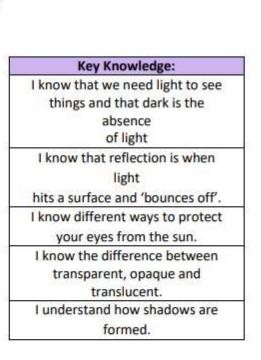


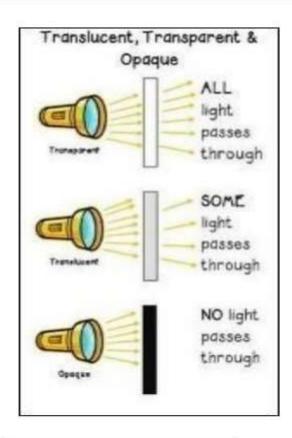
# **Knowledge Organisers** 1<sup>st</sup> Summer Term **Science History** Geography Art **PSHE** Latin Computing R.E. **P.E.** Swimming Music

Year 3

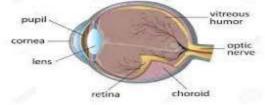
# Knowledge Organiser - Light and Optics - Year 3

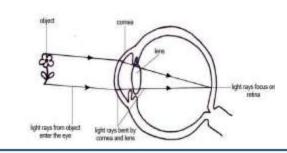
	Key Vocabulary:
Light source	An object that produces its own light (e.g. sun, fire). These can be artificial (e.g torch), natural (e.g. the sun) or chemical (e.g. fireflies)
Reflection	When a light hits a surface and 'bounces' off
Refraction         When light passes through a different object and its dir changes           Opaque         An object which does not allow light to pass through it wood).	
Transparent	An object which allows light to pass through it so that objects behind it can be easily seen (e.g. glass).
Spectrum A range of colours caused when white light is refracted rainbow shows a spectrum of colours	
Rainbow	An arch of colour caused by the refraction of light on water droplets in the air, usually rain (Red, Orange, Yellow, Green, Blue, Indigo, Violet).
Prism	A solid 3D shape where two end faces are similar and parallel
Shadow	A dark area or shape caused by the blockage of light.





Parts of the Human Eye

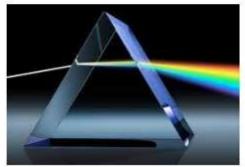






As the light source moves higher in relation to the object, the shadow gets shorter. As the light source moves lower, the shadow gets





When white light passes through a glass prism, it is refracted. The light changes direction and is then dispersed (spread out) as it exits the prism. Depending on the shape of the prism and the angle of the light, we can often see the spectrum of colours.







# Knowledge Organiser - War of the Roses - History Year Three

Luncaster Rose

in the tower

York Rose

Judor Rose

Henry VII

reign

1485-1509 He married Elizabeth of York to end the Wars of the Roses and united the families.

Key Vocabulary:		
Civil War	War between different sides in the same country	
House of York	Branch of the English royal House of Plantagenet. Three of its members became Kings of England	
House of Lancaster	The other branch of the English royal House of Plantagenet.	
Wars of the Roses	Civil wars for control of the throne of England. It was fought between two rival branches of the royal House of Plantagenet	
Plantagenet	The name of the family which all the kings of England from 1154 to 1485 belonged to.	

Plantagenet Monarchs:		
Henry VI	39 year reign 1422-1461	
Edward IV	22 year reign 1461-1483	
Edward V	Bit more than two month reign 6 <sup>th</sup> April – 26 <sup>th</sup> June 1483	
Richard III	2 year reign 1483-1485	
Henry VII	24 year reign 1485-1509	

					2000 20
	-	AMA	ANA	ANA	Battle of Bosworth
Wars of the Poses	Henry VI	Edward IV	Edward V	Richard III	End of the Wars
		A THE REPORT OF A PRIMA PARTY.	reign	reign	of the
begar					Roses
1455	1422-1461	1461-1483	April - June	1483-1485	1485
		Father and Se	×	-	
			Brothers	Richard III	
	the Roses Begin	the Roses Henry VI Begin reign	the Roses Henry VI Edward IV Begin reign reign 1455 1422-1461 1461-1483	the Roses Henry VI Edward IV Edward V Begin reign reign reign 1455 1422-1461 1461-1483 April - June 1483 Father and Son	the Roses Henry VI Edward IV Edward V Richard III Begin reign reign reign reign 1455 1422-1461 1461-1483 April - June 1483-1485 1483 Father and Son Edward V one g

#### Knowledge Organiser- Japan (Geography Year 3)

Key Vocabulary	Definition
Earthquake	A sudden violent shaking of the ground caused by movements within the earth's crust or volcanic action.
Monsoon	Wind that carries heavy rains to southern Asia.
Typhoon	A tropical storm.
Island	A piece of land surrounded by water.
Tokyo	The capital and largest city of Japan.
Trade	Buying and selling things, for example food, machines, books
Feudal system	A system in which people were given land and protection by people of higher rank, and worked and fought for them in return.
Shogun	The supreme military commander.
Daimyos	Major landholders who each had control over a part of country. The Shogun had power over the daimyo.
Culture	A pattern of behavior shared by a society, or group of people. These things include food, language, clothing etc.

#### Key Knowledge

I know Japan is an island (a body of land entirely surrounded by water).

I know that Japan has four seasons but suffers from a range of natural disasters.

I know some of the differences between rural and urban Japan.

I know many global companies are based in Japan.

I know that Japan is rich in tradition and culture.



#### Flag of Japan



Mount Fuji





# Knowledge Organiser - Architecture - Visual Arts - Year Three

	Key Vocabulary:	
architecture	The art of designing buildings	
architect	A person who designs buildings	
design	Planning and drawing how a building is going to look	
column A tall, straight part of a building that is sometimes decorated holds up another part of the building		
temple	A place of worship, a building where people go to worship	
frieze	A broad horizontal band of sculpted or painted decoration, especially on a wall near the ceiling	
replica	A real-life copy	
vertical	At right angles to a horizontal plane; in a direction, or having an alignment, such that the top is directly above the bottom	
horizontal	Parallel to the plane of the horizon; at right angles to the vertical	
sculpture	Art that is made through changing wood, metal or other materials	
sculptor	A person who makes a sculpture	
line of symmetry	An imaginary line that shows where equal forms and reflected	

Key Knowledge:		
I understand architecture as the art of designing buildings.	f	
I know what symmetry is in buildings		
I know what domes and columns are on buildings.	N.S.	
I know buildings are designed for a purpose.		

Modern Architecture:

The Guggenheim Museum in Bilbao, Spain



The diaggeriers Ahneun is Riban Javan

The Scottish Parliament, 1997



The abblability chamber.



turns to speak

wind and positive words We listen to each other have the right to pass

use names when giving ents or when being positive le respect each other's privacy

(confidentiality)

00

# Knowledge Organiser – PSHE – Relationships - Year Three

Key Vocabulary		
Responsibilities	A duty to deal with or take care of somebody/something.	
Differences	The way in which two people or things are not like each other or differences of opinions.	
Conflict	A situation in which people, groups or countries disagree strongly or are involved in a serious argument.	
Solution	A way of solving a problem or dealing with a difficult situation.	
Unsafe	In danger of being harmed.	
Communications	Methods of sending information, especially phones, radio, computers, etc. or roads and railways.	
Inequality	The unfair difference between groups of people in society, when some have more wealth, status or opportunities than others.	
Deprivation	The fact of not having something that you need, like enough food, money or a home.	

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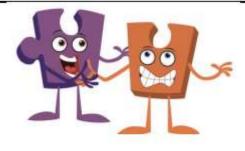


# **Key Knowledge**

I can identify the roles and responsibilities of each member of my family and can reflect on the expectations for males and females.

I know and can use some strategies for keeping myself safe.

I understand how my needs and rights are shared by children around the world and can identify how our lives may be different.



**Reflective questions** Ask me this...

Are there some jobs only suitable for women? Why?

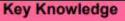
In what ways could you solve a problem?

Who will keep you safe and help you if you need it?

# Latin Knowledge Organiser - Unit 5: Romans and Britons

Key Vocabulary		
Latin	English	
ludunt	They play	
sedent	They sit	
equitāmus	They ride	
colimus	They farm	
pugnamus	They fight	
feröciter	fiercely	
dīligenter	carefully	
celeriter	quickly	
et	and	
tesserae	mosaics	
ita vērō	yes	
dīrēctae	straight	
commodae	comfortable	
nōbīscum	with us	
viae	roads	
villae	houses	

#### Grammar Words we use to talk about actions are called verbs, e.g. Candidus is fighting. Words we use to add more information to a verb are called 'adverbs'. For example, celeriter equito - I ride guickly. Adverbs in Latin often (but not always) end in -er. Britons are best! UnitMotto Rufus, Flavia and Candidus are kicking a ball. They sit down for a non dūcor dūcō = I am rest and begin to talk ... not led, I lead Rüfus et Flävia et Candidus ludunt. 👩 Rüfus et Flävia et Candidus sedent. Plavia asks Candidus what life denite was like before he became a slave. Before the Romans conquered Britain, the British people lived in groups called tribes. Candidus belonged to the tribe called the Brigantes, Candidus daydreams about how his people used to live. fertciter pugnanve. difficanter colonis.



To recap prior learning of masculine and feminine verb endings.

To translate simple sentences with verbs and adverbs.

To complete sentences by selecting the appropriate adverb.

To translate sentences with simple plural forms.

To compare and contrast traditional tales from different cultures.



# Knowledge Organiser- Sequencing Sounds – Computing – Year 3

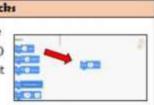
Key	Definition	Key Knowledge:	
Vocabulary		To explore a new programming environment	
Programming	Creating a set of instructions that tell a computer how to perform a task	To identify that commands have an outcome	
Code	Program instructions	To explain that a program has a start	
Code	riogrammstructions	To recognise that a sequence of commands can have an order	
Sprite	An image that can be created and programmed on scratch such as shapes,	To change the appearance of my project	
	characters and animals.	To create a project from a task description	
Blocks	Puzzle-piece shapes that are used to create code in Scratch		
Motion	Change of position of an object	What is Scratch?	
Sequence	A set of step-by-step instructions created so a computer can do a task.	Scratch is the world's largest coding community for children and a codi language with a simple visual interface that allows young people to credigital stories, games, and animations.	
Chord	A group of notes sounded together		
Backdrop	The background scenery	Scratch promotes computational thinking and problem solving skills;	
Algorithm	A set of instructions for a computer, split into little steps.	creative teaching and learning; self-expression and collaboration; and equity in computing.	
Bug	An error, fault or flaw in a computer program	equity in computing.	
Debug	To debug is to fix a sequence in a computer program.		

#### **Programming Using Blocks**

-Basic Programming: Make sure that the feature of the stage that you want to program (e.g. sprite, background) is selected by clicking on it. Drag the block command that you want onto the code area. Blocks can be deleted by right-clicking on the block and selecting 'delete block.'

-Block Editing: White areas on blocks can be edited. Click on them and type in the preferred value.

-Running the Code: You can run your animation by performing the action stated in the event block (e.g. clicking the event block). If this does not work, you may need to debug your animation (find errors and fix them).







Sequencing and Algorithms	Making Music
<ul> <li>-A sequence is a pattern or process in which one thing follows another.</li> </ul>	ch -Several sprites, each following connected sound sequences, can
In Scratch, blocks can stack vertically on t	op create music!
of one another to create sequences.	had had all and the
-Event blocks are used to start	-In order to do this, you will need to carefully
sequences. They are orange and	plan your algorithm.
have a curved shape at the top.	
-Designing an <b>algorithm</b> (set of instruction	-If your animation does not work correctly the
for performing a task) will help you to	first time, remember to
program the sequence that you require.	debug it.

### R.E. Year 3 Summer 1 Sikhism Knowledge Organiser Enquiry: How far would a Sikh go for his/her religion?

Key vocabulary	Definition	
Sewa	A 'selfless service' that Sikhs perform in a variety of ways.	
Guru Nanak	The founder of Sikhism (the person who started Sikhism).	
Guru	Teacher	
The Langar	The food served by volunteers at the Gurdwara.	
H <mark>armandir Sahib</mark>	Gurdwara which means house of God. It located in the city of Amritsar, Punjab, India	
Gurdwara	Sikh temple	

#### Key Knowledge

I know how beliefs and causes are more important to me than others.

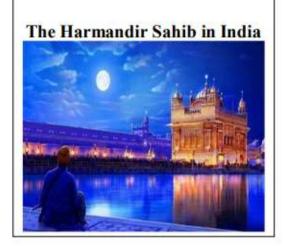
I know the 5 key beliefs of Sikhism are: God is in everything, Sikhs should serve others, everyone is equal, share what you have, give to charity.

I know that Sikhs are willing to sacrifice their time, effort, money, energy and even life for the well-being of others.

I know that Sikhs believe it is a good thing to treat people equally and share with people. Sikhs see the Langar as an opportunity to give, more than as a sacrifice.

I know that there are different levels of commitment and I can explain how committed I am to various interests.







The Langar – a community kitchen giving free meals to visitors



# Knowledge Organiser – PE – Swimming – Year 3

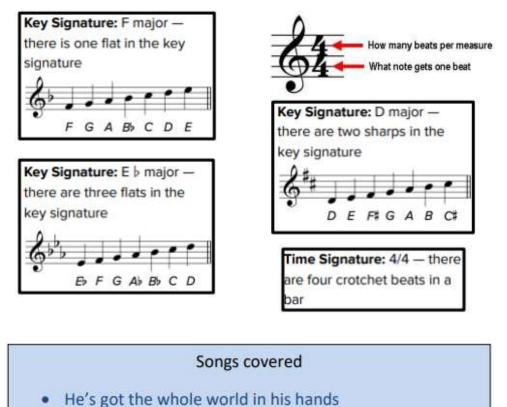


			Skills
Key Vocabulary	Definition	Push, glide	A
Body Roll	When a swimmer rotates their body from side to side.	and float	
Glide	When a swimmer coasts with a pause un their stroke.		- A
Backstroke	One of the 4 strokes used in competitive swimming. The swimmer moves through the water on their back, with their tummy and face facing upwards.		
	Skill development	Front crawl legs	1
Begin to use arm	s and legs to move effectively across the water.		
Roll from my front to my back and regain a standing position.		Submersion	2
Swim over a distance of 10m unaided.			
Know coveral no	ol rules and know how they keep me safe.		



#### KNOWLEDGE ORGANISER ENJOYING IMPROVISATION YEAR 3 UNIT 5

Key Vocabulary	Definition		
Syncopation	Rhythm off the beat		
Structure	Intro, bridge, verse, chorus, outro		
Minim	0		
Crotchet			
Quaver	♪		
Tempo	The speed at which music is played		
Dynamics	Levels of sound in music (soft to loud)		
Gospel	Christian music		
Jazz	A blend of African and European music		
Hip Hop	Also known as rap music originated from inner-city African Americans		



- Why does music make a difference?
  - Panda extravaganza

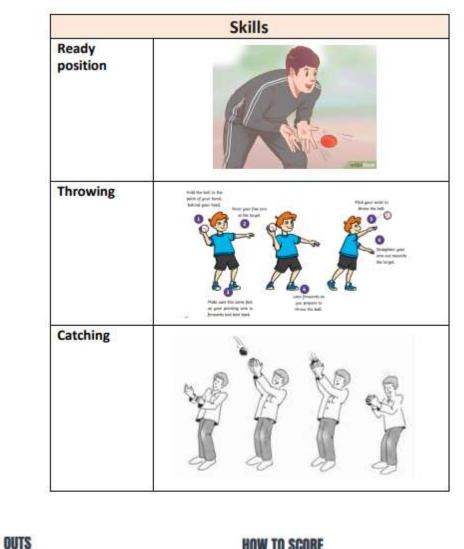


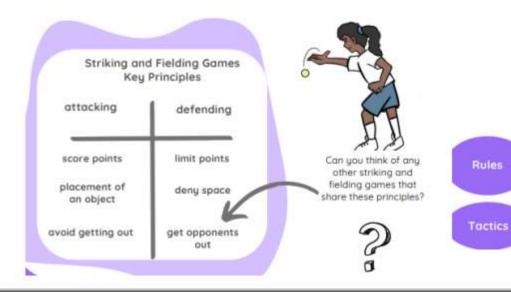




# Knowledge Organiser – PE – Rounders – Year 3

Key Vocabulary	Definition
Accuracy	Aiming with consistency.
No ball	When a ball is bowled too high or too low.
Batter	A player on the batting team trying to hit the ball.
Bowler	The player on the fielding side who bowls the ball.
Fielder	A player on the fielding side who aims to collect/catch the ball.
Stumped out	If a fielder touches the ball on a post before the batter gets to it whilst running.
Two-handed pickup	A fielding technique used when the ball is rolling on the ground.
Caught out	When a fielder catches the ball without it touching the ground.





# **HOW TO SCORE**

- · One rounder ball is hit and live batter runs to 4th
- A holf rounder = ball is hit and live batter gets to 2nd
- A half rounder = ball is not hit and live batter gets to
- · A holf rounder two consecutive no-balls
- running to
   They run inside the boses

· Run out their teammate runs to the same post as them · Stumped out: fielder stumps the post that the batter is

A player will be called out if they are:

· Caught out: fielders catches a batted ball

Tactics will help your team to achieve an outcome e.g. when fielding spread out to make so that you have a better chance of catching a batter out or stopping them from scoring.