order to have best possible access information. information are being systems. output and information. offered. You will be introduced to a You will learn how a If this train is delayed any You will need to refine your You will be using the World Will understand that digital longer, we will miss our range of search engines to searches in order to find the Wide Web to search and systems use input and outputs to webpage's content can see which presents needed influence where it is in communicate to each other. connection to London. information you need. find information. information. search ranks. You will learn to understand the physical and electronic connections. How this connects with future learning How this connects with previous learning In Year 6, you will learn how In KS3, you will gain a stronger In Year 2, you learnt how In Year 3, you began to In Year 4, you learnt that the In Year 6 you will also begin data is transferred over the information technology is used develop your understanding World Wide Web is part of to develop an understanding of computer in your home, how it benefits networks such as YouTube. of digital devices, inputs. the internet, and learnt who internet. You will focus on understanding of society in places like shops. processes, and outputs. owns content and what you addressing, before moving communication and Google and Netflix and how libraries and even hospitals. can access, add, and create. on to the structure of data collaboration whilst networks are used, the benefits of

packets.

completing projects online

with others.

them and how data is transmitted

across networks using protocols.

This is your Year 5 Geography Knowledge Organiser for Autumn I – Map It

lines of latitude.

climate zones.

Tier 2 Vocabulary		Key Vocabulary					
locate	contrast	Tropic of Cancer	Tropic of Capricorn	Arctic Circle	Antarctic Circle	grid references	
To find the exact place or position of something.	To show the differences between two or more things.	A significant line of latitude that is located above the equator.	A significant line of latitude that is located below the equator.	A polar region around the North Pole and the most northerly circle of latitude.	A polar region around the South Pole and the most southerly circle of latitude.	Grid references on ordnance survey maps help you to pinpoint the exact location anywhere on a map.	
The longitude of a place enables us to locate it on a map.	The climate in the topics is a huge contrast to the climate in both the Arctic and Antarctic Circles .	The Tropic of Cancer marks the northern edge of the tropics.	The Tropic of Capricorn marks the southern edge of the tropics.	The sub-soil in the Arctic Circle is permanently frozen so very few plants can grow here.	98% of land in the Antarctic Circle is covered in ice.	Grid references have a least four digits.	
Ordnance Survey grid references help us to locate places when orienteering.	The Arctic and Antarctic have contrasting minimum temperatures.	The Tropic of Cancer lies 23° north of the equator.	The Tropic of Capricorn lies 23° south of the equator.	In the Arctic Circle , the minimum temperature is -43°C.	In the Antarctic Circle , the minimum temperature is -62°C.	We can use grid references to help pinpoint a location whe orienteering.	
I located the Amazon rainforest on the map.	I like to ride my bike. In contrast my sister likes to play football.	Aropic of Carried Chance Que of Capricers		M - Company	The state of	41 44 44 44 44 44 44 44 44 44 44 44 44 4	
How this	s connects with previou	is learning		How this	connects with future le	earning	
In Year 3, you learned about the five major	In Year 3, you learned about the 4 main	In Year 3, you were introduced to orienteering.		In spring I, you will learn the link between climate	In summer I you will learn about trade of	In Year 6, you will apply your knowledge when	

zones, biomes and

vegetation belts.

natural resources across comparing 3 regions

the world.

across the world.

Relationships **Key Vocabulary**

attributes bystander cyberbullying

A bystander is someone Attributes are aualities or characteristics that make who 'stands by' and watches up someone's personality.

something happen - like bullying - without doing We each have a unique set anything to stop it. of personal attributes that

When being assertive, it is is made up of different If you see unkind behaviour, important to be confident, behaviours, traits, skills and you can tell the perpetrator doing it that you don't like clear, honest and stick to the aualities. These attributes help make us who we are, their behaviour and that it message you want to give. It is useful to use 'l' statements influence the things we isn't funny. You can say kind words to the victim and let to explain how you feel so enjoy and what we are them know it's not their fault. that the other person doesn't good (and not so good) at. feel they are being attacked. You can report it to a safe 'I don't want to play football Everyone is different and it and trusted adult. This could today because I hate that I is important to recognise be someone at school or

our positive atributes.

unkindness and bullying

This is your Year 5 Personal, Social, Health, Economic Education

Cvberbullving is when someone uses technology to harass, threaten.

> embarrass or target someone else. It includes sending threatening or abusive text messages; creating and sharing embarrassing images or

videos; sending upsetting messages on social networks, chat rooms or online games and excluding children from online games, activities or

friendship groups. X

it is important and that it is

two-way. You will learn that

stereotypes are assumptions

that can be challenged.

married if they do not want to be. In the United

be lifelong.

Kingdom, people must be aged 18 or older to get married.

marriage

Marriage is the legal

commitment of two

people to each other

which is intended to

People can and should

decide for themselves

should be forced to be

if they want to get

sometimes the friendship married or not. No-one can be stronger afterwards. Sometimes families

experience problems and

there are people who can

be overcome and

problems

Some people are unkind or

bully others because they

have their own problems

support to overcome them.

Problems in friendships can

and they need help and



playing football with you.'

always have to go in goal' is

better than 'You always make me go in goal, so I hate

family relationships and

if needed.

and that problems can be

friendships have ups and downs

resolved and how to access help

assertive

Being assertive means

saying what you want or

need, giving an opinion or

saying how you feel in a

respectful way.

How this connects with previous learning In Year 3, you understood that

In Year 4, you understood that your behaviour can have an impact on others. You begun to explore the responsibility of bystanders to help stop

home.

disputes and conflict

through compromise.

How this connects with future learning In Year 6, you will understand

what we mean by respect, why

Knowledge Organiser for Autumn 1 - Families and

In Year 6, you will learn that how you treat others

is how you can expect to

help.

In KS3, you will recognise the positive features of safe family relationships. You will look at be treated and to resolve all family types and explore

> overcome disagreements, difficulties and strain.

how safe family relationships

This is your Year 5 Physical Education Knowledge Organiser for Autumn 1 – Football

Kev	/Vo	cab	ula	rv

		Key Voc	cabulary		
goal-side	Fair play	possession	position	foul	step-over
Goal-side refers to the positioning of a player in relation to the opposing team's goal.	Fair play refers to set of ethical principles, sportsmanship, and respect for the rules and spirit of the game.	Possession refers to the amount of time a team has control of the ball during a game.	Position refers to the specific role or area of the field that a player occupies during a game	Football refers to an infraction or violation of the rules committed by a player called a foul	A step over is a skillful dribbling move performed by a player to deceive an opponent.
When an opposing player attempts a shot on goal, being the gaol-side allows a defender to position themselves between the shooter and	, , , , , , , , , , , , , , , , , , , ,	the ball and the team has	There are several different positions in football, each with its own distinct set of duties and requirements.	The referee blew the whistle and awarded a penalty shot to the opposing team after the player committed a foul .	The player reaches the opponent, they plant one foot next to the ball and swing the other foot around in a circular motion performing step over.
goal.				•	
How this connects w	ith previous learning		How	this connects with future learr	ning

In year 3 we learned how In year 3 we played to defend against an opponent.

football competitions with rules and regulations.



In year 4 we were working in attacking positions to try matches against other and score goals.

In year 6 we will play team with rules.

In year 7 we will learn how to apply tactics and rules of a ll a side football format.

This is your Year 5 Physical Education Knowledge Organiser for Autumn I -Handball

		Key Voc	abulary		
dribble	block	screen	free throw	double fault	offensive foul
The action of a player bouncing the ball and catching it while moving forwards to attack the goal.	The action in which a defender uses their body usually arms to block a shot at goal.	This is when an offensive player stands beside or behind a defender in order to free a teammate to either shoot a pass or drive in to score	For minor fouls a free throw is awarded at the exact spot the foul took place.	This comes about when a player dribbles, stops, touches the ball with two hands and then dribbles again.	The act of one of the attacking players fouling the opposition while attacking.
If a player takes more than three steps without dribbling (bouncing the ball) or holds the ball for more than 3 seconds without bouncing it, shooting or passing, then that is deemed 'travelling' and possession is lost.	Blocking with the arms is used to stop an attacker's shot at goal or to support the goalkeeper by covering a part of the goal	A screen is a great offensive move used to create space for the player in possession of the ball.	During a free throw , a player may either pass the ball to a teammate or have a shot at goal.	Players should focus on dribbling and passing or shooting to avoid the double fault.	A foul is awarded to the defending team when an offensive foul occurs.
How this connects wit	th previous learning		How this connects with future learning		
In year 3 you learned basic passing and catching skills.		<u>-</u>	In year 6 you will learn to work as a team to improve group tactics and gameplay.	In year 6 you continue to develop your defensive skills.	In year 7 you will learn about the 6 phases of handball.

This is your Year 5 Science Knowledge Organiser for Autumn 1 - Properties & Changes of Materials

Scientific Enquiry

identifying & classifying

Identifying means knowing what something is and naming it. Classifying means grouping things together if they have something in common. We will explore adding a range of solids like sugar and salt to water and group solids based on observations.

mcomparative & fair testing

Comparative testing means testing objects to rank them. Fair tests are enquiries that observe or measure the impact of changing one variable when all others are kept the same. We will investigate the properties of different materials in order to recommend them for particular functions. We will test and compare dissolving rates and irreversible changes such as rusting.

Working Scientifically

Asking scientific questions **Planning** an enquiry **Observing** closely **Taking measurements** Gathering and recording results

Presenting results **Interpreting** results Concluding (drawing conclusions) Predictina **Evaluating** an enquiry

conductor

A conductor is a material which electricity, heat or sound can flow through





insulator

An insulator is a material that is a poor carrier of heat, electricity or sound.



Materials have different uses depending on their properties and state (liquid, solid, gas). Properties include hardness, transparency, electrical and thermal conductivity and magnetism.

reversible

When materials can be changed back to their original state or form it is heated, burnt or mixed, a called a reversible change, new material is formed. When ice (solid) melts to form water (liquid). It can be frozen back to ice again, was before. This is an This is a **reversible** change. **irreversible** change.



bent, it changes shape. This is a **reversible** change as it can be bent back to its original shape.



irreversible

Subject Specific Vocabulary

Sometimes when materials are cooked. The new material cannot be changed back to how it insoluble and form Paper being burnt is an irreversible change. It is not possible to get the



paper back.

Heating an eag to make a fried egg creates a new material. This change is irreversible.



dissolving

When a solid is dissolved. it is mixed into a liquid creating a solution. Some materials passing a liquid through a do not dissolve. They are mesh to separate solids. sediment.



sediment in water

evaporation

To recover a substance from a solution we can use different methods such as evaporation where a material is turned from its liquid state into a gas.

filtering

One was to separate materials in a mixture is by filtering. This involves

sievina

Sievina separates solids from liquids or larger solids from smaller solids by passing them through a







Things you learnt in previous topics

In Year 2, you identified and compared the suitability of a variety of everyday materials for particular uses and found out how the shapes of solid objects made from materials like plastic and rubber could be changed. In Year 3, you identified magnetic materials. In Year 4, you compared and grouped materials according to whether they were solids, liquids or gases and observed changes of state. You learnt about evaporation and condensation and the water cycle.

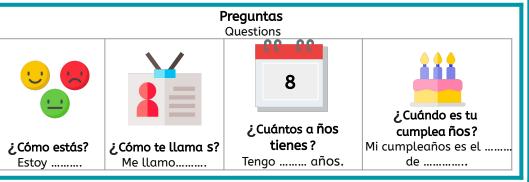


How this connects with future learning

In KS3, you will learn about chemical reactions as the rearrangement of atoms. You will be able to represent chemical reactions using formulae and equations. You will learn about combustion, thermal decomposition, oxidation and displacement reactions. You will be able to define acids and alkalis in terms of neutralisation reactions. You will be able to use the pH scale for measuring acidity/alkalinity; and indicators.



Year 5 Spanish Knowledge Organiser Todo sobre mí





Los números

The numbers

30

1	uno		
2	dos		
3	tre s		
4	c u at ro		
5	c <mark>in</mark> co		
6	seis		
7	siete		
8	ocho		
9	nueve		
10	diez		

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16	dieciseis
17	die cisiete
18	dieciocho
19	die cinueve
20	veint e

on<u>ce</u>

<u>doce</u>

trece

11

12

13

ımbers				
21	veint iuno			
22	veint idos			
23	veint itres			
24	veint icuatro			
25	veint icinco			
26	veint iseis			
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28	veint iocho			
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treinta

30	treinta y <mark>uno</mark>		
30	treinta y <mark>dos</mark>		
•••	•••		
40	cuarenta		
50	cincuenta		
60	sesenta		
70	setenta		
80	ochenta		
90	noveinta		
100	cien		

Enfermedades

Illnesses





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At New Wave Federation, we demonstrate...

