

Knowledge Organisers

Year 7

Autumn Half Term 1

'Practice of what is taught'

Name:

Tutor:

House:

Art

You need to research into natural forms and collect <u>*at least*</u> 10 different images of them. **Here are some suggestions,** leaves, flowers, seeds, shells, wood, plants, fruits, vegetables. (Remember not animals as we study them later in year 8.)

You need to arrange these on a power point slide OR a word document and attach it to class charts to submit it. Try and be creative with your presentation, you could consider a title, a border, or some notes about the natural forms you have found.



A collection of different natural forms

Year 7 Art - Natural Forms

Key knowledge & skills

Make drawings from primary and secondary resources. Focus on first on SHAPE, FORM and LINE. Then work on building skills in adding TONE,

TEXTURE, COLOUR and PATTERN.

Mark making - This describes the different lines, dots, marks and patterns we can make in an artwork. When you look closely at a natural form, you will see lots of detail and texture. Good artists use mark making to record all the detail they can see. Different media will create different types of





Analyse work of artists whose work is inspired by natural forms,

understanding how you can be **inspired** by their processes and techniques of creating art.

Printmaking - An artistic process where you can make pictures or designs by printing them from specially prepared plates or blocks. There are lots of different types of printmaking. When





Collage- the process of layering materials to create an image or background which can then be worked onto using different media. You can carefully cut and present materials to create an image too.

Key Artists



Peter Randall-Page

Artist Peter Randall-Page was born in the UK in 1954 and studied sculpture at Bath Academy of Art from 1973-1977. During the past 40 years Peter Randall-Page has gained an international reputation through his sculpture drawings and prints. He has undertaken numerous large-scale commissions and exhibited widely. His work is held in public and private collections throughout the world. His work is inspired by the natural world and the impact that it has on us as humans. For this project we will focus mainly on his drawings and specifically his use of mark making to show texture.



Georgia O'Keeffe

Born in 1887, Georgia O'Keeffe was an American artist who painted nature in a way that showed how it made her feel. She is best known for her

paintings of flowers and desert landscapes. Her unique and new way of painting nature, simplifying its shapes and forms meant that she was called a pioneer. Her style of painting is a combination of abstract and realism. She was inspired by natural landscapes and the forms she would find there,



Angie Lewin

She studied BA (Hons) Fine Art Printmaking at Central St. Martins College of Art and Design between 1983 and 1986. Inspired by both the clifftops and saltmarshes of the North Norfolk coast and the Scottish Highlands, she

depicts these contrasting environments and their native flora in wood

engraving, linocut, silkscreen, lithograph and collage. She is fascinated by the huge variety of different plant species and insects which has in turn



Aimee Mac

Aimee Mac lives and works in Manchester in the UK. She sells her work through her website and on sites like Etsy. Her work consists of intricate illustrations that are inspired by plants, animals and insects, ceramics and retro interiors. Highly detailed, they are made up entirely of thousands of tiny dots and lines. She uses layers of block colour to tailor her work for digital, screen and risograph printing. I work with print, contemporary

homeware and textiles, surface patterns, stationery, jewellery, stickers and clothing.

Key terms and techniques

observational drawing pencil printing watercolours coloured pencil tonal texture mono printing depth collagraph printing collage materials textures sculptural observing close up viewfinder composition relief intaglio roller printing inks printing press printing plate sketching planning designing drawing

Key descriptive words

textured smooth bumpy natural nature wild sharp spiral layered soft flat desegmented tailed colour seed flower shell leaves skull sections pattern repeatthorny irregular coarse directional ed spiky printed drawn organic cross-hatching pointillism hatching layered relief three dimensional

		Key Words	A string of characters that allows access to a computer system or service	An electronic way of sending information to another person or group of people	Recipient Recipient is the	PowerPoint A software package	designed to create electronic presentations consisting of a series of slides.	Cyberbullying Where people use electronic communication to bully another person
The Castle School ACHIEVE BELONG PARTICIPATE Collaborating Online Respectfully		Presentation	Plan effective presentations for a given audience. You are creating a presentation on cyberbullying.	Your audience is your peers, but what does that mean? Who is your audience? What characteristics could apply to your audience?		Reporting Concerns	Talk to your teacher, tutor, pastoral or head of house	Childline: <u>www.childline.org.uk</u> ThinkUKnow run by the Child Exploitation and Online Protection centre (CEOP): <u>www.thinkuknow.co.uk</u>
Topic:	How to use the school ICT systems in a safe and responsible way .	Online Communication	Email- An electronic way of sending information to another person or group of people. This is a very convenient way to send information.	0		Cyberbullying	Bullying can be described as repetitive, malicious behaviour that tries to establish dominance over a person or group of people.	vulnerable to cyterbullying • Cyterbullying is like traditional bullying but it takes place online • Cyterbullying can include discrimination and hate crimes
Computing Knowledge Organiser	Rationale: How to use	Computing Room	You will have a username and password to log on. Passwords - Create a memorable and secure password	It is important to have all your files and folders in a logical order so it is easy to find information correctly		Presentation	Presentation tools Sans Serif fonts Example	Contrasting background and font colours Pastel shades for backgrounds

DT

For this half term you will have two tasks linking to what you are learning in DT about design.

Task 1: watch the following YouTube video. <u>The genius of the London Tube Map | Small Thing Big Idea, a TED series (youtube.com)</u> and use the Cornell Note method to make notes, summarise, create questions and self-quiz. The link will be available on ClassCharts.



Task 2: watch the following YouTube video. <u>The Gherkin - Sustainable Building Design (UCL IEDE/VEIV) - YouTube</u> and use the Cornell Note method to make notes, summarise, create questions and self-quiz. The link will be available on ClassCharts.



English

Week 1: Gothic Vocabulary

Antagonist: person who actively opposes or is hostile to someone or something; an enemy

Barrow: a large mound of earth or stones over the remains of the dead

Bildungsroman: a novel dealing with a character's formative years, a coming-of-age story

Genre: a style of art, music, or literature

Greed: intense and selfish desire for something

Gothic: uses dark and supernatural elements such as horror, mystery, and dread

Guardianship: the position of being legally responsible for the care of someone who is unable to manage their own affairs

Hero: person who is admired for their courage, outstanding achievements

Macabre: disturbing because concerned with or causing a fear

Week 2: Gothic Vocabulary

Mausoleum: a stately or impressive building housing a tomb or group of tombs

Morbid: an unusual interest in disturbing and unpleasant subjects, especially death and diseases

Monologue: speech with only one person speaking

Protagonist: the leading character or one of the major characters in a novel.

Supernatural: some force beyond scientific understanding or the laws of nature

Tomb: a large vault, typically an underground one, for burying the dead

Vulnerability: a weakness

Villain: a character whose evil actions or motives are important for the plot.

Week 3: Key English Terminology:

Word class – a type of word such as 'verb', 'noun', 'adjective'.

Simile – a comparison of two things using 'like' or 'as' – 'she is as fast as a cheetah.'

Metaphor – a comparison of two things by saying one literally is the other, 'she is a diamond.'

Personification – using human qualities to describe something non-human.

Pathetic fallacy – where the weather reflects the mood. Bright, sunny days to show a joyful mood.

Semantic field – a group of words connected by a theme.

Alliteration – The same letter or sound at the start of multiple words

Imagery – detailed descriptions that enable the reader to picture what is described.

Onomatopoeia – words that sound like the word they are describing 'bang' 'crash'.

Juxtaposition – describing two things that are not similar next to each other to highlight the differences.

Week 4: Essential Grammar:

Noun – a word that names something: a person, place, thing, or idea.

Concrete noun – a word for a physical object, e.g. Table, chair, pen

Abstract noun – a word for an abstract idea, e.g. love, war, peace, hatred.

Noun phrase – a group of words that function as a noun in a sentence. E.g. 'The plate with the food.'

Auxiliary verb – also known as 'helping verbs', help the main verb in a sentence by expanding its meaning. E.g. I am playing (am is the auxiliary verb).

Verbs – a word that describes an action.

Adverbs – a word that describes a verb.

Week 5: Context – Jungle Book

Inspiration is from The Jungle Book

This is a **bildungsroman (coming of age story)**. There are many similarities with The Graveyard Book.

Much of the book focuses on Mowgli, a boy who grows up in the jungle.

In "Mowgli's Brothers," Mowgli is raised by the Wolf Pack and learns the Law of the Jungle. He eventually leaves the wolves but vows to return when he has defeated the tiger Shere Khan.

In "Kaa's Hunting," Mowgli is taken to the Cold Lairs by the Monkey People and rescued by Baloo the bear, Bagheera the panther, and Kaa the python.

In "Tiger! Tiger!" Mowgli defeats Shere Khan and decides to become a lone hunter.

In the Graveyard Book, Bod is raised by ghosts, learns the laws of the dead and eventually leaves.

Week 6: Context - Witches

It was primarily old women that were accused of being witches, and often they were very poor. Any who were unfortunate enough to be 'crone-like', snaggle-toothed, sunken cheeked and having a hairy lip were assumed to possess the 'Evil Eye'! If they also had a cat this was taken as proof, as witches always had a 'familiar', the cat being the most common.

Many unfortunate women were condemned (thought of as being guilty) on this sort of evidence and hanged after undergoing appalling torture. The 'pilnie-winks' (thumb screws) and iron 'caspie-claws' (a form of leg irons heated over a brazier) usually got a confession from the supposed witch.

A man called Matthew Hopkins, an unsuccessful lawyer, came to help (!) He became known as the 'Witchfinder General'. He is said to have executed (killed) three hundred women for being witches between 1644 and 1646.

Week 7: Origins of gothic literature

The Goths were a Germanic tribe renowned for being uncivilised and going against the accepted rules of society.

The term 'gothic' was first coined (used) in 1764 by English author Horace Walpole in his novel, 'The Castle of Otranto', subtitled 'A Gothic Story'. The novel was set in a haunted castle where the protagonist is plagued (haunted) by supernatural occurrences.

Walpole used the term Gothic because it refers to medieval buildings like castles and churches, where a lot of Gothic fiction is set. Gothic Literature became immensely popular in England and Germany during the 18th century, with many other genres borrowing its conventions.

Gothic fiction is all about creating terror in the reader and using fear to create suspense. It is not usually bloody and horrific.

Week 8: Essential Grammar:

Adjectives – a word that describes a noun.

Participles – a word formed from a verb but used as an adjective or a noun in a sentence. (E.g. taking the verb 'working' and using it as a noun in a sentence - a working woman)

Articles – a word that comes before a noun to show whether it is specific or general. The definite article is 'the', to make a noun specific. 'The cup of tea'. The indefinite article is 'a' to make a noun general. 'A cup of tea'.

Co-ordinating conjunctions – connects words, phrases, and clauses together. The acronym <u>FANBOYS</u> can help to remember them all. For, And, Nor, But Or, Yet, So

Pronoun – a word that can be used in place of a noun to reduce repetition. For example, 'I have a dog. She is brown and white.' 'She' is the pronoun, instead of 'the dog'.

Reading Articles

You will have a reading article each week linking to the whole school theme for that week:

Week 1: Values

- Week 2: Friendship and Family
- Week 3: Ambition
- Week 4: Black History Month

Week 5: Equality

Week 6: Celebration

Read the article and highlight three words of which you were not sure. Then write the definition and draw an image which will help you remember.

As you read the articles, you will identify that the articles are not in UK English. However, the articles offer some great messages.

Use this QR code to access the reading articles read by a teacher:



Sparx Reader

On a Tuesday and Friday, you should log on to Sparx reader and spend 30 minutes reading.







Geography



Week 2 - The nature of Geography	Week 4 - The UK
The word geography comes from the Greek word 'geo' (the earth) and	Great Britain is the largest of the British Isles, containing England, Scotland, and
'graphy' (to write about) to write about the earth.	Wales; The United Kingdom also includes Northern Ireland.
Geography can be categorised into human, physical and environmental	The UK is divided into regions such as the South West where we live. A region is
geography. Human geography is how people interact with the earth,	an area of a country with similar characteristics such as climate and vegetation.
nature, and landscapes. For example, humans pollute the air or build on	London is the capital of the UK, located in the south-east of England on the River
land and take water out of rivers. Physical geography is the natural	Thames. The highest mountain is Ben Nevis in Scotland, and the longest river is
processes such as erosion and landforms on earth such as volcanoes,	The River Severn. The total population of the UK in 2024 was 67.85 million.
rivers, and deserts. Environmental geography is about natural habitats	The population distribution means how people are spread out across the UK.
(plants and animals) and how they develop and change and interact with	Some regions are sparsely populated because they are mountainous and cold
human activity. Examples include deforestation (chopping down trees),	such as the Cambrian mountains whilst other places are densely populated
climate change (the planet is getting warmer) and how humans pollute	because they are flatter and warmer and have a good water supply such as the
the air, seas, and soil.	south-east of England.
Week 6 - The Geography of Europe and The World	Week 8 - The UK and the wider world
There are forty-four countries in Europe, Russia is the largest and	The UK has many links with other countries in the world. The UK exports goods
Liechtenstein is the smallest. The total population of Europe in 2024 was	worth £250 billion a year. The Channel Tunnel has meant that people and goods
741,656,711 which is less than 10% of the world's population. The	can move quickly to European countries. Media exports have increased
population of Europe is declining. Most of the population in Europe live in	enormously such as Peppa Pig which is exported to 170 countries around the
urban areas - in towns and cities - where there are more jobs and	world.
facilities. Fewer people live in rural areas - the countryside - as there are	The 56 Commonwealth countries which used to be part of the British Empire
fewer services such as hospitals.	meet every 2 years to discuss common values and goals to improve the quality
Our world has seven continents and five oceans. The largest continent is	of life for people.
Asia, and the largest ocean is the Pacific. We use latitude and longitude	The British public voted for Brexit in 2016. Now people from Europe must apply
lines to locate places in the word. The equator is 0° latitude so is the	for a visa to live and work here. Another organisation that The UK belongs to is
middle of the earth between the poles (north and south) and the	NATO which is an alliance of 28 countries bordering the North Atlantic Ocean.
Greenwich Meridian is 0° longitude so the middle of the planet west to	NATO was created in 1949 to provide security for those nations against the
east.	possible expansion of Russia.

History

Week	Core Essential Knowledge			Disciplinary literacy
Week 1 - What was the Roman Empire and how did it support itself?	The city of Rome was founded i other countries including Britai It lasted for over five hundred The Emperor led the Empire. Th Society was organised so that support the wealth of the Emp Britain would trade Wool, leas the Empire.	n, France, Spain with the Rom years! ne Roman Army would conque t the Empire would be succe p ire.	nan Army. er and then run the country. essful – through trade to	Key vocab: Conquer – A successful invasion of another country. Empire One country taking over other countries and being ruled by one Emperor/Leader. Emperor -Ruler of an Empire. Trade The Act of buying and selling goods.
Week 1 - Why did the Roman army conquer Britain in 43AD?	Romans felt it was their right to you are Roman. It will be your jo peaceful, and everyone obeys F The Main Reasons Romans Im Economic Britain had silver and the empire and pay the Army. Society – Romans felt it was the thought the British were strong Political – Caesar thought it wo empire from enemy states.	ob to rule over other countries Roman law." vaded. d gold mines. The Empire wou eir duty to improve the lives o and would help strengthen th	s, so that the world becomes uld use the wealth to feed If people. Julius Caesar The Army.	Key vocab: Empire – See Lesson 1 Invasion – When a country takes over another country. Economic factor – When money is a key reason for change. Social factor. – When people are a reason for change. Political factor – When Leaders make changes to increase power.
Week 3 - How did the Romans deal with the rebellious Brits?	Boudicca was ruler of the Icen warrior queen she led her peop like Colchester and London. Sh Reason Roman beat the Celts. Romans were highly trained. Romans had hard wearing equipment. Romans used tactics to trap the Iceni.	le against the invasions of the	e Romans, destroying cities	Key vocab: Empire – See lesson 1. Invasion – See lesson 2. Rebellious = A behaviour that goes against the rules. Celts – The Native people to Britain.

Week 3 - How did good organisation help the Roman Army to be so successful?	 Main part of the army were the LEGIONS. These were made up of around 5000-6000 men. A legion was divided into ten cohorts. Each cohort was made up of six centuries. A centurion commanded the centuries. Centuries had 80 - 100 men. They were responsible for training the soldiers under their command and making sure everyone obeyed. Some were very cruel and would carry a stick, which they used to beat soldiers. Most soldiers joined between 18-20 years old. There were three 30km marches each month. On each march the legionary would carry twenty-five kilos of equipment. Regular practises of weapons. 	Key Vocab: Centurion - A Roman who trained the soldiers under his command. Cohort – A group of about six hundred men in the Roman Army Legion - The main part of the Roman Army was called the legion and led by the Legate.
Week 5 - What were the tactics used by the Romans in battle?	 THE ORB - The legionaries form a circle around the officers and the archers (these were the most important people!) using their shields as protection. THE WALL - The soldiers form a line, with the men at the front crouching down with their shields in front of them and their spears stick out of the gaps. The men behind put their shields over the top of the men in front and have their spears ready to throw. This would even stop horses from charging. The Wedge is at the front of the 'V' and the legionaries form the sides of the 'V.' They must stay close together to stop the enemy from breaking the line. The Tortoise is square. The men at the front hold their shields in front of them. The men at the sides hold their shields to the sides. The men in the middle hold their shields above them. 	Key Vocab – SEE LEFT The Orb. The Wedge. The Wall. The Tortoise.
Week 5 - How would armour and weapons make Roman Soldiers Successful?	 Armour Roman soldiers had armour made of strips of strong iron. The iron made the armour strong, and the strips made it flexible. They also had iron helmets which protected their heads and neck, but still let them have good vision for fighting. Weapons The Roman soldiers used a variety of weapons including a pugio (dagger), gladius (sword, see picture to the right), hasta (spear), javelin, and bows and arrows. The soldiers trained to fight with their weapons and practised on a regular basis. They would sometimes spar with each other using wooden swords. 	<u>Key Vocab</u> Gladius (short sword). Pila (javelin). Scutum (Shield).

Maths

On a Tuesday, your Maths task will be set by your teacher. You should log on to Sparx Maths to complete this task. Your practice book has an area for your workings which you need to use as during the homework, Sparx Maths undertakes a bookwork check.

On a Thursday you practice independently on an area where you have a gap in your knowledge.

When logged in to Sparx students will always be able to see the Independent Learning option on the main menu:

			Sparx Maths	130 XP	¢Ξ
Sparx Ma	iths	130 XP Eric Friend \car{Q}	My Homework	Independe	nt Learning
The compulsory	Hey Eric, Here's your compulsory homework	0/1	Hey Eric, Here's your compulsor	y homework.	0/1
G XP Boost Target E Practice Independent Learning	 Homework due Tuesday 29th August 	23%	✓ Homework due August		
	On desktop		★ 5 Compulsory XP Boost On m	₩ Target	E Practice

Students have the option to choose both the **curriculum** they want to work on and the **default level** for the questions they will see, but when they first log in the curriculum will be the same as the **Base curriculum** that is set on their class' <u>SoL</u>, and the level will be set to the level they are being set for their homework (whether this was chosen by the algorithm or the teacher.)

					Sparx Maths	130 XP 🗘 📃
Sparx Me	aths			130 XP Eric Friend 🏚 🗮	My Homework	Independent Learning
Compulsory	Independent Lear	ning			Your curriculum:	
G.	Find topics My activity				GCSE	
XP Boost	Search for topics:	Your curricul	lum:	Default level:	Default level:	
냅 Target	Enter topic name or code	GCSE		- Level 5 +	Level 5	-
	Select a topic:				Search for topics:	
Practice	Number	÷+ ×-	Algebra	\boldsymbol{X}^{2}	Enter topic name or	code
E Independent				1 N	Select a topic:	
Learning	Ratio and Proportion	3:2	Geometry		🔡 Number	>
	Probability		Statistics	al.		
					χ^2 Algebra	\triangleright
		On deskt	op		×	<u>چ</u>
					Topics	Activity
					On m	nobile

- Typing one of the following in the Search for topics field:
 - The name of a topic
 - A keyword
 - A code given to them by their teacher. (Find out more about Topic Codes in our article on the <u>Independent Learning Page</u>)
- Browsing the content by clicking on one of the main Strands:

< Sp	arx Maths	200 XP	Eric Friend	¢	Ξ
☆	Independent learning > Geometry				
Compulsory	✓ Area and perimeter				
SP Boost	✓ Line and shape properties				
Ч	✓ Angles				
Target	✓ Trigonometry				
Practice	✓ Similarity and congruence				
	∧ Circles				
Independent Learning	Ide parts of circles		*	• •	

Choosing what level to work at within a topic

When in a topic, students will see three sets of questions at the level set on their Independent Learning homepage (see image above) which they can choose from:

- Introduce: basics skills for this topic at this level
- Strengthen: questions to consolidate understanding
- Deepen: more problem-solving type questions to challenge

If students find questions too easy or too tricky, they can change the level of each individual topic*. This won't affect the overall level of questions in all other topic areas so they can tailor what they see to their strengths and weaknesses.

*Some topics won't have higher or lower levels depending on the subject chosen.

How students view their own progress

1. By a count next to each topic, and Ticks and Stars within each set of questions:

Independent learning Algebra	
∧ Algebraic notation	1/1 started
Using algebraic notation	Lavai 5 🗸 ★ 🖈 🔈
 Substituting into expressions and formulae 	1/3 started
Substituting into expressions	
Substituting into algebraic formulae	Level 5 🗸 🖈 🖈 🔊
Substituting into real-life formulae	✓ ± ±

- Students will get a **tick** if they complete one of the tasks in the topic. This means all the basics are covered.
- Students will get a **star** for each subsequent task they complete.

MFL - French

Tu aimes les pays francophones? Do you like French speaking countries?

J'adore (I love) Ie Canada Image: constant of the second of the sec	Opinion	Place	Phonics: J SFe	Connective	It is	Ad	ljective
le vais (l go / I am going) au Canada (to Canada) au Maroc (to Morocco) en France (to France) car because c'est it is c'est it is c'est it is c'est très very vraiment relaxant (relaxing) moderne (modern) moche (ugly	(I love) J'aime (I like) Je n'aime pas (I don't like Je déteste	le Maroc Maro c				(hi rel (re mo (m	storic) axant elaxing) oderne odern)
Je vais (to Canada) au Maroc au Maroc (I go / I am) en France en France because (to France) vraiment (to France) moderne (modern) moderne aumore moderne (to France) moderne	Person/verb	Place	Connective	Verb	Qualifier		Adjective
à la Martinique	(I go / I am	(to Canada) au Maroc (to Morocco) en France			quite très very vraiment		(historic) relaxant (relaxing) moderne

Person/verb	Infinitive	Tourist Attraction	Opinion	Noun
				l'art
		le Louvre		Art
		(Louvre art museum)		
				les sciences
		le Centre Pomp <mark>i</mark> dou		Science
Je v <mark>ai</mark> s		(Pompidou Science	J'aime	
(I go / I am	visit <mark>er</mark>	centre)	(I like)	les
qoinq)		_		monuments
5 57		l'Arc de Tr <mark>i</mark> omphe	Je n'aime	historiques
Je voudr <mark>ai</mark> s		(Arc de Triomphe)	pas	historic
(I would like			(I don't like)	monuments
to)		la Tour E <mark>i</mark> ffel		
,		(Eiffel Tower)		

(to Martinique)

German

Woher kommst du? [Where do you come from?]					
1	2	3			
Ich komme [I come] Er kommt [He comes] •Sie kommt [She comes]	aus [from]	Köln Berlin Bremen Hamburg Dresden Stuttgart München England Deutschland			

Was trägst du? [What do you wear?]

1	2	3	
Ich trage [I wear]	gern [gladly]	blau [blue]	
	lieber [preferably]	braun [brown]	
Er trägt [He wears]	am liebsten [best of all]	gelb [yellow]	
		grau [grey]	
Sie trägt [She wears]	immer [always]	lila [purple]	
-	meistens [mostly]	orange [orange]	
Meine Eltern tragen	oft [often]	rosa [pink]	
[My parents wear]		rot [red]	
		schwarz [black]	
		weiß [white]	

Wer ist dein(e) Lieblingsspieler(in)?

1	2	3	4	5
Mein Lieblingsspieler [My favourite player - male]	heißt		und er ist [and he is]	fantastisch [fantastic] sehr gut [very good]
Meine Lieblingsspielerin [My favourite player – female]	[is called]		und sie ist [and she is]	toll [great] wunderbar [wonderful]

Deutsche Aussprache



Mandarin

1st hour – Greetings

^{nī hǎo} , 你好, 我叫 Timo	Hello, hello, my name is Tim.
zài jiàn zài jiàn zài jiàn 再见,再见,再见!	Goodbye, goodbye, goodbye!
nǐ jiào shén me míng zì 你叫什么名字?	What is your name?

2nd hour – Numbers

^{yī} 1	÷r — 2	sān 三 3	sì 四4	^{wǔ} 五 5	™ 六6	^{qī} 七7	^{bā} 入 8	‴九9	⁺ 10
shí yī	shí èr	shí sǎn	^{shí sì}	^{shí} wǔ	shí liù	^{shí} qĩ	^{shí bū}	shí jiǔ	^{èr} ^{shí}
+ − 11	+ − 12	十三 13	十四 14	十五 15	十六 16	十七 17	十八 18	十九 19	⊥ + 20
èr shí vì	èr shí èr	èr shí sãn	èr shí sì	èr shí wǔ	èr shí liù	èr shí qi	èr shí bà	èr shí jiù	sān shí
—十—	—十二	二十三	二十四	二十五	二十六	二十七	二十八	二十九	三十
21	22	23	24	25	26	27	28	29	30

3rd hour – How are you?

^{nǐ hǎo ma} 你好吗?	How are you?
wo hēn hǎo xiè xiè 我很好,谢谢!	I am very well, thank you!
zài jiàn 再见!	Goodbye!

4th hour – Most common characters/radicals

kŏu D	rén 人	^{huð} 火	^{mù} 木	^{shān}	rì EJ	yuè 月	mén 17	^{nǚ} 女	mián
mouth	person	fire	tree	mountain	sun	moon	door	female	roof
wáng 王	^{shuĭ} 水	zǐ 子	xīn N	xī 夕	^{dà} 大	xiăo /] /	修	hǎo 好	ăn 安
king	water	child	heart	sunset	big	small	you	good	peace
mă 马	yǔ 雨	^{fēi} K	niăo 鸟	^{mā} 妈	姐	^{mèi} 妹	^{bà}	gē 町	『弟
horse	rain	fly	bird	mum	Older sister	Younger sister	dad	Older brother	Younger brother

Spanish

WELCOME PHRASE	VERB	NOUN	CONN'	VERB	PREP'	NOUN	
						España - Spain	
Hola (hello)		Jaime Luis				Méjico Ecuador Venezuela Perú Colombia	
Buenos días (good morning)	Me llamo (my name is)	lsabel Lorenzo	y (and)	soy (I am)	de (from)	Norte América	
Buenas tardes			Carla Ana				Inglaterra - England Gales - Wales Escocia - Scotland Irlanda - Ireland
(good afternoon)							Francia - France Alemania- Germany Polonia Poland

VERB	VERB	NOUN	CONN'	NOUN
Quiero (I want)	probar (to try)	la paella - paella la tortilla de patata - spanish omelette		el gazpacho - tomato soup el chorizo - spicy sausages el jamón serrano - spanish ham el cocido - spanish stew
No quiero (I don't want)	comer (to eat)	las empanadillas -pastries las croquetas- croquetas las patatas bravas - spicy potatoes las tapas - tapas las albondigas - meatballs las aceitunas - olives	y (and)	los huevos fritos - fried eggs los calamares - calamari los churros <u>con</u> chocolate- churros <u>with</u> chocolate

żQu	ié hay en la foto? What are ther	e in the photo ?
VERB	NOUN	ADJECTIVE
Hay There is	una linea – a line una espiral – a spiral una estrella – a star	blanca -white negra - black amarilla - yellow roja - red morada - purple naranja - orange rosa - pink verde - green azul -blue gris - grey marrón - brown
No hay There isn't	un círculo – a circle un cuadrado – a square un triangulo – a triangle un punto – a point un ovalo – an oval un ojo – an eye un rectángulo - a triangle	blanco -white negro - black amarillo - yellow rojo - red morado - purple naranja - orange rosa - pink verde - green azul -blue gris - grey marrón - brown

Music

1) Go to <u>teachinggadget.com</u> on a computer or scan this QR code on your phone or tablet.



2) Click 'Log In'.



3) Type the username and password below:



4) Click 'My Assignments'



5) Click the drop-down box and select your class. Then click the box 'Select Class'

Accie	gned Tasks	
Assig	jnea rasks	
To acce	ess your assigned tasks please choose you	ir class from the following list
Class:	Seler V Select Class	
	Select Your Class	A
	CLICK HERE TO CHOOSE YOUR CLASS	
	7G2 Leech MonP1	
Intern	7B Leech TuesP4	
Interd	7G1 Leech TuesP5	Signup to our mailing li
	7M Leech WedP4	
Ho	7R Leech FriP1	bout us Testimonies Support Contact us Term & conditions Privacy policy
	70 Adams MonP1	
	7Y1 Adams TuesP4	
	7Y2 Adams FriP2	
	8B3 Leech WedP2	
	8A1 Leech WedP5	
	8B2 Leech ThuP2	
	8A3 Leech FriP2	
	8B1 Adams MonP2	
	8B4 Adams TuesP5	
	8A4 Adams WedP2	
	8A2 Adams FriP4	
	9B2 Leech MonP2	

6) The next page will display the lessons or quizzes you will need to complete for homework. Below is an example of what you will see.

signed Tasks				
e are the tasks assigne	d to your class 7G2 Leech MonP1. Click on t	ne name of the assignme	nt to go directly to that	page.
Class	Assignment	Description	Date Set	Date Due
G2 Leech MonP1	Pitch Quiz – Treble Clef Spaces	1.	20-11-2023	20-11-2023
G2 Leech MonP1	Pitch Quiz – Treble Clef Lines	2.	20-11-2023	20-11-2023
G2 Leech MonP1	Pitch Quiz – Treble Clef Level 1	3.	20-11-2023	20-11-2023
G2 Leech MonP1	Pitch Quiz – Bass Clef Spaces	4. Extention	20-11-2023	20-11-2023
G2 Leech MonP1	Pitch Quiz – Bass Clef Lines	5. Extension	20-11-2023	20-11-2023
G2 Leech MonP1	Pitch Quiz – Bass Clef Level 1	6. Extension	20-11-2023	20-11-2023
G2 Leech MonP1	Pitch Quiz – Alto Clef Level 1	Xander	20-11-2023	20-11-2023

D	Dynamics	How loud or quiet the music is played	
R	Rhythm	Rhythm and duration is how long or short a note or rest is	tea co ffee tea tea
S	Structure & Form	The overall plan or order of a piece of music	NTSD Bird egen gant austrymmeteriaet PER_CADDLG Der sterker austrymmeteriaet 2221 VESE Der sterker austrymmeteriaet BERGE Der sterker austrymmeteriaet DECOMPUTION Der sterker werden der sterker austrymmeteriaet DECOMPUTION Der sterker austrymmeteriaet DECOMPUTION Der sterker austrymmeteriaet 11 12 12 12 12 12 12 12 12 12 12 12 12 1
M	Metre	How many beats are in the bar and what type of beat they are, the Time Signature The top number shows there are 3 beats in a bar The bottom number 4 shows the type of beat is a crotchet.	Simple Meter Cample Trans
	Melody	The tune. Moving by step or leap? High or low?	
	Instrumentation / Voices (Sonority)	Describes the particular sound quality of an instrument or voice. E.g the cymbal sounds like a metalic crash	
	Texture	Texture describes how melody, harmony and rhythm are layered in a piece of music	Monophonic Homophonic Polyphonic Heterophonic
T	Tempo	How fast or slow the piece of music is played	
	Tonality	The key of the piece e.g Major or Minor	
Η	Harmony	The chords (two notes or more notes played at the same time)	



Note Values

This is a *Rhythm Tree* – it is designed to help you identify what the symbols for different note values are, and how they relate to one another. Here are the note values!

Semibreve = 4 beats Minim = 2 beats Crotchet = 1 beat Quaver = ½ beat Semiquaver = ¼ beat



Notes on the Stave

Here are the notes of the **treble** (top line) and **bass** (bottom line) clefs. When the notes fall outside the five lines of music paper, we add extra lines called **ledger** lines. Here are some phrases to help you remember where the notes go!

Treble Clef Lines: Every Green Bus Drives Fast Treble Clef Spaces: F A C E (in the space!) Bass Clef Lines: Green Buses Drive Fast Always Bass Clef Spaces: All Cows Eat Grass



Keyboard Skills

A. Layout of a Keyboard/Piano



A piano or keyboard is laid out with **WHITE KEYS** and Black Keys (see section G). C is to the left of the two Black Keys and the notes continue to G then they go back to A again. Notes with the same letter name/pitch are said to be an **OCTAVE** apart. **MIDDLE** C is normally in the centre of a piano keyboard.

D. Keyboard Functions



E. Left Hand/Right Hand (1-5)



Exploring Treble Clef Reading and Notation

B. Treble Clef & Treble Clef Notation

A STAVE or STAFF is the name given to the five lines where musical notes are written. The position of notes on the stave or staff shows their PITCH (how high or low a note is). The TREBLE CLEF is a symbol used to show high-pitched notes on the stave and is *usually* used for the right hand on a piano or keyboard to play the MELODY and also used by high pitched instruments such as the flute and violin. The stave or staff is made up of 5 LINES and 4 SPACES.

Every Green Bus Drives Fast. Notes in the SPACES spell "FACE"



Notes from MIDDLE C going up in pitch (all of the white notes) are called a SCALE.









Play one - Miss one - play one - miss one - play one

F. Black Keys and Sharps and Flats

There are five different black notes or keys on a piano or keyboard. They occur in groups of two and three right up the keyboard in different pitches. Each one can be a **SHARP** or a **FLAT**. The *#* symbol means a **SHARP** which raises the pitch by a semitone (*e.g. C# is higher in pitch (to the right) than C)*. The *b* symbol means a **FLAT** which lowers the pitch by a semitone (*e.g. Bb is lower in pitch (to the left) than B)*. Each black key has 2 names – C# is the same as Db – there's just two different ways of looking at it! Remember, black notes or keys that are to the **R**IGHT of a white nexts are called SUAPPS call black nexts to the **L**IGHT of a



white note are called SHARPS and black notes to the LEFT of a white note are called FLATS.







Worldviews Knowledge Organiser - Why is my hair like that?

Lesson 1 - To know what your hair style says about you.

In this unit, we will explore how our worldview shapes our identity through our hair. We will examine various worldview perspectives on the significance of hair and head coverings, comparing them with our own worldview. By doing so, we can learn from their perspectives and share insights from our own experiences.

Key Terms:

- · Influence: refers to how our behaviour is shaped by others around us.
- Identity: the essence of who we are, encompassing our beliefs, values, and self-perception. Our identity is often moulded by the cultural context we inhabit and the interactions we have with others.

Lesson 2 – To know why witches, wear pointy hats.

Understanding Modern Witchcraft: modern witchcraft encompasses various contemporary practices that draw inspiration from pre-Christian European religions. Wicca, the largest modern Pagan religion, is often associated with witchcraft. Wiccans typically identify as witches and follow naturebased spiritual beliefs.

Why the Concern?: Despite its diverse forms, modern witchcraft can evoke curiosity, fear, or misunderstanding. Societal stereotypes and historical associations contribute to the fascination and apprehension surrounding witchcraft.

Key Terms:

- Wicca: A Neo-Pagan religion that emphasizes reverence for nature, magic, and the divine. Wiccans often identify as witches.
- · Pagan: A general term for traditional religions that often involve multiple gods or goddesses.
- Stereotype: Making assumptions about a group based on specific characteristics.

Lesson 3 – To know about orthodox Jews and their hair.

At The Castle School, we strive to be inclusive of all traditional clothing practices. Here are some key terms to consider:

- Orthodox Jew: An Orthodox Jew is someone who adheres closely to the rules and teachings of the Torah (the Jewish sacred text). Their clothing choices often reflect their commitment to religious observance.
- Peyot: Peyot are the sidelocks worn by Orthodox Jewish men. These locks of hair are a visible sign of their faith and devotion.
- Sheitel: A sheitel is a wig worn by married Jewish women. It is often worn to cover their natural hair, in accordance with religious guidelines.
- Tichel: A tichel is a headscarf worn by Jewish women. It serves both practical and cultural
 purposes, and there are various styles and colours.
- Mitzvot: Mitzvot are the commandments or laws given by God in Jewish tradition. These laws
 guide various aspects of life, including clothing choices.

By embracing and respecting these diverse clothing practices, we create a more inclusive and understanding environment at our school.

Lesson 4 – To know about Buddhist monks and their hair (or lack of it)

Let us explore the key ideas related to giving up something for reflection and the significance of certain practices:

- Liberation through Sacrifice: The concept of giving up something, whether material possessions or attachments, can lead to liberation. By letting go, we create space for deeper reflection and connection with what truly matters.
- Buddha Dharma: Buddha Dharma refers to Buddhism, a spiritual tradition founded by Siddhartha Gautama (the Buddha). Buddhists seek enlightenment and liberation from suffering through various practices.
- Sangha: The Sangha represents the community of Buddhists. It provides support, guidance, and a sense of belonging on the spiritual path.
- Tonsure: Tonsure involves cutting one's hair or shaving the head for religious reasons. In Buddhism, it
 symbolises renunciation and detachment from worldly concerns.
- Pabbajja: Pabbajja means "going forth." It refers to the act of leaving behind possessions, family, and ordinary
 life to become a monk or nun. By embracing simplicity, one can focus on spiritual growth.

Lesson 5 – To know about Muslims and their hair.

Let us explore the key ideas related to people's treatment based on beliefs and appearance, as well as the question of whether individuals should be allowed to wear whatever they want. I will address both perspectives:

- Understanding Unfair Treatment: People sometimes face discrimination or mistreatment due to their beliefs
 or appearance. Stereotypes and biases can lead to negative experiences for individuals who express their
 identity through clothing.
- Clothing and Identity: The hijab, burka, and niqab are examples of clothing choices that hold cultural, religious, and personal significance. Modesty, as a value, influences how people choose to dress.
- Freedom of Expression: Allowing people to wear what they want promotes freedom of expression. It acknowledges individual autonomy and diversity.
- Considering Different Perspectives: Some argue that dress codes in schools or workplaces are necessary for uniformity, safety, or professionalism. Balancing personal expression with community norms can be challenging.

Should we be allowed to wear whatever we want at The Castle School?

- Yes, we should: Individual Expression: Allowing personal clothing choices fosters creativity and self-expression. Respecting Diversity: Acknowledging diverse backgrounds and beliefs enriches our school community. Learning Opportunity: Encountering different styles and traditions broadens our understanding.
- No, we should not: Uniformity: Dress codes promote a sense of unity and prevent distractions. Safety and Security: Certain clothing items may pose safety risks (e.g., loose scarves in labs). Professionalism: In some contexts, adhering to dress standards is essential (e.g., job interviews).

Lesson 6 – To know about Sikhs and their hair.

Let us explore how the Sikh practice of wearing a turban reflects the principle of equality within the Sikhi faith:

- Sikhi and the Khalsa: Sikhi, also known as Sikhism, is a monotheistic religion founded in the 15th century in the Indian subcontinent. Baptized Sikhs, known as the Khalsa, follow specific practices and principles.
- The 5 Ks: The 5 Ks are essential symbols worn by baptized Sikhs. They represent their commitment to Sikh
 values. One of the Ks is Kesh, which refers to uncut hair. Sikhs believe that hair is a natural gift from God and
 should not be altered.
- The Turban (Dastaar): Sikhs often wear a turban (dastaar) as part of their religious observance. The turban
 covers the uncut hair (kesh) and serves as a visible sign of Sikh identity.
- Equality and Respect: Sikhi emphasizes equality and treating all individuals with respect. By wearing the turban, Sikhs demonstrate their commitment to equality, regardless of social status, caste, or appearance.
- Breaking Stereotypes: The turban challenges stereotypes and promotes understanding. It signifies that every Sikh, regardless of gender or background, shares the same commitment to faith and values.

In summary, the Sikh practice of wearing the turban symbolizes equality, unity, and respect for all, reinforcing the core principles of Sikhi.

Science - Biology

Composite title	Essential knowledge	Keywords
Week 1 What are living things made of?	All living organisms are made up of cells. Animal Cell structure include: • Nucleus • Membrane • Cytoplasm • Mitochondria Plant cell structure include organelles above plus: • Cell wall • Chioroplast • Vacuole Function of the cell structures. • Cytoplasm - Chemical reactions occur here • Nucleus - Contains the genetic information. Controls the cells activity • Cell membrane - Controls what enters or leaves the cell • Mitochondria - Carry out respiration to release energy • Chloroplast - Notosynthesis occurs here. • Vacuole - Contain cell sap to keep cell swollen. • Cell Wall - Provides structure and support.	Organelle Nucleus Cytoplasm Cell wall Cell membrane Chloroplast Vacuole Cell





Other microorganis	ms <u>include:</u> Fungi and viruse	es.			Chromosomal DNA Flagellum Specialised cel Differentiated
Roles of differentiated/s Egg Sperm red blood cell root <u>hair</u> Cell	pecialised cells in multicellular orga	anisms including:	Image	Multicellular organisms consist of many cells.	
Red blood cell	To carry oxygen around the body	Large surface area to carry oxygen. Haemoglobin to carry oxygen. No nucleus for plenty of space for haemoglobin.		Specialised cells are cells that have a specific function. They are well adapted to carry out their function	
Sperm cell	To reach female egg cell and fertilise it (fuse with it)	Tail for swimming. Acrosome with digestive enzymes to help break through egg cell. Mitochondria to provide energy.		in a number of different ways.	
Egg cell	To be fertilised by a sperm cell	Only allows one sperm cell through membrane. Contains yolk which provides a large store of <u>nutrients</u>	۲	Eukaryotic cells contain a nucleus	
Root hair cell	to absorb water from the soil for the plant.	Thin membrane and a large surface area to speed up the rate of diffusion.	G	Prokaryotic cells do not contain a nucleus	

Week 5 How can we see bacteria?	 Practical investigation <u>Aim 1-</u> To create plates using an <i>aseptic technique</i> to test what is living on your skin. <u>Aim 2-</u> To investigate whether washing your hands has an impact on what's living on your <u>skin</u> Method (aseptic technique): Wipe down the surface you are going to work on using antiseptic and blue roll. Put the blue roll in the bucket provided – not the <u>bin</u> Place a piece of foil on the <u>deak</u> Set up a Bunsen burner and leave this on the blue flame near where you are <u>working</u> Collect an agar plate, draw a line across the bottom and write your initials on it. Your partner can take the lid off whilst you carefully rub your finger across the agar – do not push too hard. Place the lid back on the plate and tape shut with a cross shape – do not completely seal the agar plate! Turn off the Bunsen burner, and return the <u>foil</u> Wipe down the area you have been working on with blue roll and place this in the bucket. 	Aseptic technique means using practices and procedures to prevent contamination	Aseptic technique Sterile Agar plate Petri dish Microorganism
Week 6 How can we <u>use</u> microorganisms ?		Aerobic respiration word equation: Glucose + Oxygen → Carbon dioxide + Water	Fermentation Fungi Yeast Egestion Reactants Products Reaction
	Uses of fungi (yeast): Making bread - Carbon dioxide released in respiration causes the bread to rise. Making beer - through fermentation, air is kept out of the mixture so the yeast can aerobically respire. Uses of bacteria: Making yogurt. Method: 1. Heat 100cm ³ milk to 85°C in a beaker on a tripod and gauze. 2. Cool milk to 43°C, continue <u>stirring</u> 3. Add 1 teaspoon of starter (natural yogurt with bacteria in) 4. Put in plastic cup an cover in cling film with your name on. 5. These will be incubated.	Anaerobic respiration in <u>yeast</u> : Glucose → Carbon dioxide + ethanol (an alcohol)	

Chemistry











	Some elements consistent of one atom. Some g of thousands of atoms but they are all element Properties of elements can be investigated such • Conductivity (electrical) • Conductivity (thermal) • Boiling point • Melting point • State at room temperature • Appearance • Metal or non-metal • Magnetic	s because they contain one type of atom.		
Hazards and everyday uses Week 5	Many chemicals in the lab and in every day life Hazard symbol	can be hazardous. Hazard symbols inform us of the haza What it means Explosive May explode if exposed to fire, heat, shock, friction.	rds. How to reduce risk of harm. Avoid ignition sources (sparks, flames, heat) Keep your <u>distance</u> Wear protective <u>clothing</u>	Irritant Corrosive Harmful Toxic Flammable Explosive
		Flammable Flammable if exposed to ignition sources, sparks, heat. Some substances with this symbol may give off flammable gases in contact with water.	Avoid ignition sources (sparks, flames, heat) Keep your <u>distance</u> Wear protective <u>clothing</u>	Pressure
		Oxidising Agent Can burn even without <u>air, or</u> can intensify fire in combustible materials.	Avoid ignition sources (sparks, flames, heat) Keep your <u>distance</u> Wear protective clothing	

Gas under pressure Contains gas under pressure. Gas released may be very cold. Gas container may explode if heated.	Do not heat <u>containers</u> Avoid contact with skin and <u>eyes</u>	
Corrosive Corrosive material which may cause skin burns and permanent eye damage.	Avoid contact with skin and eyes Do not breathe vapours or <u>sprays</u> Wear protective <u>clothing</u>	
Toxic Toxic material which may cause life threatening effects even in small amounts and with short exposure.	Do not swallow the material, allow it to come into contact with skin or breathe <u>it</u>	
Health problems May cause serious and prolonged health effects on <u>short or long term</u> exposure.	Do not swallow the material, allow it to come, joto.contact.with skin or breathe it.	
Irritant May cause irritation (redness, rash) or less serious toxicity.	Keep away from skin and <u>eyes</u>	

	Toxic to the environment Avoid release to the environment Toxic to aquatic organisms and may cause long lasting effects in the environment. Avoid release to the environment	
Chemical Reactions Week 6	For a chemical reaction to have occurred a new substance has to have been formed. For a chemical reaction to have occurred a new substance has to have been formed. Reactants → Products (Starting <u>chemicals</u>) (New chemicals) The arrow shows a chemical reaction has happened, but an equals sign shows the items before and after are the same.	Reaction Reversible Irreversible Reactant Product
	There are three main ways to tell that a chemical reaction has occurred. A colour change A gas is released (effervescence) There is an energy change (e.g. changing temperature) Chemical reactions usually cannot be reversed (irreversible) Remember: A physical change is a change in state. Physical changes can be reversed. Writing chemical equations:	Effervescence

When magnesium is burned in oxygen , magnesium oxide is made. Magnesium + oxygen → magnesium oxide

When water is added to copper sulphate, hydrated copper sulphate is made.

Copper sulphate + water \rightarrow hydrated copper sulphate

When magnesium is added to hydrochloric acid, hydrogen is made along with magnesium chloride.

Magnesium + hydrochloric acid(g) → magnesium chloride + hydrogen

Reactants: The chemicals which are present at the start of the reaction

Products: The chemicals made in a chemical reaction

Physics

Composite	Essential knowledge	Key words
title		
Week 1	Forces are a push or pull which can change the speed, <u>direction</u> or shape of an object. All forces are measured in Newtons (N) We cannot see <u>forces</u> so we need to use diagrams to represent them. <u>FREE BODY DIAGRAMS</u> show the forces acting on an isolated object.	Force Free-body diagram Newton meter
What is a force?	Free body diagram: Free body diagrams Use arrows to represent forces. The direction of the arrow shows the direction of the force. The size of the arrow represents the size of the force.	
Week 2 What is the resultant force?	If forces are balanced the motion of an object will not change – the object will be stationary (still) or will be travelling at a constant speed. This is because the forces are <u>UNBALANCED</u> .	Balanced Unbalanced Resultant
	Unbalanced forces cause the objects motion to change e.g. accelerate or decelerate.	



