

Knowledge Organiser – Art 'Meet the Flintstones' Year 4



Article 28 I have the right to an education

Key Knowledge and Skills Key vocabulary **Cultural Heritage** To use art vocabulary and sentence stems LINE line Curved to discuss colour, line and shape in cave African Stone Age Scribble Confident paintings. *Know what shapes we make when we move. * Know how to move wooden Jagged manikins into moving Loose Flowing positions. SHAPE shape * Know how to use charcoal to Organic Painted draw. * Know how to draw figures that are moving. Spherical Cylindrical Creating a rough textured background. Multi-faceted Rip strips and pieces of sugar paper and arrange on a Dense piece of paper. Stick down. Wooden manikin Use another piece of paper and use charcoal or wax crayon to rub over the top to create a textured background. * Smudge chalk/charcoal to show speed in moving figures. What something feels texture Stone Age to Iron Age Day Asian stone age bowls like. * Create a coil pot. **Celtic patterns** *Draw Celtic patterns * Create Stone Age or Iron Age jewellery * Create tie and A way of creating Tie coloured patterns by dve and twisting and dying dye fabric.



Knowledge Organiser—Year 4 Computing: We are who we are



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Key Knowledge Unit 4.2: We are makers During this sequence of learning, pupils will write and test their own micro:bit project, after analysing and modifying others. We will explore the MakeCode environment using the BBC micro:bit simulator. Let's code WWW.Micro:bit.org/code 25-LED kulvo @microthit # III-- < □

	Key Vocabulary
Accelerometer	Hardware component providing data on changes in motion,
	typically in three directions
Algorithm	A sequence of precise instructions or steps (sometimes a set
	of rules) to achieve an objective
Bluetooth	Wireless digital communication protocol using low energy
	signals over short distances
If/else if/else	Programming selection construct which indicates what code
	should be run depending on which one of multiple
	conditions are satisfied
JavaScript	Text-based programming language, commonly used to
curaca spr	power interactive web pages
LED	Light emitting diode, an electronic component that lights
	up when current flows in one direction
MakeCode	Block- and text-based editor from Microsoft, supporting a
MakeCode	11 9
N.A. Lon	variety of hardware platforms including the micro bit
Micro:bit	Simple, single board programmable computer with
01	integrated input, output and network capabilities
Object code	A version of the program converted (compiled) into the
	detailed instructions to be followed by the computer's
	processor
Runtime	The complete software environment (operating system,
	drivers, interpreter) needed for a program to run on
	particular hardware
Simulator	Software allowing one computer system to behave as
	another; in this case the MakeCode editor include an on-
	screen simulator of a micro:bit so that programs can be
	tested
Source code	The program as written, in a language that can be
	understood by both the programmer and the computer
Variable	Lets computer programs store, retrieve or change simple
	data — typically thought of as a particular bit of the
	computer's memory that holds a specific bit of data
	Somparior of morning water motion of operation but of detection

Cultural Heritage

Ada Lovelace A British Born Computing Pioneer.



Ada Lovelace's story

Ada Lovelace is credited with writing the first algorithm that was meant to be processed by a machine. She was the first one to realize that a computer would be able to do more than just performing mathematical calculations.

Can you find any interesting facts about Ada Lovelace?



Knowledge Organiser – Cooking 'Meet the Flintstones' Year 4



Article 28 I have the right to an education

Being Great Produces Stars Artic	le 28 I have the right to	an education	Being Great Produces Stars
Key Knowledge and Skills	Key voo	abulary	Cultural Heritage
What is a Bannock? Bannocks are well-known across Scotland, but it's hard to find a	bannock	A quick flat bread traditionally from Scotland.	Village cooking in Pakistan
traditional bannocks recipe because everyone has their own version! The name Bannock seems to originate from the Latin "panicium" for "bread" or meaning "anything	Lemon squeezer		
baked". Made simply from oatmeal and flour, the first citing of a bannock or recipe in Scotland was in the 8th Century. It's amazing this tasty bread is still baked today!	ingredients	Foods that are combined to make a dish.	
How to squeeze a lemon: Slice the lemon in half; place it on the top of the squeezer; twist it so the juice comes out. How to sieve ingredients Pour the flour into the	sieve		Traditional Romanian cooking
sieve and lightly tap the with the palm of your hand until all the flour has come through.	oatmeal	Ground oats A mixture of flour and	
How to knead dough Lightly dust the work surface with plain flour. Lay your dough on the surface.	dough	liquid that can be folded and squeezed.	Rural African cooking
Stretch it away from you with the heel or knuckles of one hand and fold it back over the top towards you. Repeat the stretch and fold process	Heel of your hand		
again and again for 10 minutes. How an adult cooks on the hob in a frying pan	hob	The top of a stove	
Use a fish slice and oven gloves to remove the hot food safely from the frying pan.	Fish slice		



Knowledge Organiser – Geography: Cultural Exchange Y4



and come to school on a

school bus.

	Key Knowledge			Key vocabulary	Cult	ural Heritage
at is the difference ween Great Britain, United Kingdom I the British Isles?	Great Britain (GB) is the name consists of England, Scotlan The United Kingdom (UK) is countries of Great Britain, plu The British Isles includes Enwales, Northern Ireland and	d and Wales. made up of the us Northern Ireland. gland, Scotland,	capital cit	y A city that functions as the seat of government and administrative centre of a country. A larger town that has been	Counties of England	West Midlands is a metropolitan county. It was created in 1974 to cover 7 metropolitan boroughs: Birmingham, Coventry, Dudley,
	Ireland.	V.		given a charter to make it a city. Normally a city has a cathedral.		Wolverhampton, Sandwell, Solihull and Walsall
at is an island?	An island is an area of land s completely by water. It may t the sea. Islands can be differ sizes. Some islands are large	pe in a river, a lake or rent shapes and e like Britain, others	aerial photograp	A photograph taken from		
at is a county?	A county is a region of a cou which has its own local gove counties in England.	ntry, like Britain	Physical geograph	Physical geography is the study of the natural world and how it can change eg the course of a river, weather.		*
and all brighters (A particul many constraints of the constraints of t	This bottom lepin invitation of the 5 interesting and the following frequency of the second of the following frequency of the second of the following frequency of the second of the following of	Sca Wested Kingdoes	maps Human geograph	Human geography is the study of how humans have had an impact on the natural world eg building of houses and roads, deforestation.	BGP have 690 children	Gilmorton Gilmorton have 210 childr
Skye Skye Mull	Orkney	Map Scale refers to the relating ratio) between distance on a the corresponding distance in	and		The houses in Bordesley Green are mainly terraced houses with numbers. There are many shops in Bordesley Green. There is a lot of traffic in Bordesley Green. Buses	The houses in Gilmorton

Key Knowledge

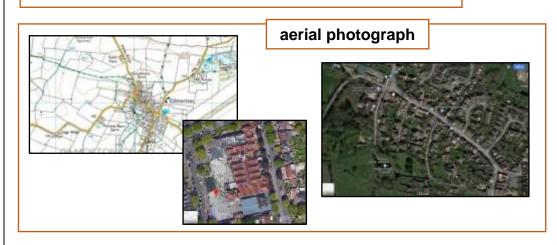


Europe is a continent located entirely in the Northern Hemisphere. It is the 6th largest continent in size, but the 3rd largest in population. Europe is made up of 50 countries.



The European Union (EU) is a group of 27 countries whose governments work together to purse common goals. The EU helps its members with issues such as trade, security and the rights of the citizens.

The UK was part of the EU but in 2016 52% of the UK population voted to leave the EU.





Knowledge Organiser – History: Meet the Flintstones Y4



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Key Knowledge 5000 BC AD 500 Iron Age Stone Age Bronze Age Ancient Egypt Roman Britain Ancient Sumer 0 Stone Age **Timeline** 3000 BC The village of Skara Brae is built The Stone Age is named after the stone tools that the earliest humans used to in Orkney. The people who live there are beginning to farm their help them survive. They used them to kill own food and build homes animals, such as mammoths, for their instead of travelling from place to meat and skins. The bones were also place used for making tools, such as needles to sew skins together. Construction starts of Stonehenge it Wiltshire. It will take around People in the Stone Age were **nomadic**. 1000 years for it to be finished They moved from place to place with the seasons, in order to keep safe and warm 2500 BC "Bell Beaker" culture arrives in and to follow the animals they hunted. Britain. These people are named for their distinctive decorative The Stone Age was divided into three pottery eras: Palaeolithic. Mesolithic and 2100 BC Bronze begins to be used in Neolithic. Britain to make weapons and Skara Brae 1800 BC The first large copper mines are Skara Brae was discovered in 1850 after a storm 1200 BC "Celtic" culture begins to arrive in removed the earth that had been covering Britain and tribal kingdoms it. It is a village of eight houses, linked by develop covered passageways. Not all of the houses were built at the same time. The 800 BC Iron begins to be used in Britain later ones are slightly larger but they have to make tools and weapons. similar features, such as a central firepit instead of bronze and a stone dresser. The village tells us a lat about life in the The first hillforts are constructed late Stone Age, including what 43 AD The Romans invade Britain people ate and what sort of tools

they used.

ADΨ	AD comes from the Latin Anno Domini meaning: "In the year of Our Lord". AD is used to refer to the years after the birth of Jesus.
BC	BC comes from the term Before Christ. BC is used to refer to all the years before the start of the time AD.
bronze	A metal alloy made from a mixture of copper and tin. It is a much harder and more long lasting material than stone or copper alone.
hunter gatherer	A person or group of people who obtain their food by hunting, fishing or foraging rather than by agriculture (farming)
iron	A metal that is stronger and harder than bronze
nomadic	A person or group of people who move from one place to another rather than living in one place all, of the time
prehistory	The period of human history before there were written records of events. There was an oral tradition were information passed down through the generations by word of mouth.
tribe	A group of people, often related through family, culture and language usually with one leader

Key vocabulary

Cultural Heritage

Cave Paintings Cave paintings are pain



Cave paintings are paintings or drawings made in caves, rock walls or ceilings by primitive human beings. They often show hunting scenes, animals and hand prints. It is widely believed that the paintings are the work of respected elders or shamans

Early man used bones, sticks, brushes made with animal hair, hands, fingers and sharpened rocks to help them paint into the walls. Cave artists ground up coloured rock into powder, as well as charcoal. This powder was mixed to a paste using spit, water or animal fat. This helped the paint stick to the walls.





The oldest Prehistoric Cave art in Britain can be found at Creswell Crags, Derbyshire. It consists of a 12,000 year old engravings of birds and an ibex.

People who have settled in England each leave behind their mark by the buildings they build eg temples, mosques, synagogues or in other ways eg types of shops, types of food and clothes.





Lascaux, France is famous for it's cave paintings.

Different Calendars



Instead of using AD and BC some people are using CE (Common Era) and BCE (Before Common Era). Although the world universally uses the Gregorian calendar different religions also use their own calendars such as Islam, Judaism and Chinese.

Key Knowledge

Prehistoric Houses

Prehistoric architecture was invented by primeval man to get shelter and protection from extreme weather conditions. It also provided protection from wild beasts and enemies.

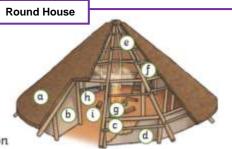
In the Palaeolithic era people were **hunter gatherers** so had only temporary homes like caves and tents. By the Neolithic era people were beginning to settle down in one place and farm, so having a permanent home.



By the Iron Age people lived in tribes. The **tribes** often lived in hillforts which were surrounded by walls and ditches. They were defended by warriors who kept their tribe safe from enemy attack.

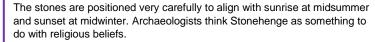
a. thick thatch

- b. door
- c. wattle
- d. daud
- e. timber frame
- f. upright loom
- g. hearth (fire) h. beds
- h. beds i. logs for sitting on



Stonehenge

Stonehenge is a famous prehistoric monument in Southern England, built at the end of the Stone Age and into the Bronze Age. Originally, it was just an earthwork and up to 150 people were buried there. The huge stones that we see were added in different stages. Some were brought from 240 miles away in Wales. The stones would have been moved and raised using a combination of rollers, ropes and wooden levers.







P.E Knowledge Organiser - Dance - Year 4 Article 31 I have the right to work, rest relax

Socuence denoing is a

Coaucooco



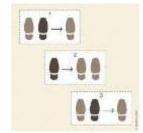
and play

Charleston step – movement of four steps: point in front, step back (with the same foot), point back (with the other foot), then step in front.

Chassé – movement of two steps to each side: step to the side, together, step to the side, together. Then repeat to the other side.

Strut – movement of two steps: 'heel strut' – heel of foot forward, drop toe to floor. 'Toe strut' – toe to the floor, drop heel to floor.







Choreography is making up and putting together steps for a dance. In P.E you will put certain 'steps' (like the ones above) together to make a dance routine. There are lots of different styles of dance like: modern, ballet or line dancing. For this topic, you'll be looking at line dancing.



Line Dancing originated and is very popular in the USA (United States of America).

Sequence	form of dance where you follow a pattern. Like line dancing.
Balance	To stay upright, this is very important when jumping or spinning in dance.
Flexibility	Being able to bend, the more you can bend, the more flexible you are.
Co-ordination	The ability to use different parts of the body together smoothly.
Expression	Showing how you feel in the form of a dance.
Motif	An idea that is shown through a form of dance
Timing	How many counts you do a step or movement. If a pair is in unison, they will do the same dance moves at the same time.

Alina Cojocaru is a professional dancer. She was born and raised in Bucharest, Romania. She has danced in both the Kiev Ballet and the Royal Ballet. In 2012, she became the first ballerina to win the Prix Benois de la Danse award.



Legendary American ballet dancer Desmond Richardson is known for being the first African-American principal dancer in the American Ballet Theatre. Richardson's impressive skill and artistic prowess have earned him



personal Tony nominations, as well as roles in Tony awardwinning Broadway productions.





Knowledge Organiser – Year 4 R VIPs

Article 12 I have the right to express myself

VIPs - Why might we need more than one friend? Different people will be important in our lives at different times, depending on our experiences and feelings.

For example, a friend who is funny will be important when we need cheering up and a friend we play netball with will be important when we are working hard to train for the netball team.

How can we make new friends?

Think about the things you enjoy and seek out someone else who enjoys those things.

Say 'hello' to new friends, showing you are open to their friendship.

Say something nice to your new friend about them.

Do something kind for your new friend.

Smile and have fun.

Be willing to share - your things and your friend; let them have other friends, too.

Be happy and proud of who you are - confidence will make others want to be friends with you, too.

Staying Friends: Why is it good to have old friends as well as new friends?







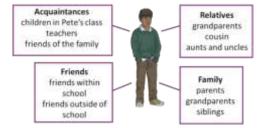


VIPs- Relationship Map:

Key Knowledge

Different situations may mean we need different members of our support network.

If we are having difficulties with our friends then we would need to reach out to our families, relatives or acquaintances.



Falling Out:

Positive Resolution Techniques

- 1. With a game to decide something, you may play Rock, Paper, Scissors
- 2. I-Messages try to explain your thoughts and feelings using a sentence that starts with 'I' Sometimes, the dispute may be more serious and help from an adult may be needed.

Bullying: There are 4 main types of bullying (see vocabulary)

Why might someone start to bully?

If they have been bullied themselves, to get attention, if they are having problems at home or to feel powerful. All forms of bullying, including cyberbullying, are wrong and have serious consequences and effects for all people involved. It is important to speak to your support network (think about your relationship map) if you or your friend are being bullied.

Key Vocabulary

Word:	Meaning:	
acquaintance	a person someone	
	knows slightly	
bullying	when a person, or	
	group repeatedly and	
	intentionally uses or	
	abuse their power to	
	intimidate	
	or hurt someone else	
loyal	being faithful or	
	devoted to someone	
	or something	
support	a group of people who	
network	provide someone with	
	emotional and	
	practical help	

Verbal Bullying - This is where a bully says things to you that are unkind. This could include name calling or saying nasty things to you.

Physical Bullying - This is where someone physically hurts you. This could include hitting, scratching, pushing or tripping you up. It is a criminal offence to hurt someone

else physically Indirect Bullying – This includes ignoring someone, spreading rumours about someone or giving someone a nasty look more than once.

> Cyber Bullying - This is where someone uses technology to be repeatedly unkind to someone. This could happen through the Internet, interactive computer games, text messages or phone calls.

Friendship in Romania:



Cultural Heritage

The Martisor is an amulet, a talisman of friendship or love given on the Martisor holiday (March 1st)

UN International Day of Friendship: Celebrated across the globe on July 30th, the day aims to promote friendships and bridge the gaps between factors such as race, language and culture

To celebrate, you can:

- Get to know another child in your class, school or street who you don't know very well;
- Learn about your friends' cultural backgrounds;
 - Make your friend a gift, such as a knotted or beaded friendship band.







Key Vocabulary

of the Old

Testament.

an organised

achieve a goal

the power of a

thing or person

that causes some

kind of effect on

important figure in the Bible's Book of

Genesis. Yusuf is a

prophet in Islam.

the religion of the

important prophet

Jewish people

is the most

in Judaism

is the ability to

and to make

control yourself

vourself behave in

a particular way

else to tell you

what to do.

another

Joseph is an

course of action to

campaign

influence

Joseph/

Judaism

Moses

self-

discipline

Yusuf

Being Great Produces Stars

Knowledge Organiser – R.E Year 4 - 3.1

Article 14 I have the right to have my own thoughts and beliefs and to choose my religion, with help from my parents

Unit 9 - Living by Rules

 $\underline{\textbf{Religious Traditions:}} \ \, \textbf{Judaism, Christianity and Islam}$

1. What rules do Judaism say are important?

- Jewish people believe that God called Moses to the top of Mount Sinai and him that he had chosen the Israelites as his special people. He would care for them and take them to a new land but they must keep the ten rules that were given to Moses, written on two stone tablets.
- The IO Commandments

 L. Put God Finst.

 2. Worship and Only.

 3. Clae God's Name With Respect.

 4. Remember God's Sabbath.

 5. Respect Your Darrote.

 6. Do Not Hurt Other People.

 7. De Faithful in Marriage.

 8. Do Not Lin.

 10. Do Not Lin.

 10. Do Not Lin.

 10. Do Not Wart What Others

 How.

Key Knowledge

- **2.What rules does Christianity say are important?** Jesus was born a Jew. One of the criticisms made against him was in some ways he appeared not to keep the Jewish law!
- In Mark (7:1-13) we learn that Jesus didn't make his followers keep the food laws. He said that the Pharisees

had got it wrong!

Jesus said someone really loves God and really loves other people the way they love themselves then all the other laws come after these.



3.What rules has God made? Muslims perform Salah (five daily prayers). It is the 2nd pillar of Islam. The five pillars of Islam help each Muslim to form a personal

relationship with Allah (God) and understand the central principles of Islam; equality, justice and human dignity. Other aspects of prayer time for Muslims are opportunities to show living by rules. These include:

<u> </u>		
Timing	Adhan (call to	Wudu (ceremonial
	prayer)	washing)
Verses from the Qur'an	Rakah (positions)	Salaam (sharing
are read (prayers)		peace)

<u>Unit 10 - Being Temperate, Exercising Self-</u> <u>Discipline and Cultivating Serene Contentment</u>

Religious Traditions: Christianity, Hinduism and Islam

1 What influences your behaviour?

1. What influences your behaviour?

Sometimes our behaviour is influenced by the audience we have e.g. a teacher, a friend, the Queen, a policeman, or a famous person.

2. How did God influence the life of John Newton/Gandhi or other person?

Faith is a major influence on behaviour.

- John Newton had a major life change from being a slaver to being an anti-slavery campaigner when he became a Christian.
- Gandhi, a Hindu, campaigned for the rights of the untouchables in Indian society. He spoke of "ahimsa", which is



inspired by the idea that to hurt another being is to hurt oneself.

Yusuf Islam (formerly Cat Stevens founded the charity Small Kindness when he became Muslim. The charity supports the elderly, orphaned, disabled, students and families.

3.How did Allah influence the life of Prophet Yusuf (Joseph)? Muslims believe
Allah (swt) transformed Prophet Yusuf's (Joseph in the Bible) situation. His test was that he was separated from his father but was to become a prophet in Egypt. This is how Islam was to be introduced into Egypt by Allah (swt).

Word: Meaning: Book of the second book of the Torah and the secon



Imran Khan, Prime Minister of Pakistan

Cultural Heritage



Sheikh Hasina Wazed, serving as the 11th Prime



Florin Cîțu, Prime Minister of Romania