# Knowledge Organiser

Year 7 Term 2 2024/25



## Contents

English P.3-10 P.11-16 Literacy Maths P.17-22 Science P.23-33 History P.34-36 P.37-40 Geography P.41-47 Art R.E **P.48 Music** P.49-52 P.53-56 Drama P.57-59 Spanish French P.60-62 P.63-66 Food Preparation P.67-69 **Textiles** Resistant Materials P.70-73

#### English Year 7 Term 1 Travel and Literacy

Travel and Lit	teracy	
<ul> <li>Term Focus         <ul> <li>You will learn how to:                 <ul></ul></li></ul></li></ul>	produce pieces of travel writing nd forms. / skills.	
<ul> <li>Prior Learning Links</li> <li>Creative writing tasks will continue to develop the stamina to write at length.</li> <li>Revisit and practise the correct use of spelling, punctuation, and grammar.</li> <li>Development of vocabulary, building systematically on pupils' current knowledge.</li> <li>Increase pupils' vocabulary store make connections between known and new vocabulary; discuss the meaning of similar words.</li> <li>Read fluently and with good understanding of the texts.</li> </ul>	<ul> <li>Future Learning Links</li> <li>Reading a variety of fiction and non-fiction texts will spiral into Year 8 schemes and reading of more challenging fiction and non-fiction texts.</li> <li>Creative writing skills will spiral into Year 8 learning.</li> <li>Develop pupils' reading and writing in all subjects to support their acquisition of knowledge.</li> <li>Pupils' command of vocabulary is the key to their learning and progress across the whole curriculum</li> </ul>	Prior and future learning links are underpinned by the National Curriculum guidance.

KEY VOCABULARY	
KEY WORDS	KEY SUBJECT TERMINOLOGY
<b>Travel Writing</b> : a person writes about their experiences of places they visit	<b>Skim:</b> means to look for important information without reading the whole text; a speed read.
<b>Humour:</b> the quality of being amusing or funny – try to include humour in your writing.	<b>Scan:</b> means reading to pick out information such as the cost of a hotel room.
<b>Brochure:</b> a booklet that has the texture of a magazine – people look in brochures to find holidays.	<b>First person:</b> a type of writing in which uses the personal pronoun: "I". A personal, intimate account creating a connection between the reader and writer.
<b>Blog:</b> a personal piece of writing about a topic, usually found online. And written in an informal or conversational style.	<b>Autobiography:</b> an account of a person's life written by that person
Monolith: a large block of stone	<b>Biography:</b> an account of someone's life written by someone else
Innocuous: not harmful or offensive	<b>Opinion:</b> a personal view or judgement formed about something.
Obliterate: destroy, wipe out	Fact: something that is known or proved to be true

<b>Thesaurus:</b> a reference book that will help you find alternative words with similar meanings. We use the yellow Oxford edition.	<b>Genre:</b> a style or category of art, music, or literature
<b>Sombre</b> : dark or dull in colour; a feeling of deep seriousness and sadness	<b>Implicit:</b> suggested but not directly expressed. Look for the hidden meaning.
<b>Dispirited:</b> Feeling unhappy and without hope or enthusiasm	<b>Explicit:</b> stated clearly and in detail, leaving no room for confusion or doubt

1. What are Red extended complex sentences?	Amber	Green
Complex sentences can have n	nore than one subordinate clause.	
First subordinate clause.	Notice that the punctuation rule regarding commas doesn't change! nenacingly up his leg, the man la g would be deadly.	Simple Sentence

Examples of subordinating conjunctions:

- after
- as
- whenever
- although
- since
- if
- because
- while
- even though

Word Class	Definition	
Common Noun	Common nouns are the names of things that you can touch and see.	
Proper Noun	A proper noun is the name of a particular person, place or thing, and always begins with a capital letter.	
Abstract Noun	Ideas, concepts, emotions, and other "things" you can't physically interact with.	
Collective Noun	Words to describe groups of things.	
Compound Noun	Nouns made up of more than one word.	
Pronoun	A word that takes the place of a noun in the sentence.	
Verbs	Verbs are 'doing words'. A verb can express: • A physical action • A mental action • A state of being	
Adjectives	A word that describes a noun.	
Adverbs	A word that gives more information about a verb, adjective or another adverb.	
Prepositions	A word that describes the position of something, the time it happened or the way it is done.	
Conjunctions	A word that connects, phrases or sentences.	
Determiners	A word that introduces a noun.	

2	2. <u>What is</u> <u>GOMASSIVE</u> <u>and how</u> <u>does it help</u> <u>in creative</u> <u>writing?</u>	Red	Amber	Green
				0

Group of three: cold, dark and gloomy

Onomatopoeia: snap, pop, crackle

Metaphor: She is a wave, wild and fierce.

Alliteration: crystal clear

**Simile**: Superman's cape is red like blood.

Senses: I could feel the scorching sun burning my delicate skin.

Imagery: The azure ocean was speckled with drops of emerald green

**Vocabulary:** 'petrifying' is better than 'scary'

**Emotive language**: The poor defenceless fox is cowering in fear.

#### Bonus language techniques!

Sibilance: the repetition of 's' in a sequence of words. The sea sighed in despair.

**Personification:** describing objects as if they are people. The rain **stomped** angrily on the fragile roof like a grumpy giant. The snow **painted** delicate white pictures on the ground as it fell gently from the sky

**Pathetic fallacy:** giving human feelings to something non-human. *A friendly sun shone down brightly on the party guests as they arrived in the garden* 

3. <u>How do you</u> <u>plan a</u> <u>descriptive</u> <u>writing</u> <u>response?</u>	Amber	Green
<ol> <li>Look carefully at the ima bottom – this is your pat <i>finish?</i></li> <li>Find three-four nouns th <i>trees</i>.</li> </ol>	thway. Where will you star	rt and where will you
3. Write down the nouns y front of you, label them Page 5 of 73	on the image.	If you have the image in
4. Create a mind map for e	each of the nouns.	

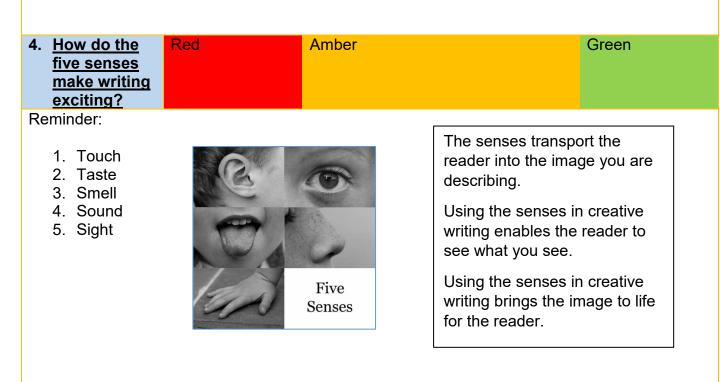
\_ ....











5. <u>How can</u> verbs be powerful in writing?	Amber	Green
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Verbs are actions/doing words.

- $\checkmark$  **Tense:** the form a verb takes to show the time it/something happened.
- Past tense: to talk about the past
- Present tense: to talk about the present
- Future tense: to talk about the future

Reminder: PAF

#### Purpose

The purpose is to ask why a person would read this piece of writing and what its goal or aim is.

- Informative writing gives facts or directions. Example: forest trail guide
- Persuasive writing that gives the reader an opinion and tries to convince them that it is correct. Example: a holiday brochure

• Descriptive writing that gives a clear and vivid picture of a person, place, thing or event. Example: a journal or blog.

#### <u>Audience</u>

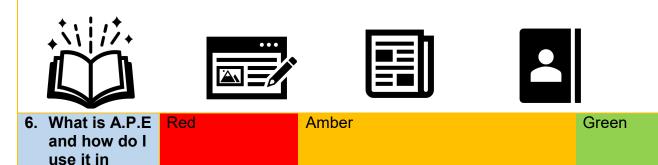
The audience means who would read it and who it is aimed at. For example:

- Couples
- Families
- Solo travelers

#### <u>Form</u>

The form refers to the type of text

For example, a book, a brochure, a leaflet, a newspaper, or something else?



A: what is the **answer** to the question you've been asked?

P: prove your answer with a quotation.

E: **explain** why that quote helped you answer the question. Refer to any techniques, key words, reader feelings.

#### Evidence:

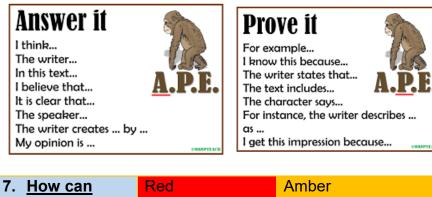
paragraphs?

a piece of the text that has been copied and is surrounded by quotation marks.

When you are given a text in English and then asked a question based on the text, you will be expected to prove your ideas with evidence.

#### **Quotations:**

A quotation mark looks like two **apostrophes** together and is always written in pairs (" ...... ") Quotation marks are used to show the **exact** words you have borrowed to prove your answer to the question.





This implies... This suggests that... This means that... This makes you realise... This creates a sense of... This makes the reader think/feel... This can be interpreted as... The effect of this is...



Y. How can similes and metaphors bring a scene to\_life? of 73 Green

#### What is a simile?

A simile describes something by **comparing** it to something else using like or as:

- The snake moved like a ripple on a pond.
- It was as green as a lizard.
- Jess is as graceful as a gazelle.

#### What is a metaphor?

A metaphor is a word, or a phrase used to **describe something as if it were something else.** For example:

• A wave of terror washed over him.

- The terror isn't a wave; however, a wave is a good way of describing the feeling of fear.
- Jess is dynamite.

She's not made of dynamite; however, this creates the idea that Jess is really exciting and lively.

(Examples from BBC Bitesize)

What metaphors and similes do you know?

Can you include metaphors and similes in your own creative writing?

8. What makes	Red	Amber	Green
	1 to a		Croon
a lively first-			
person			
account?			
abbount			

<u>First person:</u> a type of narrative in which the protagonist relates their story using the first person, i.e. using the pronoun 'l'.

Why do we use the First-person in travel writing?

- It helps create a relationship between speaker and reader.
- It helps the reader understand the writer's feelings as he passes through the forest.
- It is a personal, intimate account of a person's travel experience the reader can also feel like they are experiencing this too!

9. What makes	Red	Amber	Green
<u>paragraphing</u>			
<u>effective in a</u>			
description?			

Paragraphs contain a collection of sentences – paragraphs help structure your writing.

Paragraphs are used in writing to introduce new sections – remember to Tip Top your paragraphs.

Using paragraphs can help the reader to enjoy what has been written because the text is broken up into sections.

Paragraphs can help the reader to focus on a specific part of the text. Page 8 of 73

#### Remember to TIP TOP your paragraphs!

- **TIME**: you move to a new time.
- **PLACE:** you shift to a different place or location
- **TOPIC**: you move from one topic to another
- **PERSON**: you bring a new person into your writing or change from one person or another. Remember dialogue between two characters needs a new line each time.

#### 10. What is atmosphere in writing?

Atmosphere means the tone and mood of a place or situation.

Atmosphere in writing refers to the feelings and emotions the writer brings into the text.

The atmosphere can make the reader feel a certain way. For example, happy, sad, or frightened.

Atmosphere is created through description using setting, imagery, and GOMASSIVE techniques.

#### 11. What is pathetic fallacy?

Pathetic fallacy is a technique that gives **human emotions** to nature or objects, such as angry storms or smiling flowers.

#### Weather and seasons

Pathetic fallacy is often used to describe the environment. The weather and season can be described with human emotions to reflect the mood of a character or create a tone.

- The raindrops wept all around her.
- A friendly sun shone down brightly on the children playing in the park.
- The weather is unhappy outside.

Warning: don't mix up pathetic fallacy with personification.

- Pathetic fallacy is *always* about giving emotions to something non-human.
- Personification is giving *any* human attribute to an object. For example: The trees waved in the breeze.

#### 12. What is the effect of powerful vocabulary?

Synonyms: words with a similar or the same meaning.

We should always try to aim for ambitious and powerful vocabulary in our creative writing.

For example:

- I ate a nice piece of cake at lunchtime.
- I ate a scrumptious piece of cake at lunchtime.



Remember you can use a Thesaurus to find synonyms to help you aim for powerful and ambitious vocabulary.

#### Introduction:

Include the **TITLE, AUTHOR, GENRE** and then make a **LINK** to the question. Your link simply answers the question briefly. Remember **TAGL!** 

#### A.P.E paragraphs x 3

#### Conclusion:

Finish with your final thoughts on how the writer feels about their experience but avoid repeating anything you have already said.

#### **Exemplar Introduction**

In the travel blog, 'Avoid the Terror of the Myanmar Overnight Train' by Julian Lee, he seems bewildered and shocked by the conditions of the train, which altogether leads to a rather uncomfortable experience.

#### Exemplar paragraph

The writer sounds like he is finding it difficult to endure the temperature on the train. He describes the train as, "a steamy tin can," which tells the reader the level of heat is quite unbearable. The metaphor also suggests that he feels he is trapped in a tiny space with little ventilation. In particular, the adjective "steamy" leaves us wondering if he finds the train comparable to a sauna – sticky and humid.

In conclusion, Lee presents a journey which is both humorous and baffling for him. There is no doubt that he does not wish to repeat the journey again.

#### Thinking point

- 1. What should come at the **beginning** of an essay and what should it include?
- 2. What should come in the **middle** of an essay?

HOME LEARNING TASKS	
Task Description	Done?
Reading of your library book approx. 15-20 minutes per	
day.	
Complete your Accelerated Reader quiz	
Literacy tasks set for homework	
Learn your weekly spellings for the quiz	
Knowledge organiser revision for class quiz – revise the	
sections advised by your teacher.	

#### Literacy Knowledge Organiser

Term Focus Year 7 and 8 -all schemes of learning The literacy knowledge organiser is an important tool for students to enhance their learning across the curriculum in all subjects.		

#### 1. Punctuation

**Full stops:** remember to use a full stop at the end of every sentence.

#### **Capital Letters:**

- The first word of a sentence always has a capital letter.
- The names of people: John, Sarah, Harry.
- The names of places: California, New York, France.

#### Apostrophes to show contraction:

You use apostrophes to show you have left out some letters when joining words together. Contractions can make your writing more informal: Do + Not = Don't. Will + Not = Won't.

**Red Amber Green** 

#### Apostrophes to show possession:

Apostrophes can be used to show that something belongs to someone.

- When the noun is singular:
- **Sam's** book (the book belongs to Sam)
- Nicola's football (the football belongs to Nicola)
- When the noun is **plural**: The **girls**' pencils (the pencils belong to the girls)
  Page 11 of 73

Exclamation marks: used to end a sentence to show a strong feeling of emotion like surprise, anger, or shock. For, example: I'm so frightened! **Ellipses:** used to show an omission of words, a pause in thought or to create suspense. For

example: Suddenly, there it was ... his worst nightmare.

**Colons:** used to precede lists or explanations.

- I went to the store and bought a lot of fruit: peaches, apples, oranges and pears.
- Sarah wrote a story: The Hungry Fish.

Semi Colons: used to join two related independent clauses.

• We made too many mistakes; we lost the game.

Also, use a **semi-colon** instead of a comma, usually in a list.

• You will need many backpacking items: a sleeping bag; torch; tent; and pillow.

**Hyphens:** you can use hyphens for several reasons.

- To separate sentences with added information: I enjoy English as well as Maths.
- To indicate periods of time: **2000-2006**.
- To form hyphenated words: self-respect.
- To create emphasis: Mum loves seafood she absolutely adores seafood.

Brackets: use brackets to indicate added information. The sentence should still make sense when removed.

I did my homework, (it took me twenty minutes) and brought it in early.

#### 2. Comma Rules

Red Amber Green

- Use a comma before a conjunction, (and, but, nor, yet, or so), to connect two independent clauses. I had an English test last night, so I revised.
- Use a comma to set off an opening phrase. As such, I feel there is much I can learn.
- Use a comma when using quotes to separate the quote from the rest of the sentence. Like Mary Radmacher said, "As we work to create light for others, we naturally light our own way".
- Use a comma to separate adjectives in a descriptive list. The pizza was hot, delicious and freshly cooked.
- Use a comma to separate three or more things in a series. Of Charles Dickens' novels, I have read A Christmas Carol, Oliver Twist, and Great Expectations.

- Use a comma with phrases that present a contrast. Learning about Shakespeare can be beneficial for students, not only in their secondary school studies, but also in their future careers.
- Use a comma to add <u>extra information</u> that can be taken out without changing the meaning of the sentence.
   My sister Mary, who is a doctor, lives in London.

3. Sentence Structure
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**Red** Amber Green

- Independent Clause: A clause that can stand alone as a sentence.
   The cat sat on the mat. Contains a subject and a verb.
- Subordinate Clause: A clause that depends on an independent clause to make sense. Without turning around, the cat sat on the mat.
- **Simple Sentence**: Contains just one clause (subject + verb) **Tom went to the shops.**
- Compound Sentence: Independent Clause + Conjunction (FANBOYS) + Independent Clause (For, And, Nor, But, Yet, So)
   Tom went to the shops and he bought some bread.
- **Complex Sentence:** Contains one main clause and one or more subordinate clauses/s. Although it looked difficult, they still pushed on with the challenge.
- Exclamatory: A sentence that shows great emotions. I am appalled by your behaviour!
- Imperative: A sentence that gives commands. Get out!
- Interrogative: A sentence that asks a question (not rhetorical questions). How much is that dress in the window?
- **Declarative**: A sentence that makes a declaration. She sells seashells.

#### 4. Paragraphs

Red Amber Green

Texts of any length and written in continuous prose are usually divided into paragraphs. Paragraphs are a useful way of helping the reader through a text.

In your writing when you start a new paragraph remember to leave a line to ensure your paragraphs are clear.

#### Remember to TIP TOP your paragraphs!

- **TIME**: you move to a new time.
- **PLACE:** you shift to a different place or location
- **TOPIC**: you move from one topic to another
- **PERSON**: you bring a new person into your writing or change from one person or another. Remember dialogue between two characters needs a new line each time.

In your writing aim to vary your sentence openings to make your writing more interesting for the reader.

<u>Opener</u>	<b>Definition</b>	Examples
Prepositional phrase	Describes the relationship	Under
	between nouns	Beside
		Below
Adverbs	Adverbs modify adjectives	Happily (adjective +ly)
	and verbs	He ate (verb) his breakfast
		quickly.
Action words ending in -ed or	Verbs with an -ed or -ing	Played
-ing	ending	Playing
Transitional words	Tell time, sequence,	Since
	cause/effect, closing	Immediately
Very short sentences	Sentences with 2-5 words	We jumped!
		It was scary.

#### 6. <u>Homophones</u>

Homophones are words that sound the same but have different meanings.

- Their means it belongs to them.
- I ate their sweets.
- **They're** short for they are.
- They are going to be cross.
- There refers to a place.
- I'm going to hide over there.
- Your: refers to something that belongs to you.
- Your bag.
- You're: a contraction of 'you are.'
- You're going to win.

#### 7. Spellings

#### Commonly misspelled words:

- Believe
- Experience
- Necessary
- Successful
- Environment
- Immediate
- Achieve

- Definitely
- Separate
- Occurrence
- Embarrass
- Receive
- Beginning
- Argument

they<sup>a</sup>re

the†r

there

**Red** Amber Green

Red Amber Green

Red Amber Green

#### The / before E rule:

- Remember: I before E, except after C.
- Examples: believe, receive, piece.

#### Silent Letters:

Be aware of silent letters in words like, knight, gnome, and doubt.

#### Spelling tips

- 1. **Read Aloud**: try to pronounce the words as you read them to catch any spelling errors.
- 2. Break Words Down: Divide complex words into syllable sounds for easier spelling.
- 3. Use Mnemonics: Create memory aids. For example:
- Big •
- Elephants
- Can •

•

- Always •
- Understand Small
  - BECAUSE
- Elephants. •
- 4. Learn Common Patterns: Understand rules like I before E and silent letters.
- 5. **Practice**: Regularly write and review words to reinforce correct spelling.
- 6. Proofread: Always check your work for mistakes.

#### 8. Word Classes

**Red** Amber Green

#### Common Noun

Words for types of things, people, and places: dog, chair, city.

#### **Proper Noun**

The name of a specific person place or thing: France, Jane, London.

#### Abstract Noun

The name of an idea, feeling, quality or state: love, truth, danger.

#### Pronoun

Used instead of a name or names: they, it, her.

#### Verb

An action or a 'doing' word: run, jump, swim.

#### Adjective

Describes the noun: brave, tall, lumpy.

#### Adverb

Tells us how something is done: slowly, bravely, and very.

#### Preposition

Shows direction, time, place, location: in, at, on.

#### Conjunction

A connecting or joining word: for, and, nor, but, yet, so Page 15 of 73

#### 9. Tenses

#### **Present tense**

**Red Amber Green** 

Something that is happening now.

#### Past tense

Something that has happened in the past.

#### Past progressive

Used to describe an ongoing activity in the past. My teacher was eating chocolate.

#### Present progressive

Used to describe an action that is currently happening. We are running.

#### **Present perfect**

Used when talking about experiences from the past, a change or situation that has happened in the past and is continuing today. She has lived here all her life.

#### Past perfect

Used to talk about actions and events that were completed at a specific point in the past. I had written the email on Monday morning.

10. Root words and word families	Red	Amber	Green
<b>Root words</b> are the core parts of words that carry the main meaning.			

Root words form the foundation from which other words are built. A root word can stand alone as a word. For example: act. However, some root words may need affixes to become a complete word. For example: bio.

Word families are groups of words that share the same root word and have related meanings.

#### Examples

- Act: relates to doing or performing. Action, Actor, Activate.
- Bio: means life. Biography, Biology, Biosphere
- Geo: means earth. Geography, Geometry, Geology

References:

Oxford A-Z of Grammar and Punctuation.

BBC Bitesize

### Maths Year 7 Term 2 - Expressions, functions and formulae

	a	$\frac{3\sqrt{3}}{2} + \frac{\sqrt{2}}{3} = 5 + 5$						
<b>TERM FOCUS</b>	$\frac{2}{6}$ $\frac{3}{9\sqrt{3}+2\sqrt{2}}$							
What is 'Alge		SHIFT ALPHA SET-UP						
What is mean		MODE ON						
	How can we represent the world we live in with graphs and charts?							
Prior Learning				earning Links		X <sup>-1</sup> X <sup>3</sup> Image: second sec		
<ul> <li>Multiply</li> </ul>	/ multi-digits number	rs up to 4 digits	• F	actorising algebra	aic terms	A 4°''' B C sin' D cos' E tan' F (-) °''' hyp sin cos tan		
	n mental calculations me knowledge of the	e order of operations.		Expanding bracket grouping like term		NO         No<		
	•	d subtraction problems	-	Solving linear equa		$\begin{array}{c c} 4 & 5 & 6 \\ \end{array} \xrightarrow{nPr} & \xrightarrow{nCr} \end{array}$		
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				and tables	onigraphs	0 • EXP Ans =		
	()							
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2 x 3 = 6	3 x 3 = 9	4 x 3 = 12	5 x 3 = 15	6 x 3 = 18	7 x 3 = 21	8 x 3 = 24		
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2 x 10 = 20	3 x 10 = 30	4 x 10 = 40	5 x 10 = 50	6 x 10 = 60	7 x 10 = 70	8 x 10 = 80		
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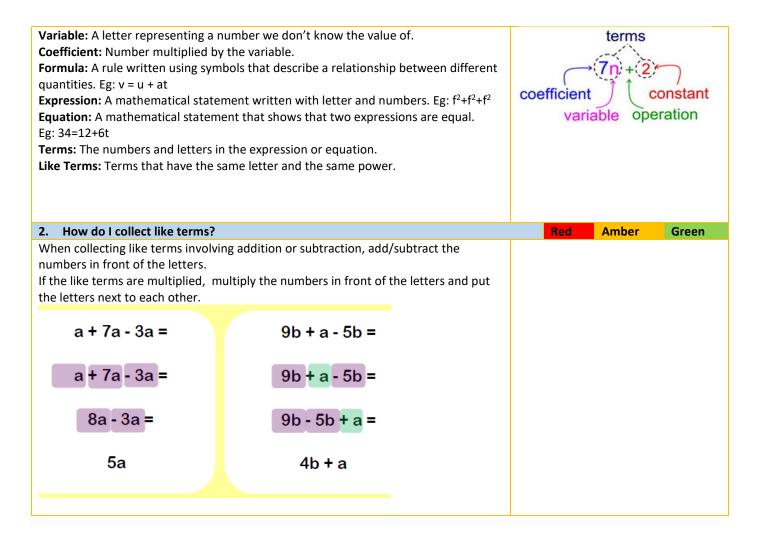
Literacy In Maths	Command Words
Evaluate	Work out and write your answer
Work out	Working out is required
Calculate	Working out is required. A calculator may be needed.
Solve	Work out the values
Prove	All working must be shown in steps to link reasons and values.
Expand	Multiply out of the brackets
Draw	Draw accurately with a pencil and equipment.
Explain	Use words to give reasons
Factorise	The reverse process of expanding brackets. Remove the HCF.
Estimate	Work out an approximate answer using rounded values.

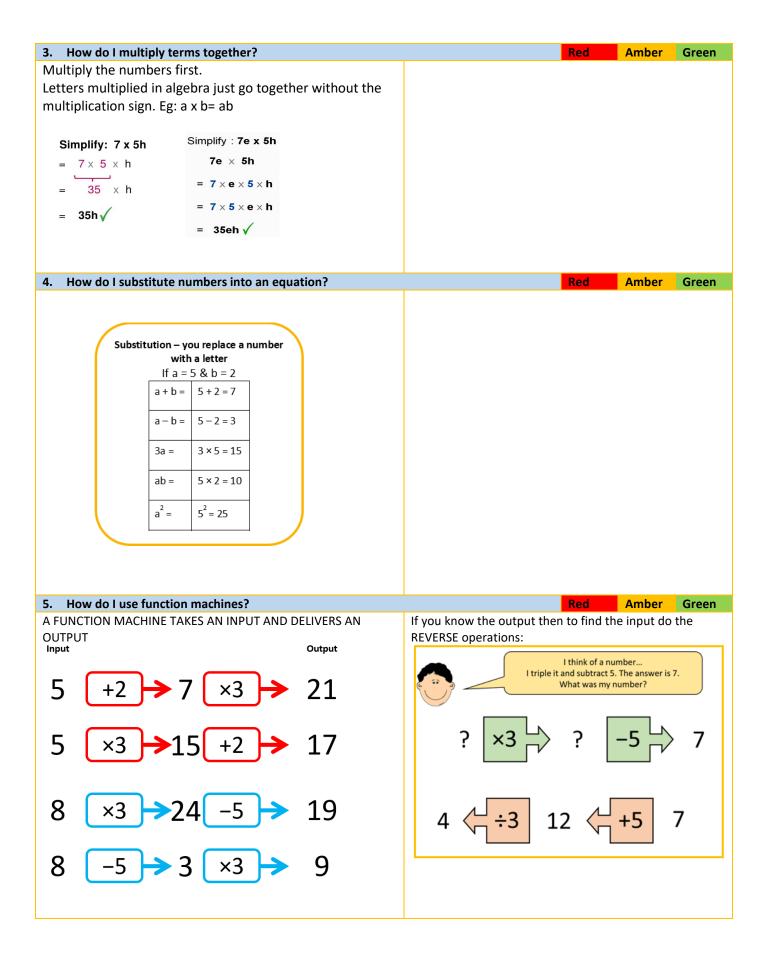
AURORA AX-595TV

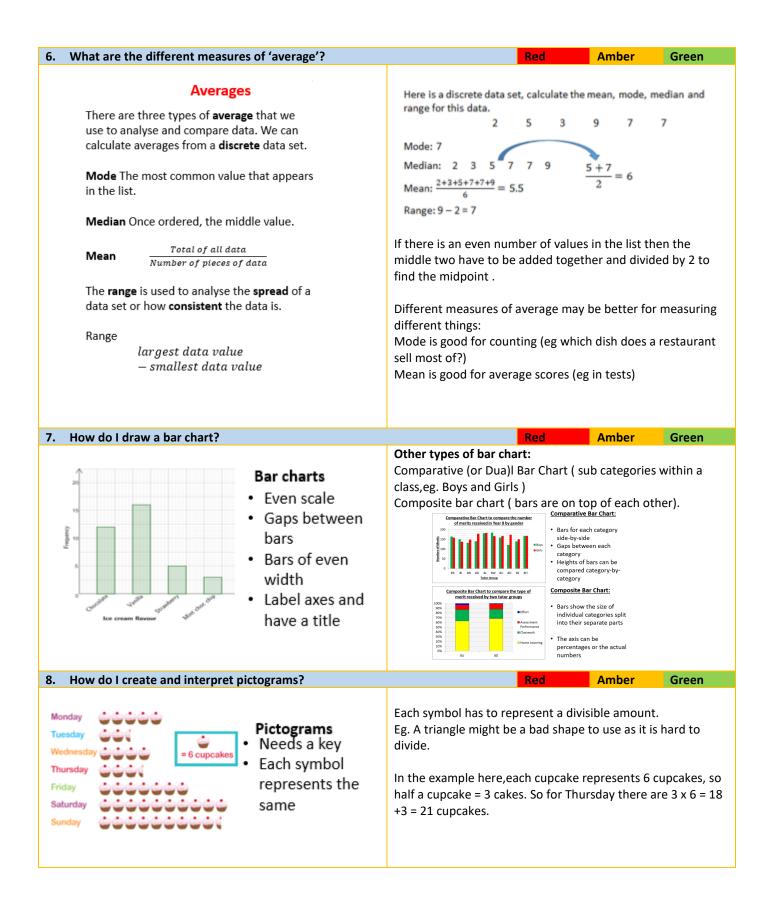
TrueView Display

	Top 10 Key Words	Examples
Integer	A whole number	0, 5, 203, -4
Factor	A number that divides into another number exactly,	Factors of 20: 1 & 20,
	without leaving a remainder	2&10,4&5
Multiple	The result of multiplying whole numbers. Multiples	Multiples of 5 are 5, 10,
	belong in the number's times table.	15, 20, 25,
Product	The result you get when you multiply	The product of 3 and 4
		is 12
Percentage	Number of parts per 100	35% is 35 out of
-		every 100.
Fraction	Part of a whole number. A fraction represents a division.	1/2 , 3/4, 7/8
Numerator	The top number in a fraction	
Denominator	The bottom number in a fraction	
Negative	A quantity below zero	-4, -1.5, -34
Estimate	Work out an approximate answer	

Number Groups							
Prime numbers	2, 3, 5, 7, 11, 13, 17	Prime numbers have <b>exactly two factors</b> , themselves and 1.					
Square numbers	1, 4, 9, 16, 25, 36, 49	Square numbers are the product of two identical numbers.					
Cube numbers	1, 8, 27, 64, 125, 216, 343	Cube numbers are the product of three identical numbers.					
Odd numbers	1, 3, 5, 7, 9, 11, 13, 15,	Odd numbers are whole numbers that cannot be divided exactly into two.					
Even numbers	2, 4, 6, 8, 10, 12, 14	Even numbers are whole numbers that can be divided exactly into two.					
Triangle numbers	1, 3, 6, 10, 15, 21, 28	Triangle numbers can be <b>represented as a</b> t <b>riangle of dots.</b>					







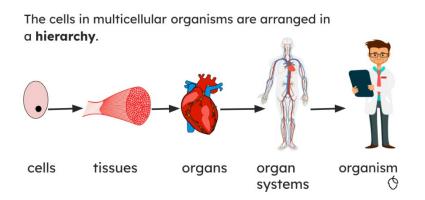
Cold Red Blue Whit	i e ite	++++ ++++ ++++	    	++        ++ ++++    ++	9 • Ta 9 • F • 24 • F	<b>ly charts</b> ally lines ir requency = ow many t narks	=	Tally charts are a useful way to collect initial data and group it into classes. It can then be used to create bar charts or pictograms.
). На	ow d	lo I c	reat	te group	ed frequenc	v tables from	a list of data	Red Amber Green
Put t 22 24		ata int 18 26		-	s of his flowers a equency table. Height, h (cm) $0 < h \le 10$ $10 < h \le 20$ $20 < h \le 30$	Tally           	Total 3 6 9	Key points: Make sure classes do not overlap
7	30	21	17	28	$30 < h \leqslant 40$		2	
L. Ho		drav	Net	Ne graph		Join up	ale each o the next	Red Amber Green Time always goes along the horizontal axis Read values from the graph using a ruler. Remember that values between data points are only estimates A line graph shows changes over time. We can Alter a the temperature at 09:30 23°C B) What temperature might we expect at 1 pm? The graph shows a trend of temperature data. Of the graph shows a trend of temperature data. The graph shows a trend of temperature data.

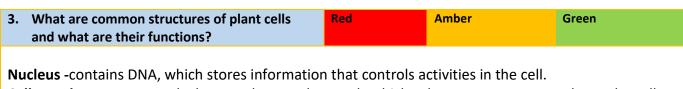
12. How c	lo we compare data?		Red	Amber	Green
To compar range.	re data we use the different averages and also the	The ages of recorded as	two five-a-side	e teams are	
Median:	<b>Definitions</b> The <b>MIDDLE</b> value in an <b>ORDERED</b> set of data	Rovers: United:	27, 23, 32, 21 28, 27, 25, 29	9,27	
Mean:	The <b>arithmetic</b> AVERAGE of a set of data	Compare the mode, medi the ages for each team.		ROVERS : MODE 2 RANGE UNITED : MODE RANGE	= 11 27 MEDIAN 27
Mode:	The value in a set of data that appears <b>MOST</b> often				IGHER MODE , I & SMALLER RANGE
Range:	The <b>difference</b> between the <b>highest</b> and <b>lowest</b> values in a set of data	A smaller ran	ige = more co	nsistent data	
HOME LEA	RNING TASKS				
Task Descr	iption				Done?
Algebrai	c terminology N	1830			
Simplifyi	ng expressions containing a single variable N	1795			
Function	machines with numbers	1175			
Finding a	averages from frequency tables M	127			
		1411			

#### Science Year 7 Block 3 – **Cells including mitosis** TERM FOCUS – Cells including mitosis Big Ideas – How and why are animal and plant cells different? **Prior Learning Links** Future Learning Links KS2 – Animals including humans KS3 – Variation and KS2 – Evolution and inheritance genetics KS4 Biology – Genetic variation KS4 Biology – Uses of stem A The Ab cells KS5 Biology – Genetics and inheritance

1. What are the common processes of all livin organisms?	g Re	d	Amber	Green
Common processes happen in all living organisms. All living organisms are made from other living organisms when they reproduce. Living organisms move themselves to achieve things including to support their survival. The 7 life processes happen to all living organisms at some stage in their life cycle.	These   • Mov • Rep • Sen • Gro • Res • Excl • Nut	processes inclu rement roduction sitivity		e same processes.
2. How are multicellular organisms organised	? Re	d	Amber	Green

Multicellular **organisms** are made of structures arranged in a **hierarchy**, where **cells** are the smallest unit. Organ systems work together in an organism. Organ systems are made up of organs. The circulatory system is an example of an organ system. Each organ carries out a particular function and is made of different tissues. The heart is an example of an organ. Tissues are made of cells working together. Cardiac muscle is an example of a tissue.



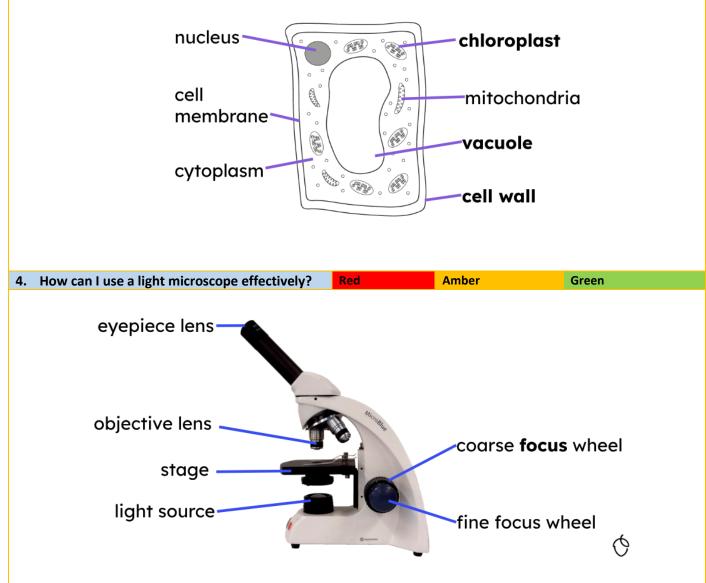


**Cell membrane** - surrounds the cytoplasm and controls which substances can enter or leave the cell **Cell wall** - is made of fibres which strengthen the cell but allow substances to pass through. **Cytoplasm** - jelly-like substance that fills the cell, and where all of the cell's reactions take place

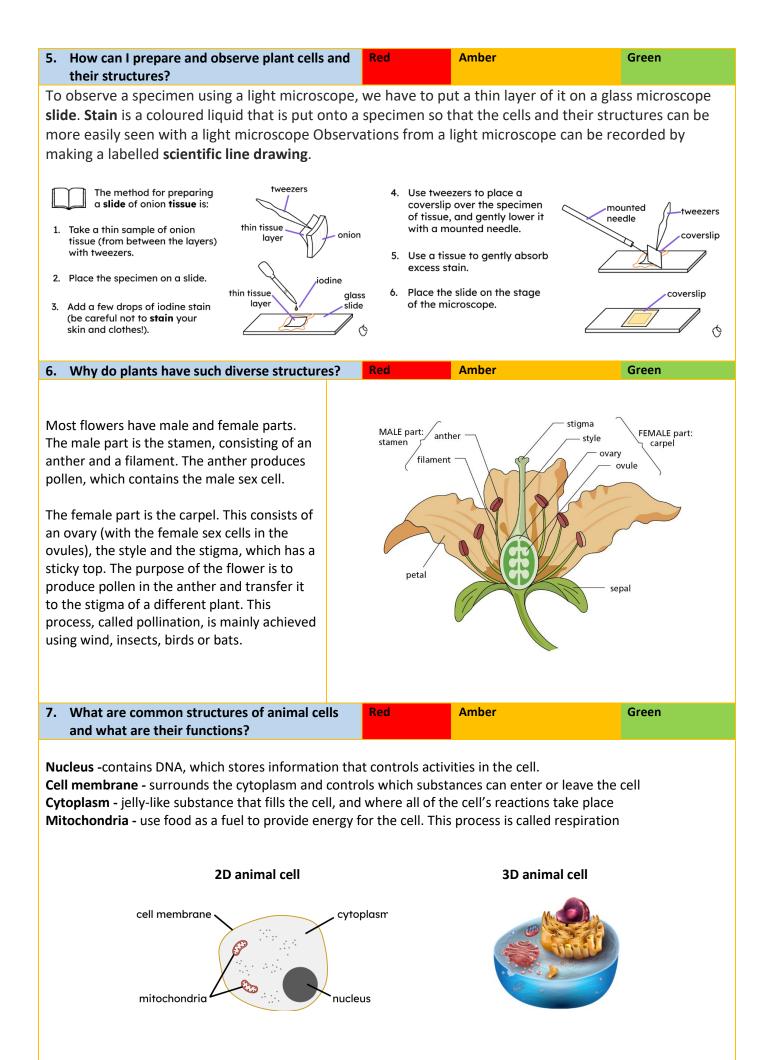
**Chloroplast** - are green, and trap light to enable the plant to make its own food.

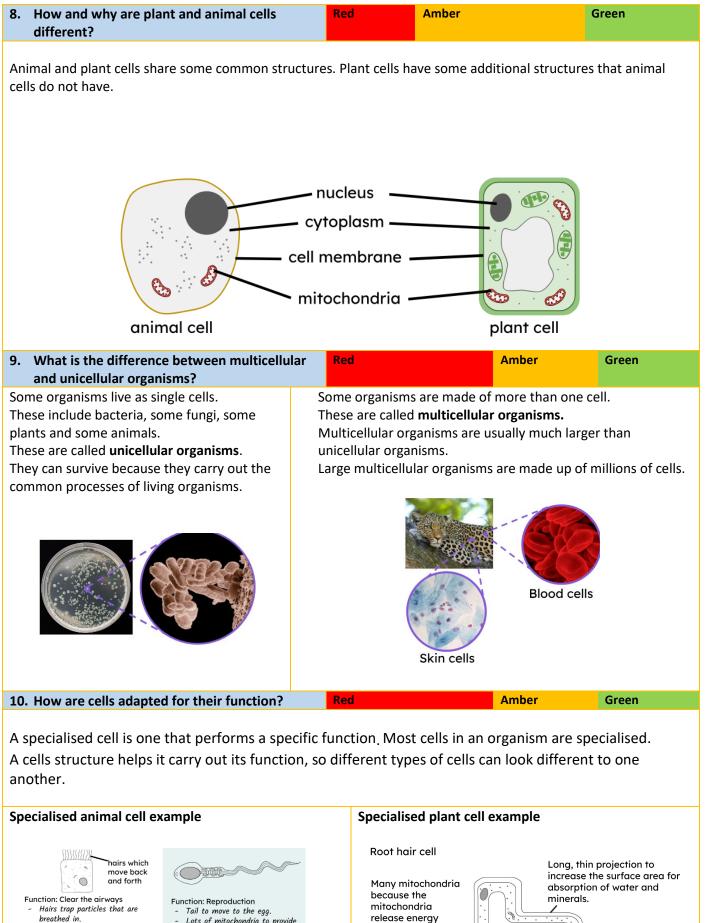
Mitochondria - use food as a fuel to provide energy for the cell. This process is called respiration Vacuole - contains watery sap which, when full, keeps the cell firm.

Cell wall - contains watery sap which, when full, keeps the cell firm.



- 1. Turn the objective lens to the lowest magnification.
- 2. Place the slide on the stage under the clips.
- 3. Turn on the light source.
- 4. Looking from the side, turn the coarse focus wheel to move the stage up so it is close to the objective lens.
- 5. Looking into the eyepiece, turn the coarse focus wheel to bring your specimen into focus.
- 6. Turn the fine focus wheel to make the image clearer.
- 7. The **magnification** can be increased by changing to a higher power objective lens.





needed for active

transport of minerals from the

soil.

8

Large vacuole to store as

much water as possible.

- Hairs trap particles that are breathed in. Hairs brush the particles back up
- the airways, away from the lungs. Mitochondria provide energy for hairs to move.
- Tail to move to the egg. Lots of mitochondria to provide energy to move the tail. A nucleus to pass on DNA.

#### Page 26 of 73

#### 11. What is the process of cell division?

#### Amber

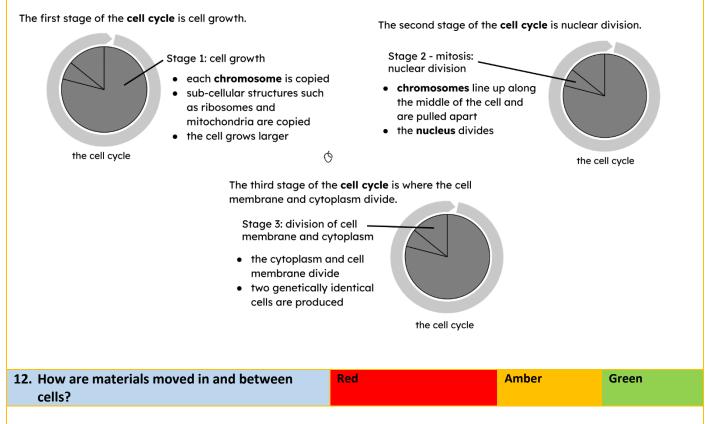
Green

Most multicellular organisms need to grow as part of their life cycle. Cell division in multicellular organisms is important for two reasons:

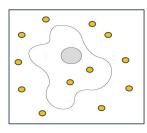
Red

- growth
- repair of damaged tissue

It is essential that new cells are genetically identical to the original cell that is dividing. A growing and dividing cell goes through a set of specific stages called the **cell cycle**.

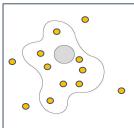


**Diffusion** is a process by which substances move from an area of high concentration to one of low concentration. Diffusion is the **net** movement of **particles** from an area of high **concentration** to an area of low **concentration**. Diffusion continues to happen until, eventually, an equilibrium is reached. Diffusion allows substances to move in or out of cells



In this diagram, there is a higher concentration of particles **outside** the cell compared to inside the cell.

If the particles can move through the membrane, there will be net movement of particles **into** the cell until the concentration is equal both inside and outside the cell.



In this diagram, there is a higher concentration of particles **inside** the cell compared to outside the cell. If the particles can move through the membrane, there will be net movement of particles **out of** the cell until the concentration is equal both inside and outside the cell.

The steeper the concentration gradient, the higher the rate of diffusion. The steeper the concentration gradient, the more particles will move in the direction of the lowest concentration.

HOME LEARNING TASKS	
Task Description	Done?
1.Engage with the animal and plant cell content on BBC bitesize to compliment your classroom learning.	
2.Further your learning after your onion cell practical using the practical simulation accessible using the QR code.	

3.Make a model of a plant or an animal cell including labels. You could use any medium to create it. Email or show your teacher your model to earn house points.



4.Investigate how water travels through specialised plant cells by conducting an osmosis practical at home. Write up your experiment using the scientific method and give it to your teacher to earn house points.

-

#### Coloured Celery Science Experiment

#### Method 1. Pour some water into the glass.

- Add a few drops of food colouring to the water and stir to distribute the colour.
- 3. Cut 2cm off the bottom of the celery stalk and put the stalk into the glass of coloured water.
- Leave the glass and celery in a sunny spot for a couple of hours or overnight.
- 5. Observe the results.

You will need: Celery stalk with leaves Tall glass Water Food colouring Scissors



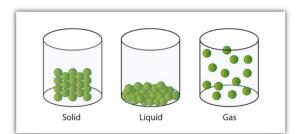
#### Science Year 7 Block 2 – Physical changes, states of matter, changing states and mixtures TERM FOCUS: Physical changes and states of matter Big Ideas: What physical changes take place in chemistry and how can we tell? **Prior Learning Links Future Learning Links** KS4 - Structure, bonding KS2 Science – Uses of everyday • • and the properties of matter materials KS4 – Chemical changes KS2 Science – States of matter 🔨 The Abb KS2 – Properties and changes of materials

#### 1. What model can we use to explain the properties of solids, liquids and gases? Red Amber Green

All particles are made up of matter.

All matter is broken up into 3 states. There are solid, liquid and gas. All substances can exist as these states, depending on their temperature, for example water is a solid below 0°C, a liquid from 0-100°C and a gas above 100°C. Below is a diagram of the 3 states of matter

Different states of matter have different properties. A property is a characteristic that is typical for that object. For example, some of the properties of good students are: organised, hardworking, bringing the correct equipment, being on time to lessons.



Property	Solid	Liquid	Gas
Does it have a fixed shape?			
Does it have a fixed volume?			
Can it be compressed?			
Can it flow?			

#### 2. How do solids, liquids and gases behave?

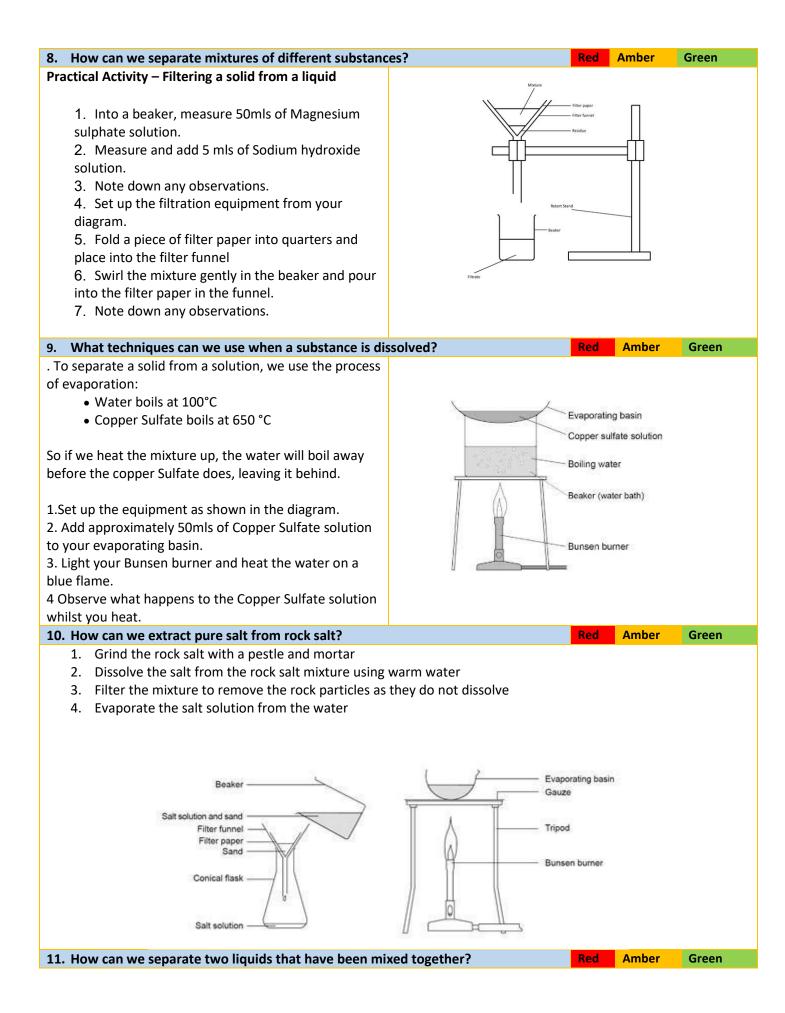
The properties of matter can be explained by knowing how the particles are arranged and how they move and behave (known as *kinetic theory*).

States	How are the particles arranged?	How do they move?	
Solid	<ul> <li>Particles are touching</li> <li>Particles are in neat rows</li> <li>Particles are held together by strong forces of attraction</li> </ul>	<ul> <li>Particles vibrate in fixed positions</li> </ul>	
Liquid	<ul> <li>Particles are touching</li> <li>Particles are randomly arranged</li> <li>Particles are held together by weak forces of attraction</li> </ul>	<ul> <li>Particles can move freely and slide past each other</li> </ul>	
Gas	<ul> <li>Particles are not touching</li> <li>Particles are spread apart randomly</li> <li>Particles have very weak forces of attraction so are not held together</li> </ul>	<ul> <li>Particles are moving very fast bouncing off each other and the container.</li> </ul>	
3. What happ	ens to change the state of a solid, liquid or g	gas? Red Amber G	Green
At different ten different state Page 29 o			

Amber Green

Red

Substances can change from one state of matter to another state of matter.	Energy and changing state Different states of matter have different amounts of energy.
4. What is density and why is it useful?	Red Amber Green
<b>Density</b> is a measure of how tightly the mass of an object is packed into the space it takes up. It can be calculated by dividing <b>mass</b> by <b>volume</b>	density = $\frac{\text{mass}}{\text{volume}}$
Objects with a higher density feel heavier for their size because more matter is packed into the same space. Density is different to mass. Mass is the amount of matter in an object.	g/cm <sup>3</sup> $\rho = \frac{m}{V}$ cm <sup>3</sup> or m <sup>3</sup> Kg/m <sup>3</sup>
5. What are the differences between physical and chen	nical changes? Red Amber Green
6. What else can we explain using the particle model?	Red Amber Green
7. What are the differences between substances, mate	rials and elements? <b>Red</b> Amber Green



The mixture of liquids is put into the round bottomed flask (A)

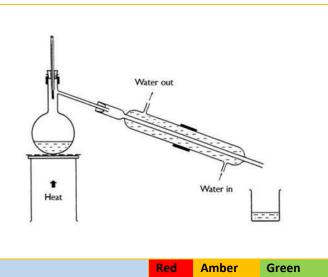
Heat is applied to make the mixture heat to boiling point (the lowest boiling point of the liquids in the mixture) (B)

The vapour travels upwards and out of the flask into the condenser. The temperature of the vapour is checked to ensure that the correct liquid is being evaporated (C)

The vapour is cooled in the Liebig Condenser and changes back into a liquid (D)

The separated liquid is collected in a beaker at the bottom (E).

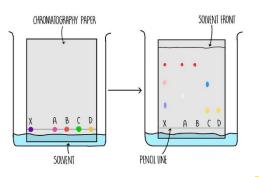
12. How can we tell which colours make up an ink?



Done?

Compare the inks in different felt tip pens to see their composition.

- 1. Draw a pencil line, 1cm from the bottom of the chromatography paper
- 2. Place a dot of each of the inks at least 1cm apart onto the pencil line
- 3. Fill a beaker with water to a depth of 0.5cm (must be less than the pencil line)
- 4. Place the chromatography paper into the beaker and let the solvent travel up the paper
- 5. Take the chromatogram out of the beaker when the solvent front is approximately 2cm from the top



#### HOME LEARNING TASKS

#### **Task Description**

1. Complete the Changes of State revision on BBC Bitesize:



2. Use the Phet Simulation suite to investigate how solids, liquids and gases behave.



3. Use the Phet Simulation suite to investigate density



4. Try one of the 'Density at home' practical from the Institute of Physics.



5. Answer the following questions:

What name did Democritus give the tiny units of matter? What were his 4 rules for atoms? Why do we talk about particles instead of atoms when explaining the states of matter? Describe the arrangement of particles in a solid Describe the arrangement of particles in a liquid Describe the arrangement of particles in a gas Describe the motion of particles in a solid, liquid and gas Fluids are substances that can flow and be poured. Which two states of matter are fluids?

#### History Year 7 Term 2 – Middle Ages: Political

In this unit, you will explore the political transformation of medieval England from 1066 to 1215. You will examine key events such as the Norman Conquest, the establishment of the feudal system, and the conflicts between the monarchy and the Church. You will analyse the reigns of William I, Henry II, and John I, focusing on how these monarchs shaped England's governance. Through this unit, you will evaluate historical evidence, assess different perspectives, and draw connections between events and to enhance your understanding how political power was contested and exercised in medieval England.



GCSE Pod https://members.gcsepod.com /shared/course/preview/20

#### Prior Learning Links

Year 7 Term 1: Historical Skills

#### Future Learning Links

- Year 7 Term 3: Middle Ages: Social
- Year 9 Term 1: Medieval Medicine
- Year 9 Term 5: Anglo-Saxon & Norman England

#### KEY VOCABULARY

Historical Skills Vocabulary	Middle Ages: Political Generic Vocabulary			
Cause – the reason for something happening	Conflict: A serious disagreement or argument,			
Change – when things are different to how they were	often a prolonged struggle.			
before	Dynasty: A series of rulers from the same family or			
Consequence – the result of something happening	lineage.			
<b>Continuity</b> – the opposite of change; when something stays	Government:			
the same or continues	Hierarchy: Organising people in society based on			
<b>Difference</b> – the ways in which things are different to one	their power or importance.			
another	Legitimacy: The quality of being legitimate, or			
Factor – something that can affect, or determine an event	lawful and accepted as rightful.			
or outcome	Monarchy: A form of government in which a single			
Inference - a conclusion drawn about something using the	individual, the monarch (a king or queen), holds			
information you already have about it	supreme authority and often inherits their position.			
<b>Rate of change</b> – the pace at which change occurs; e.g. very	Rebellion: An act of violent or open resistance to			
quickly or slowly	an established government or ruler.			
<b>Reliability</b> – the degree to which something can be trusted	<b>Reform:</b> The process of making changes to improve			
or relied upon as accurate	a system, organization, or institution, often in			
Significance – the importance of something	response to issues or corruption.			
Similarity – the quality of being similar, or the same	Succession: The process of inheriting a title, office,			
Trend – when there are a number of similar and related	or property, especially in a monarchy.			
changes continuing in the same direction over a period of	Tactics: The strategies and methods used to			
time	achieve a particular goal, especially in conflict or			
Turning point – a significant change happens – something	competition.			
that is different from what has happened before and which	Tyranny: A cruel or harsh and unfair government in			
will affect the future	which a person or small group of people have			
	power over everyone else.			
Middle Ages: Political Specific Vocabulary				

#### Middle Ages: Political Specific Vocabulary

- 1. **Battle of Hastings:** The 1066 battle in which William the Conqueror defeated King Harold II, leading to the Norman conquest of England.
- 2. Barons: High-ranking nobles who held land from the king and were often key figures in medieval politics.
- 3. **Bayeux Tapestry:** An embroidered cloth depicting the events leading up to the Norman conquest of England and the Battle of Hastings.
- 4. **Domesday Book:** A comprehensive record of the landholdings and resources of England commissioned by William the Conqueror in 1086.
- 5. **Feudal System:** The hierarchical system of land ownership and duties in medieval England, where lords granted land to vassals in exchange for military service.
- 6. **Henry II:** King of England (1154–1189), known for his legal reforms and conflicts with the Church, including the murder of Thomas Becket.

- 7. **Magna Carta:** The 1215 document signed by King John that limited the powers of the monarchy and established certain legal rights.
- 8. **Motte & Bailey:** An early form of castle, brought to England by William I. Set up on the south-coast initially to build a power base prior to the Battle of Hastings, William ordered the building of many hundreds of castles across England as a sign of his control and domination of England.
- 9. **Norman Conquest:** The invasion and occupation of England by the Normans, led by William the Conqueror, starting in 1066.
- 10. **Regent:** A person appointed to govern a country or kingdom in the absence or minority of the sovereign.
- 11. **Robert Curthose:** The eldest son of William the Conqueror, known for his rebellion against his brother William II and his role in the First Crusade.
- 12. **Thomas Becket**: Archbishop of Canterbury who was murdered in 1170 due to his conflicts with King Henry II over the rights and privileges of the Church.
- 13. **Vassal:** A person who held land from a lord in exchange for military service or other obligations in the feudal system.
- 14. William I (William the Conqueror): The first Norman King of England, who ruled from 1066 to 1087 and began significant changes in England's governance.
- 15. William II (William Rufus): King of England (1087–1100) known for his conflict with the Church and his untimely death, which led to his brother Henry I ascending the throne.
- 16. **Excommunication:** The act of officially excluding someone from participation in the sacraments and services of the Christian Church.
- 17. Fealty: The loyalty or allegiance a vassal owed to a lord in the feudal system.
- 18. **Heresy:** Beliefs or practices that are contrary to the accepted doctrines of the Church, often resulting in persecution.
- 19. **Magna Carta:** The 1215 charter agreed to by King John, which limited royal power and laid the foundation for future constitutional developments.
- 20. Plantagenet: The royal dynasty that ruled England from 1154 to 1485, beginning with Henry II.
- 21. **Primogeniture**: The right of an eldest son to succeed the role of his ancestor excluding any other claimants.
- 22. **Richard the Lionheart:** King of England (1189–1199) known for his role in the Third Crusade and his military leadership.
- 23. **Stephen Langton:** The Archbishop of Canterbury who played a key role in drafting the Magna Carta and in the conflict between King John and his barons.
- 24. **Vassal:** A person who holds land from a lord in exchange for military service or other obligations in the feudal system.: A person who holds land from a lord in exchange for military service or other obligations in the feudal system.
- 25. Writ: A formal legal document or order issued by a king or other authority, used to address specific issues or commands.

1. What were the key causes and outcomes of the succession crisis of 1066?	Red	Amber	Green
Can you identify the main contenders for the English throne in 1066?			
Are you able to explain why the succession crisis led to the Battle of Hastings?			
Can you assess the immediate and long-term consequences of the Norman Conquest?			
2. Why did William the Conqueror win the Battle of Hastings?	Red	Amber	Green
Can you describe the strategies and tactics used by William at Hastings?			
Are you able to compare the strengths and weaknesses of William's and Harold's forces?			
Can you evaluate the significance of leadership and luck in determining the outcome of the bar	ttle?		
3. How did William I consolidate his power over England after 1066?	Red	Amber	Green
Can you explain how the construction of castles helped William maintain control?			
Are you able to describe the role of the Domesday Book in asserting William's authority?			
Can you analyse the impact of the feudal system on William's rule in England?			
4. How did the Norman Conquest change the political structure of England?	Red	Amber	Green
Are you able to explain the key features of the feudal system introduced by William?		_	
Can you analyse the role of castles in establishing Norman control?			
Can you evaluate the long-term effects of the Norman Conquest on English governance?			
5. What were the consequences of the Domesday Book for England?	Red	Amber	Green
Can you describe the purpose and contents of the Domesday Book?			
Are you able to explain how the Domesday Book increased William's control over England?			
Can you evaluate the significance of the Domesday Book for medieval society?			

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6. Why was the Feudal System important in medieval England?	Red	Amber	Green
Can you explain the structure of the feudal system and its key components?		_	
Are you able to describe how the feudal system influenced relationships between the king, no	-	peasants?	
Can you evaluate the effectiveness of the feudal system in maintaining social and political orde			-
7. What challenges did Henry II face during his reign?	Red	Amber	Green
Can you identify the legal and political reforms introduced by Henry II?			
Are you able to explain the conflict between Henry II and Thomas Becket?			
Can you assess how Henry II's reign impacted the relationship between the monarchy and the			
8. Why was Thomas Becket's murder significant in medieval England?	Red	Amber	Green
Can you explain the events leading up to Thomas Becket's murder?			
Are you able to analyze the reasons behind Becket's conflict with Henry II?			
Can you evaluate the consequences of Becket's death for the monarchy and the Church?			
9. What led to the widespread discontent with King John's rule?	Red	Amber	Green
Can you identify the political and economic challenges faced by King John?			
Are you able to explain why King John's actions led to unrest among the barons and the genera		tion?	
Can you evaluate the role of King John's personality and decisions in causing widespread disco	ntent?		
10. What caused King John to lose the trust of his barons?	Red	Amber	Green
Are you able to identify the key grievances the barons had against King John?			
Can you explain the impact of King John's military failures and financial demands?			
Can you assess the role of King John's leadership in the eventual revolt by his barons?			
11. Why is the Magna Carta considered a turning point in English history?	Red	Amber	Green
Can you describe the key clauses of the Magna Carta and their significance?			
Are you able to explain how the Magna Carta limited the power of the monarchy?			
Can you analyse the long-term impact of the Magna Carta on constitutional development?			
12. How did the relationship between the monarchy and the Church evolve during this	Red	Amber	Green
period?			
Are you able to explain the nature of the conflicts between the monarchy and the Church?			
Can you describe the role of key figures, such as Thomas Becket, in shaping this relationship?			
Can you analyse the impact of these conflicts on the authority of both the Church and the mon	archy?		
HOME LEARNING TASKS			
Task Description			Done?
Use 'Look, Cover, Write, Check' to learn the key vocabulary			
Complete the GCSE Pod Tasks using the QR Code at the top of the page			
Exam Style Question: Describe two features of a Motte & Bailey Castle (4 marks)			
Exam Style Question: Describe two features of the Feudal System (4 marks)			
Exam Style Question: Describe two features of the Domesday Book (4 marks)			
Exam Style Question: Explain why King John was so unpopular during his reign (12 marks)			
Exam Style Question: 'The Magna Carta is the most significant turning point in English History' H	ow far do	you	
agree? (16 marks)		-	

# Geography Year 7 Term 2 – Cold Environments

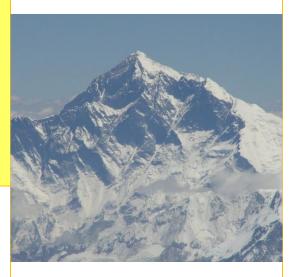
In this topic, you will explore some of the coldest places on Earth, including Antarctica and the Arctic. You will learn how to use tools like GPS and understand lines of latitude and longitude to locate places globally. We'll also look at how animals have adapted to survive in extreme cold, the threats to these fragile environments, and whether they should be protected. You'll explore glacial landscapes, especially in the Lake District, and discover the role glaciers play in shaping land. Finally, you will examine Russia's geography, discussing the challenges and advantages of its vast cold environment.

#### Prior Learning Links

- Geographical description skill Term
- Sense of place, with foundation interrelationships between the physical landscape and humans.
- Built upon Term 1, taking Antarctica as the sense of place to examine those human and physical interrelationships. Comparison to UK and Russia.

#### **Future Learning Links**

- Stepping into Asia (Russia)
- Weather and Climate
- UK Geography
   Sustainability and climate change



• Longitude and latitude.

#### **KEY VOCABULARY**

#### **KEY WORDS**

- **Explore**: To travel to new places to learn about them.
- **Antarctica**: The southernmost continent on Earth, known for its extreme cold.
- **Expedition**: A journey undertaken for exploration or research.
- **Country**: A nation with its own government and defined borders.
- **Continent**: A large landmass, such as Africa or Antarctica.
- **Ocean**: A vast body of saltwater that covers a large part of the Earth's surface.
- Longitude: Imaginary vertical lines on a map, used to measure distances east or west of the Prime Meridian.
- Latitude: Imaginary horizontal lines on a map, used to measure distances north or south of the Equator.
- **Prime Meridian**: The 0° longitude line, running through Greenwich, England.

- Equator: The 0° latitude line that divides the Earth into northern and southern hemispheres.
- **Tropic of Capricorn**: The latitude line at 23.5° south of the Equator.
- **Tropic of Cancer**: The latitude line at 23.5° north of the Equator.
- Arctic Circle: A latitude line at 66.5° north, marking the southern boundary of the Arctic.
- Antarctic Circle: A latitude line at 66.5° south, marking the northern boundary of Antarctica.
- **Relief**: The variation in elevation across a land surface.
- **Contour Lines**: Lines on a map that represent different elevations or heights of the land.
- **Grid Referencing**: A system used on maps to pinpoint specific locations using coordinates.

#### 1. What is GPS, and how do we locate globally?

- **GPS**: Stands for Global Positioning • System. It's a satellite-based navigation system that allows us to pinpoint locations anywhere on Earth.
- Latitude and Longitude:
  - Latitude runs east-west and measures north-south position.
  - **Longitude** runs north-south and measures east-west position.
  - Coordinates are given in degrees (°), minutes ('), and seconds (").
- How GPS works:

0

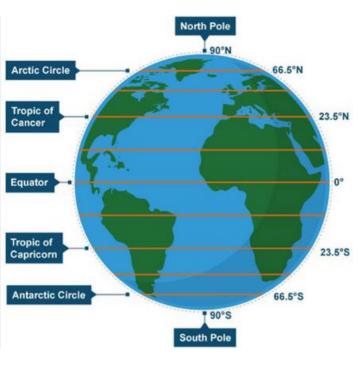
- Uses signals from multiple satellites to calculate precise locations.
- By reading signals from at least four satellites, the system triangulates a location in terms of latitude, longitude, and altitude.

#### 2. What is the coldest continent on Earth?

- Antarctica is the coldest, driest, and windiest continent. It's located at the southernmost point on Earth.
  - The average temperature can drop to -60°C (-76°F) in winter.
  - It is mostly covered by ice sheets, which hold about 60% of the world's fresh water.
  - There are no permanent human inhabitants; only researchers live there temporarily in research stations.
  - Despite the harsh conditions, some animals like penguins, seals, and certain types of algae survive there.

#### 3. How have animals adapted to survive in cold environments?

- Animals in cold environments have evolved special adaptations to survive:
  - **Polar Bears**: Thick fur and a layer of fat (blubber) keep them warm. They have large paws 0 for walking on snow.
  - **Penguins**: Streamlined bodies for swimming, with a layer of fat for insulation and waterproof feathers.
  - Arctic Fox: Thick fur that changes colour with the seasons (white in winter, brown in summer) to help with camouflage.
  - **Reindeer**: Thick fur, large hooves for walking on snow, and the ability to find food under snow in winter.



Red

Amber



Red

Red

Amber

Green

Amber Green

Green

# 4. What threats are there to cold environments? Climate Change: Rising temperatures are melting ice sheets and glaciers. This threatens animals like polar bears, whose habitats are shrinking.

- **Tourism**: Increased tourism brings pollution, disrupts wildlife, and damages fragile ecosystems.
- **Fossil Fuel Extraction**: Some cold environments have rich reserves of oil and gas. Drilling for these can cause pollution and disturb the landscape.
- Overfishing: In places like Antarctica, overfishing threatens marine life, especially krill, which many animals rely on for food.

#### 5. Should we protect the wilderness of Antarctica?

- Arguments for protection:
  - Antarctica is a global commons, meaning it belongs to no one country but to everyone. Its wilderness is pristine and unique.
  - Its ice sheets help regulate the Earth's climate and sea levels.
  - Protecting it preserves biodiversity and scientific research opportunities.
- Arguments against protection:
  - Some argue there could be economic benefits from mining resources under the ice.
  - Limited tourism provides income for research and promotes global awareness of Antarctica's fragility.

#### 6. What are glaciers, and how do they change landscapes?

- **Glaciers** are slow-moving rivers of ice that erode, transport, and deposit sediment.
- How glaciers shape the land:
  - Corrie (Cirque): A bowl-shaped hollow in mountainsides formed by the erosion from a glacier.
  - **Arête**: A sharp ridge formed between two corries.
  - U-Shaped Valley: Formed by glaciers carving through valleys, leaving behind wide, flat valley floors with steep sides.

#### 7. How do we know the Lake District was glaciated?

- The Lake District in the UK has many features shaped by past glaciers:
  - **U-shaped valleys**, such as Langdale.
  - **Corries**, such as Red Tarn.
  - Arêtes, like Striding Edge.
- Evidence like the arrangement of rocks and landforms shows the area was covered by glaciers during the last Ice Age

8.	Lesson 8: Is the geography	of Russia a curse or a benefit?
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- Russia's geography:
  - Largest country in the world, covering multiple biomes (tundra, taiga).
  - Benefits: Rich in natural resources like oil, gas, and minerals.



Red

Red

Red

Amber

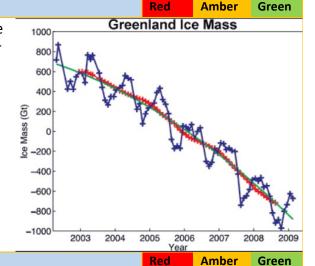
Amber

Amber

Green

Green

Green



• Challenges: Harsh climate (especially in Siberia) makes it difficult to live in or exploit resources in some areas.



9. Lesson 9: Why did Russia plant their flag on the seabed of the North Pole? Red Amber Green

- Russia planted their flag on the seabed in 2007 to claim ownership of parts of the Arctic.
- The Arctic is believed to hold vast reserves of untapped oil and gas, making it highly valuable.
- There are conflicting interests between countries like Russia, Canada, and the US over access to Arctic resources.



HOME LEARNING TASKS	
Task Description	Done?
1. Learn key word terminology	
2. Create 3 top trump animal cards of those found in cold environments.	
3. Visit Where is Antarctica? - BBC Bitesize and take quiz.	
4. Antarctica Treasure map – apply geographical skills.	
5. Visit Glacial process guide for KS3 geography students - BBC Bitesize and take quiz.	
6. Read and recap over knowledge organiser.	

# Subject Art Year 7 Term 1 & 2 – 'Observation and Tone'

Term Focus – Through a series of activities, students develop skills in observational drawing using a variety of materials, drawing techniques and processes. They investigate how artists use observation, mark making and tone to convey detail. They will discover how to apply Formal Elements **TONE, MARK MAKING, SHAPE, FORM, and LINE** to

their own artwork.

Prior Learning Links

At Key Stage 2 Pupils should be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design

#### Pupils should be taught:

- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- about great artists, architects and designers in history

Future Learning Links Through a series of activities, students develop skills in observation, colour mixing and application of paint exploring Formal Elements COLOUR, SHAPE and COMPOSITION. They investigate examples of abstract art focusing on composition, message and meaning. Students will use their knowledge of colour theory, painting techniques and composition to create their own abstract art.





Green

Amber

#### **KEY VOCABULARY**

KEY WORDS I will learn the meaning of... Investigate/Draw/ Observe/Blend/Hatch/Contrast/Directional within the context of 'Observation and Tone'. KEY SUBJECT TERMINOLOGY Record Develop Refine Outcome Evaluate

Red

#### 1. How do artists use observation and tone?

Know about great artists, craft makers and designers and understand the historical and cultural development of their art forms:

#### I will learn to record...

- images and information appropriate to a given theme
- using drawing media to closely observe objects and pictures
- increasing my knowledge and understanding of how artists use 'Observation and Tone' to create meaningful work

Evaluate and analyse creative work using the language of art, craft and design:

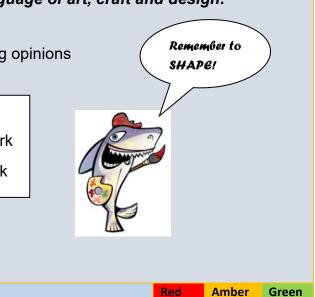
#### I will learn how to evaluate...

artists using analytical writing skills and forming opinions

Describe the artist work using keywords

Compare similarities and differences in artists work

Give your personal opinion about the artist's work



#### 2. Can you list 3 types of drawing media?

Become proficient in drawing, painting sculpture and other art, craft and design techniques:

#### I will learn to record...

using drawing media to closely observe objects and pictures



#### 3. What is mark making?

#### Become proficient in drawing, painting sculpture and other art, craft and design techniques:

#### I will learn how to develop...

my knowledge and understanding of tone and mark making

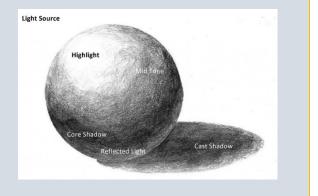


# Become proficient in drawing, painting sculpture and other art, craft and design techniques:

#### I will learn how to develop...

- my knowledge and understanding of tone and mark making
- my observational drawing skills
- my higher order thinking skills





Red

Amber

Green

5. Why is it important to look closely when drawing from direct observation?

Become proficient in drawing, painting sculpture and other art, craft and design techniques:

#### I will learn to record...

 images and information appropriate to a given theme using drawing media to closely observe objects and pictures

#### I will learn how to develop...

- my knowledge and understanding of tone and mark making
- my observational drawing skills
- my higher order thinking skills

Red

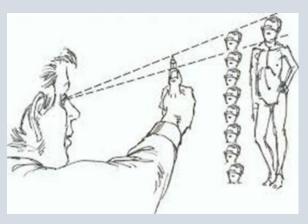
#### 6. What is proportion?

Amber Green

# Become proficient in drawing, painting sculpture and other art, craft and design techniques:

#### I will learn how to develop...

- my observational drawing skills
- my higher order thinking skills



<ol><li>Can you combine Tone/Mark making/Shape/Form/Line in your own artwork?</li></ol>	Red	Amber	Green
Produce creative work exploring their ideas and recording their exp	eriences	5:	
I will learn how to develop			
<ul> <li>my knowledge and understanding of tone and mark making</li> </ul>			
<ul> <li>my observational drawing skills</li> </ul>			
<ul> <li>my use of images and information to create ideas using mark making</li> </ul>	ng and t	tone	

- ideas in response to a given theme, linking to artists work.
- my higher order thinking skills

8. Can you realise intentio	is through a final outcome?	Red	Amber	Green
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#### Produce creative work exploring their ideas and recording their experiences:

#### I will learn how to refine...

• through exploring a range of techniques and media including paint e.g. making different tones from light to dark, contrasting images and tone, mark making and line techniques.

Amber

Green

Red

- by selecting ideas to adapt and improve using Tone, Mark making, Shape, Form and Line.
- developing a piece of work using tone in different ways

#### I will learn how to produce a finished outcome...

• using observation and tone

#### 9. Why is it important to evaluate?

Evaluate and analyse creative work using the language of art, craft and design:

#### I will learn how to evaluate...

- by reflecting on the development of my own work
- making connections between my own and artists' work
- suggesting ways I could I improve

How does my work link to the artist?

What has gone well and how have I challenged myself?

What could I do even better and challenge myself more?

What does someone else think about my work?

What new words have I learned?

How have I used the Formal Elements?

LINE / SHAPE / TONE / FORM / TEXTURE /

COLOUR / SCALE / PATTERN /

**Task Description** 

### Homework Booklet 1'Vase of Twelve Sunflowers by Vincent Van Gogh

(artist links to project through use of mark making)

**Duration-** 30 minutes minimum on each of the 7 tasks (approx. 30 minutes per two-week cycle)



Done?

How do artists use observation and tone?

Use pencil tone and mark making to draw these examples of Sunflowers by Van Gogh



Can you list 3 types of drawing media?

Use your writing pen to draw the above images

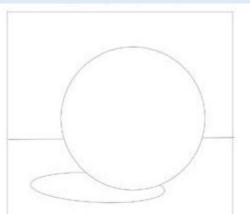
What is mark making?

Use a pencil to draw the above images using only mark making and no shading

How does light and dark affect shape and form in a drawing?

Turn the circle into a 3D Sphere the draw the ball using the same process to make it appear 3D.





Why is it important to look closely when drawing from direct observation?

2 Minute drawing exercises looking at same picture, time yourself doing the following drawing exercises:

- 2 Minutes Continuous Line (do not lift pencil off the paper)
- 2 Minutes drawing without looking at the paper
- 2 Minutes drawing without looking at the picture
- Speed draw each picture in 20 seconds

Follow up with a 10/20 a minute observational drawing of one of the pictures. Consider how your observation skills have been impacted by these exercises?







What is proportion?

Draw and finish this face as an extension draw yourself or another person using correct proportions.

Can you combine Tone/Mark making/Shape/Form/Line in your own artwork?

Use the pencil and mark making skills you have learned to draw Percy the cat. Aim to complete X2 roughs (practice pieces) and one best.

- Top of the head

Bottom of the chin



Why is it important to evaluate?

Evaluate your portrait of Percy the cat:

What has gone well and how have I challenged myself?

What could I do even better and challenge myself more?

What does someone else think about my work?

ReligionYear: 7ChristianityTerm: 2	Holy Communion Holy Communion is a re-enactment of the	The parable of the sheep and goats	Key words:
Big Questions 1 Who was Jesus and what did he teach? 2 How does belief in God influence action? What are the reasons to pray? Asking forgiveness Praise Thanksgiving Asking for help	Last Supper, the final meal that Jesus Christ shared with his disciples before his arrest, and eventual crucifixion. At the meal, Jesus ate bread and wine and instructed his disciples to do the same in memory of him. The people taking part drink a sip of wine (or grape juice) and eat a small piece of bread/cracker, both are consecrated. <u>The different names given to Holy</u>	A parable is a story that Jesus told to help people understand right from wrong. They are important because they directly come from Jesus and therefore they hold authority. In the parable of the sheep and goats, Jesus uses sheep and goats as a metaphor for types of	<ul> <li><u>Faith</u> – Believing in someone or something without having evidence or proof.</li> <li><u>Miracles</u> – an event that can't be described by science, therefore is often attributed to God/Gods.</li> <li><u>Messiah</u> – In Judaism, the Messiah was someone who would be sent by God to save the Jews. Christians believe that Jesus is the Messiah Jews do not</li> </ul>
The Lord's Prayer         Our Father, who art in heaven,         hallowed be thy name.         Thy Kingdom come,         thy will be done,         in earth as it is in heaven         Give us this day our daily bread.	Eucharist Bupper The Divine	<ul> <li>people.</li> <li>Sheep – follow the shepherd (Jesus) and they help others.</li> <li>Goats – ignore the shepherd and do not help others unless it benefits them.</li> </ul>	is the Messiah, Jews do not. <u>Sin</u> – is a bad action or thought that goes against God and his rules. <u>Consecrated</u> – Make something sacred; to dedicate it to a religious purpose. In Christian belief they consecrate (bread or wine) into the body or blood of
And forgive us our trespasses, as we forgive them that trespass against us. And lead us not into temptation, but deliver us from evil. For thine is the kingdom, the power, and the glory, for ever and ever. Amen.	Liturgy Mass The Breaking of Bread	Quick facts! Holy book – The Bible (500CE) Age of religion 2027 years old (roughly) Place of worship – Church Name of followers – Christians Number in the UK - 31,479,876	Christ. <u>Parable</u> - a story that Jesus told to help people understand right from wrong.

#### Music Year 7 Terms 1&2 Singing Skills

#### <u>Term Focus</u>

You will learn how to:

- sing and use your voice
- look after your voice and use it effectively as an instrument
- consider the elements of music and how they can enhance a musical performance

#### Prior Learning Links

- Play and perform in a variety of solo and ensemble contexts in primary school
- Use voices as a musical instrument
- Listen and recall sounds
- Listen to and appreciate a wide range of music from different traditions and from great composers and musicians

#### Future Learning Links

- Understand and explore how music is created and performed
- Understand how the elements of music affect a musical performance
- Find connections between melodies, harmonies and accompaniments



KEY VOCABULARY	
KEY WORDS	KEY SUBJECT TERMINOLOGY
Singing: making musical sounds with your voice	<b>Musical elements:</b> the building blocks of music that include dynamics, tempo, texture, timbre and pitch
<b>Dynamics:</b> the volume that notes should be played/sung	<b>Call and response:</b> a phrase played or sung that is answered with the same or a different phrase
Tempo: the speed or pace of the music	<b>Musical arrangement:</b> altering or adapting an existing piece of music through changing musical elements, structure or the instruments used
<b>Texture:</b> how melody, harmony and rhythm are combined in music to create layers of sound	<b>Body Percussion:</b> using your own body to create rhythm. It could involve clapping, stomping or clicking
<b>Timbre:</b> the type of sound produced by an instrument or a voice	<b>Vocal warm-ups:</b> exercises to prepare the voice for singing. They help prepare the vocal cords and prevent strain or injury
Pitch: how high or low a note sounds	<b>Musical accompaniment:</b> the music that plays in the background to support a melody
<b>Unison:</b> one sound. Two or more people play/sing the same pitch	<b>Musical structure:</b> the order the different sections of a song or piece of music are played in (e.g. verse/chorus/intro)
<b>Harmony:</b> more than one note/pitch is played or sung at the same time	<b>Musical ensemble:</b> a group of people who perform instrumental or vocal music together
<b>Canon:</b> a melody is played and then imitated after a short delay	<b>Musical conductor:</b> keeps a musical ensemble in time and leads the
a capella: singing without instrumental accompaniment	performance, giving it shape

#### 1. Why is it important to warm our voices up before singing?

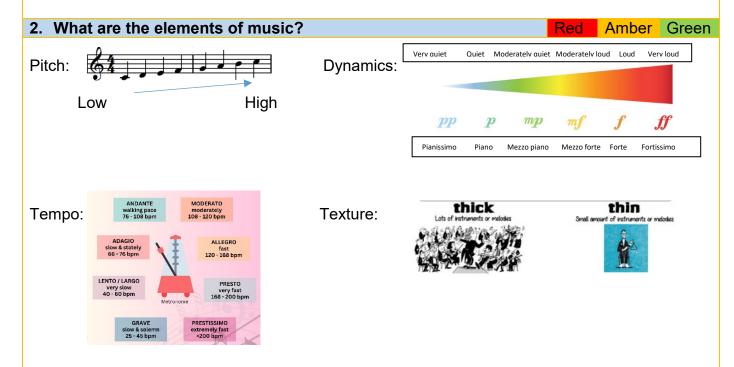
Just as you would warm-up at the start of a PE lesson, you should also warm your vocal muscles up before you sing to avoid any strain or injury.

Some easy vocal warm-ups:

- Humming it's easy to do and helps to stretch your vocal chords. Change the pitch of your voice as you hum
- Lip trills make a motorboat sound by making your lips vibrate. You can also add pitch slides
- Vocal sirens make an 'ooooo' sound and go from the lowest pitch of your voice and slide up to the highest and back down again (like a siren!)
- Yawn/sigh just yawn, take in air, and then exhale it slowly like a big sigh. This will relax your vocal cords

General tips for looking after your voice:

- Drink plenty of water
- Avoid chocolate just before you sing
- Avoid screaming/shouting
- Avoid being around smoke



Timbre: The sound quality of an instrument – it helps us tell instruments apart from each other. You could describe an instrument or vocal sound as

- Bright
- Dark
  - Brassy
  - Wooden
    - Nasal

- Mellow

- Smooth

- Shrill

Harsh - Screechy







# 3. What is call and response and why is it useful in learning a Red Amber Green song?

Call and response singing is a musical form in which a leader sings or plays a phrase (the "call"), and a group or another performer responds with a corresponding phrase (the "response"). This interaction can be vocal, instrumental, or a combination of both. The structure creates a conversational style of music, often found in various cultural traditions including African, African-American, gospel, blues, and folk music. Call and response is useful for learning a song as short phrases can be repeated and memorised. It helps you to learn the lyrics and melody of a song. One example of a call and response warm-up that we do in lessons is:

I said "Boom chicka boom" (I said "Boom chicka boom") I said "Boom chicka boom" (I said "Boom chicka boom") I said "Boom chicka rocka chicka rocka chicka boom" (I said "Boom chicka rocka chicka rocka chicka boom")

#### 4. What is a musical canon (or round)?

Red Amber Green

A musical canon (or round) is where a melody is introduced by one voice and then imitated by one or more voices one after the other. Each voice enters at different times but follows the same melody line. You may have performed these nursey rhymes in a canon when you were younger:

- Frère Jacques
- Row, Row, Row Your Boat



# 5. What is the difference between singing in unison and singing in Red Amber Green harmony?

#### 1. Singing in Unison:

- When singers sing in unison, they all sing the same notes at the same pitch or in octaves.
- There is no variation in the melody or pitch between the voices.
- The result is a single, unified sound.
- Example: A group of people singing the melody of a song together.

#### 2. Singing in Harmony:

- When singers sing in harmony, they sing different notes that complement each other, creating chords.
- The different notes are sung simultaneously to create a richer, more complex sound.
- Harmony adds depth and texture to the music by combining different pitches that blend well together.
- Example: A choir singing a hymn where different sections (soprano, alto, tenor, bass) sing different parts that harmonise with each other.



#### 6. What is structure in a musical performance?

Red Amber Green

□ **Intro**: The opening section that sets the stage for the rest of the piece.

□ **Verse**: A section where the melody may remain the same but the lyrics change with each repetition.

**Chorus**: A recurring section that usually contains the main theme and is often more memorable.

□ **Bridge**: A contrasting section that connects different parts of the song, providing variety and a break from the repetitive sections.

□ **Outro**: The concluding section that wraps up the piece.

Find more information here:



FURTHER LEARNING TASKS (OPTIONAL)	
Task Description	Done?
Create a poster about how to look after your voice	
Research and describe a fun vocal warm-up	
Create a presentation/poster about your favourite song. You might want to include	
details such as:	
<ul> <li>What instruments are used in the song?</li> </ul>	
- Describe the song's structure	
<ul> <li>Explain the lyrics – what is the song about?</li> </ul>	
- Describe the musical elements used in the song (pitch, tempo, dynamics, texture	
and timbre)	
- Why do you like this song?	
- How does this song make you feel?	

#### <u>Drama Year 7 Term 2</u> An Introduction to Drama – Drama Techniques

#### Term Focus

You will learn how to:

- Develop your understanding of Drama techniques
- Create and perform your own performances whilst collaborating with others developing your teamwork, communication and problem-solving skills.
- Evaluate your own work in addition to the work of your peers.

### Prior Learning Links

 Consolidates previously learned information and skills which underpin the curriculum. The level of experience in this subject will differ. This unit will allow all pupils to further develop a foundation knowledge of skills and techniques.

#### Future Learning Links

- Performance skills will continue to develop across KS3 and KS4. They are the foundation skills required for any performance.
- Pupils' command of vocabulary is the key to their learning and progress across the whole curriculum.
- Promotes confidence and resilience across the wider school.

#### **KEY VOCABULARY**

Drama Techni	ques are used to present an idea, highlight key concepts or to add interest to the performance.
Still Image	a frozen picture capturing a moment of a scene
Thought Track	A <u>thought track</u> is when a character steps out of a scene to address the audience about how they're <u>feeling</u> .
Mime	Acting without speech.
Physical Theatre	Actors use their bodies to create objects.
Organic Sound	The noises we can hear in a performance which are created by the actors themselves.
Choral Speaking	Speech spoken by more than one actor, incorporates both synchronised speech and actions.
Narration	A spoken commentary for the audience about the action onstage.

#### 1. What transferrable skills will you develop in Drama?

Amber Green

Red

Drama is a subject that allows you to develop key skills that you can use in all areas of your life. These skills are what employers look for when you are applying for a job. You may not be someone who would like to be an Actor but all the skills you will develop in your lessons are important life skills for the future.

Teamwork	Each lesson you will work in groups to complete a performance task. You will need to work with your peers. You will need to contribute ideas as well as listen to others to create a performance to perform to the class.
Creativity	You will be required to think of imaginative ideas to create a performance which is exciting for the audience.
Problem Solving Page 53 of 73	When given a challenging task, you will need to work with your peers to overcome any issues you face. You will also need to navigate working with a range of different people with a variety of skillsets. You will need to problem solve in order to get the task completed.

Leadership	Leadership skills will be developed when devising your own performances. Being able to take lots of ideas and find a way to move forwards with the task will encourage you to take charge.		
Confidence	Confidence will be developed in a variety of ways. You will be expected to contribute ideas in class discussions, group work and when evaluating each others work. You will be expected to perform to your peers every lesson in addition to working with a variety of different people. Confidence is a key skills which will be developed.		
Resilience	You will be challenged outside of your comfort zone but being able to continue to push yourself every lesson will result in your resilience developing. Performing to an audience, working with others and speaking		
Communication You will be expected to be able to communicate politely with one another in group work and class discussions.			
2. What are dram	a techniques? Red Amber Green		

Abstract Theatre refers to a style of Drama which entails a narrative or idea being presented in a different/alternative way to an audience. Drama techniques are used within **Abstract Theatre** to either present an idea, highlight key concepts or to add interest to the performance. Drama techniques would NOT be used in a **naturalistic performance**.

#### This term we will be learning about the different drama techniques which can be incorporated into a performance.

### 3. What is a still image? Red Amber Green

A **<u>still image</u>** is a frozen picture capturing a moment of a scene.

The frozen picture communicates meaning about what is going on during that one particular moment. It gives the audience an opportunity to really focus on this one moment in time.

It's sometimes called a <u>freeze frame</u>. It can provide further <u>insight</u> into what is happening in a scene with a clear focus upon use of space, levels, body language and facial expression.

A still image is an effective way of showing time within a performance, as they can be used to demonstrate the key moments without having to act out the entirety of a scene making it more engaging for the audience.

4. What is a thought track?	Red	Amber	Green

A <u>thought track</u> is when a character steps out of a scene to address the audience about how they're <u>feeling</u>. Sharing thoughts in this way provides deeper insight into the character for an audience.

It's an effective way of showing greater depth about one's character to the audience. Stopping the action and sharing thoughts enables the actor/audience to fully understand how the character thinks or feels at any given moment.

The character must **speak directly to the audience** and not the other characters in the scene.

#### 5. What is mime?

Mime refers to **acting without speech**. Silent film star, Charlie Chaplin was one of the most famous performers to use mime in cinema.

Red

Amber

Green

Mime requires an actor to use physical performance skills to clearly demonstrate an idea without the presence of dialogue.

It is essential we consider the smaller details when performing a mime, to make our performance as realistic as possible.

6. What is Physical	Theatre?	Re	d Amber	Green
theatre is a great way	drama technique whereby actors of incorporating objects into a p , money and allows the objects	erformance without the need t		
The technique is used engaging way to the a	l in <b>abstract theatre</b> allowing ob audience.	pjects to be presented in an int	teresting and	1
7. What is choral sp	peaking?	Re	d Amber	Green
synchronised speech	speech spoken by more than of and actions.		incorporates	both
8. What is narration	1?	Re	d Amber	Green
is like a storyteller info Narration is useful in n drama <b>stylised</b> . This r that a story is being to Narration can also sav in scenes.	ere is a <b>spoken commentary</b> fo orming the audience about the p making a story more understand means that it becomes non-natu old and the <b>fourth wall</b> is broker we time when information is give	lot. able for the audience. It also r ralistic because the audience n. This is therefore used in abs	nakes the are aware tl tract theatre	nroughou
A narrator is not part c	of the plot themselves.			
HOME LEARNING TA	<u>ASKS</u>			
Task Description				Done?
Recapping Vocal Skills				
Recapping Performan				
Creating a thought train				1
Creating a thought trac Recapping stage posit				
Recapping stage posit	tioning			
Recapping stage posit		pelow		
Recapping stage posit	tioning			

Pace	How <u>fast</u> or <u>slow</u> you speak.
Ρ	
Ρ	
Т	
E	
Α	
V	

### Understanding of Performance Skills: Complete the table below

	P
	P
	Р
	B
	E
	D
	S
	L
How <u>loud</u> or <u>guiet</u> you speak.	Volume
	G
	F

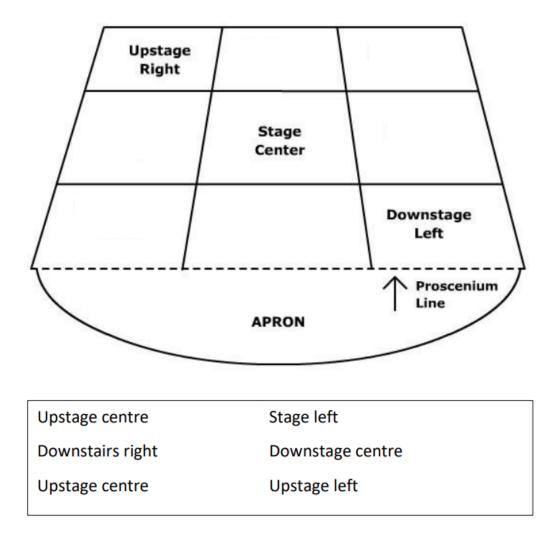
#### Creating a thought track: Read the extract below, create a thought track for one of the three pigs

'Quick, quick!' said the third little pig. 'He's climbing the tree. I think he's going to come down the chimney.'

The three little pigs got the biggest pan they had, and filled it full of water and put it on the fire to boil. All the time they could hear the sound of the wolf climbing the tree and then walking along the roof, they froze in fear....



Understanding positioning: Complete the stage below using the key words in the box.



#### Spanish Year 7 Term 2 – School Term Focus – This term introduces you to the topic of school in Spanish. You will be able to talk about the following things: School items in your pencil case and bag -What subjects you study \_ What subjects you like and dislike and why **Prior Learning Links Future Learning Links** The verb ser School (Year 9) • • Adjectival agreement Adjectival agreement • • Giving and justifying opinions

#### 1. What's in my school bag?

¿Qué hay en tu bolsa? (What is there in your bag?)						
<b>En mi bolsa</b> (In my bag)	<b>hay</b> (there is)	un libro (a reading book) un cuaderno (an exercise book)	<b>una botella</b> (a bottle) <b>una calculadora</b> (a calculator)			
<b>En mi mochila</b> (In my pencil case)	<b>no hay*</b> (there isn't a)	<b>un bolígrafo</b> (a pen) <b>un lápiz</b> (a pencil)	<b>una goma</b> (a rubber) <b>una regla</b> (a ruler)			

\*when using 'no hay' you then don't need the 'un' or 'una' in front of the noun.

#### 2. What are articles?

An article is a word that comes before a noun to show whether it is specific or general. In English, we don't always need to include them but in Spanish they are used a lot! There are two types of articles that we will use this term:

	Definite Ar	ticles – THE	Indefinite	Articles - A
	Singular Plural		Singular	Plural
Masculine	El	Los	Un	Unos
Femnine	La	Las	Una	Unas

#### 3. What are the colours?

Red Amber Green

	Singular	(only 1)	Plural (mo	ore than 1)
	Masculine	Masculine Feminine		Feminine
Blue	azul	azul	azules	azules
Green	verde	verde	verdes	verdes
Brown	marrón	marrón	marrones	marrones
Grey	gris	gris	grises	grises
Black	negro	negra	negros	negras
Red	rojo	roja	rojos	rojas
Yellow	amarillo	amarilla	amarillos	amarillas
White	blanco	blanca	blancos	blancas
Purple	morado	morada	morados	moradas
Orange		Naranja (I	no change!)	
Pink	Rosa (no change!)			

Red Amber

Green

Amber Green

Red

**Rule 1:** Colours <u>always</u> come after the noun in Spanish. E.g. un bolígrafo rojo = a pen red

**Rule 2:** Colours <u>must</u> agree with the gender and number of the noun that they are describing. E.g. un bolígrafo rojo = a pen red Una goma roja = a rubber red

#### 5. How do I count in Spanish?

1	2	3	4	5	6
Uno	Dos	Tres	Cuatro	Cinco	Seis
7	8	9	10	11	12
Siete	Ocho	Nueve	Diez	Once	Doce

6. What do you study?

(On Monday)El viernes (On Friday)El martesestudio(On Tuesday)El sábado (On Saturday)El miércolesestudiamos(On Wednesday)El domingo (On Sunday)El jueves (On Thursday)(On Sunday)	(art) teatro (drama) español (spanish) inglés (english) geografía (geography) historia	música (music) educación física (PE) tecnología (technology) ciencias (science) matemáticas (maths)
--	---	--

#### 7. What is the verb 'avoir'?

The verb 'tener' is a very important verb.

'tener' is the verb 'to have'

It is one that you will need to use every year that you study Spanish, so it is important that you are confident with it.

#### Tener = To have

Tengo = I have Tienes = You have (singular) Tiene = He has / She has / We have Tenemos = We have Tenéis = You have (plural) Tienen = They have



Amber Green

Amber

Amber

Green

Green

Green

Red

Red

Red

<mark>¿Cuál es tu asignatura fav</mark> Mi asignatura favorita es		<mark>s your favourite subj</mark> e	ect?)		
(My favourite subject is)	<b>el dibujo</b> (art)	la música			
Me encanta <mark>(n)</mark>	el teatro	(music)		aburrido/a <mark>(s)</mark>	importante s)
(I love)	(drama) <b>el español</b>	la educación física (pe)	porque es	(boring) <b>difícil(es)</b>	(important) interesante(s)
Me gusta <mark>(n)</mark>	(spanish)	la tecnología	(because it is)	(difficult)	(interesting)
(I like)	<b>el inglés</b> (english)	(technology) las ciencias	porque son	<b>divertido/a(s)</b> (fun / funny)	<b>útil(es)</b> (useful)
No me gusta <mark>(n)</mark>	la geografía	(science)	(because they are)	fácil <mark>(es)</mark>	práctico/a <mark>(s)</mark>
(I don't like)	(geography) la historia	<b>las matemáticas</b> (maths)		(easy)	(practical)
Odio	(history)	· · · · /			
(I hate)	(				

#### \*Plural subjects must add an -n to the opinion phrase.

9. What is an opinion phrase?	Red	Amber	Green
An opinion phrase is anything that indicates how you feel about something.			
E.g. I like, I hate, I love, I don't like.			
10. What is a conjunction?	Red	Amber	Green
Definition: A word used to link two clauses or sentences.			
Key Conjunctions: y (and), también (also), sin embargo (however), pero (but)			
11. What is an adjective?	Red	Amber	Green
Definition: A word used to describe a noun.			
12. What is an intensifier?	Red	Amber	Green
Definition: An intensifier is used <u>before</u> an adjective to add detail.			
Key intensifiers: muy (very), bastante (quite), un poco (a little), demasiado (too)			
HOME LEARNING TASKS			
Task Description			Done?
Can you write a short paragraph describing what's in your pencil case?			
Can you write a short paragraph describing your school day?			
Can you use the sentence builders above to write sentences answering the questions? Can you in adding conjunctions and intensifiers?	mprove th	nese by	
Can you practise agreeing colours to different items in your pencil case?			
Practise the vocabulary in your knowledge organiser by using the look, cover, write, check method	od.		
Go to www.sentencebuilders.com and practise this term's vocabulary.			

## French Year 7 Term 2 – School

Term Focus – This term introduces you to the topic of school in French. You will be able to talk about the following things:

- School items in your pencil case and bag -
- What subjects you study \_
- What subjects you like and dislike and why

#### Prior Learning Links

- The verb être •
  - Adjectival agreement
- **Future Learning Links** School (Year 9) •
  - Adjectival agreement •
  - Giving and justifying opinions

#### 1. What's in my school bag?

Qu'est-ce qu'il y a dans ton sac ? (What is there in your bag?)						
		un livre	une bouteille			
Dans mon sac		(a reading book)	(a bottle)			
(In my bag)	il y a	un cahier	une calculatrice			
	(there is)	(an exercise book)	(a calculator)			
	il n'y a pas de*	un stylo	une gomme			
Dans ma trousse	(there isn't a)	(a pen)	(a rubber)			
(In my pencil case)		un crayon	une règle			
		(a pencil)	(a ruler)			

\*when using 'il n'y a pas de' you then don't need the 'un' or 'une' in front of the noun.

#### What are articles? 2.

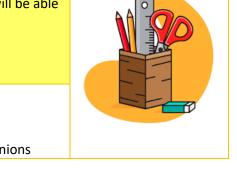
An article is a word that comes before a noun to show whether it is specific or general. In English, we don't always need to include them but in French they are used a lot! There are two types of articles that we will use this term:

Definite Arti	cles - THE				
	Singular	Plural			
Masculine	le	les	In	definite Articles -	- A
Feminine	la	les		Singular	Plural
Masculine or Feminine when before a vowel or	ľ	les	Masculine	Un	Des
the letter 'h'			Feminine	Une	Des

#### What are the colours? 3.

Amber Green

	Singular	(only 1)	Plural (mo	ore than 1)		
	Masculine	Feminine	Masculine	Feminine		
Blue	Bleu	Bleue	Bleus	Bleues		
Green	Vert	Verte	Verts	Vertes		
Black	Noir	Noire	Noirs	Noires		
Grey	Gris	Grise	Gris	Grises		
Red	Rouge	Rouge	Rouges	Rouges		
Yellow	Jaune Jau	Jaune	Jaunes	Jaunes		
Pink	Rose	Rose	Roses	Roses		
White	Blanc	Blanche	Blancs	Blanches		
Purple	Violet	Violette	Violets	Violettes		
Orange		Orange (no change!)				
Brown	Marron (no change!)					
Page 60 of 73	Page 60 of 73					



Red

Red

Red

Green Amber

Amber Green

#### 4. How do I use colours?

**Rule 1:** Colours <u>always</u> come after the noun in French. E.g. un stylo rouge = a pen red

#### Rule 2: Colours must agree with the gender of the noun that they are describing.

E.g. un stylo bleu = a pen blue Une règle bleu<u>e</u> = a ruler blue

#### 5. How do I count in French?

1	2	3	4	5	6
Un	Deux	Trois	Quatre	Cinq	Six
7	8	9	10	11	12
Sept	Huit	Neuf	Dix	Onze	Douze

#### 6. What do you study?

Qu'est-ce que tu étudies? (What do you study?)					
Le lundi (On Monday) Le mardi (On Tuesday) Le mercredi (On Wednesday) Le jeudi (On Thursday)	<b>Le vendredi</b> (On Friday) <b>Le samedi</b> (On Saturday) <b>Le dimanche</b> (On Sunday)	<b>j'étudie</b> (I study) <b>on étudie</b> (we study)	le dessin (art) le théâtre (drama) l'espagnol (spanish) l'anglais (english) la géographie (geography) l'histoire (history)	la musique (music) I'EPS / le sport (pe) la technologie (technology) les sciences (science) les maths (maths)	

#### 7. What is the verb 'avoir'?

The verb 'avoir' is a very important verb.

'Avoir' is the verb 'to have'

It is one that you will need to use every year that you study French, so it is important that you are confident with it.

#### J'ai = I have Tu as = You have (singular) II a / Elle a / On a = He has / She has / We have Nous avons = We have Vous avez = You have (plural) Ils ont / Elles ont = They have

Avoir = To have

Red Amber Green



Red Amber Green

Amber Green

Red

#### 8. What is your favourite subject?

Red Amber Greer
-----------------

o. What is your in					Alliber	Green	
Quelle est ta mat	<b>tière préférée?</b> (Wh	at is your fayourite	a subject?)				
Quelle est ta ma							
Ma matière préférée est (My favourite subject is) J'aime (I like) J'adore (I love)	<b>le dessin</b> (art) <b>le théâtre</b> (drama) <b>l'espagnol</b> (spanish) <b>l'anglais</b>	<b>la musique</b> (music) <b>l'EPS</b> (pe) <b>la technologie</b> (technology)	<b>car</b> (because)	<b>on a trop de dev</b> (we have too mu <b>le / la prof est sy</b> (the teacher is ni	much homework.) <b>t sympa.</b>		
Je n'aime pas (I don't like)	(english) <b>la géographie</b> (geography)	<b>les sciences</b> (science) <b>les maths</b>	car c'est	<b>amusant</b> (fun)	<b>ennuyeux</b> (boring)		
Je déteste		(maths)	(because it is)	<b>intéressant</b> (interesting)	<b>facile</b> (easy)		
(I hate)	<b>l'histoire</b> (history)	(		(interesting)	(easy)		
(,	(Instory)			<b>passionnant</b> (exciting)	<b>utile</b> (useful)		
9. What is an opi	wice physical				ed Amber	Croon	
	is anything that indic	ates how you feel a	bout something.		e <b>u</b> Amper	Green	
E.g. I like, I hate, I l		·	Ū				
10. What is a conj				R	ed Amber	Green	
Definition: A word	used to link two clau	ses or sentences.					
Key Conjunctions: I	Et (and), Aussi (also), C	Cependant (however	r), Mais (but)				
11. What is an adj	ective?			R	ed Amber	Green	
Definition: A word	l used to describe a n	oun.					
12. What is an inte	ensifier?			Re	ed Amber	Green	
Definition: An inte	ensifier is used <u>before</u>	an adjective to add	detail.				
Key intensifiers: trè	es (very), vraiment (rea	ally), assez (quite), u	n peu (a little), trop	(too)			
HOME LEARNING	TASKS						
Task Description	art paragraph doceribi	ng what's in your no	uncil caso?			Done?	
-	ort paragraph describi ort paragraph describi						
Can you use the se	ntence builders above	• ·		tions? Can you impro	ove these by		
adding conjunction		erent items in your r	pencil case?				
Can you practise agreeing colours to different items in your pencil case? Practise the vocabulary in your knowledge organiser by using the look, cover, write, check method.							
			,	,			

Go to <u>www.sentencebuilders.com</u> and practise this term's vocabulary.

#### Food and Nutrition Year 7 - Terms 1 and 2 – Introduction to food preparation and nutrition

#### Term Focus -

1.Food Safety, food hygiene, food skills, the senses 2. The Eatwell Guide, food groups, making food choices

#### **Prior Learning Links**

**Future Learning Links** 

At KS2 and in the primary setting, the skills and knowledge gained is very varied due to the different teaching strengths of staff and variety of facilities available. Therefore, a very basic level of ability is assumed to enable all the cohort to access our curriculum. Students will learn a range of practical skills whilst embedding their knowledge and understanding of key hygiene and safety points. Confidence will be boosted in the learning and developing of basic skills to progress through to more complex activities. We will look at the senses and discover why they play an important role in food selection Food groups from the Eatwell Guide will assist in the learning of healthy, balanced diets and understanding nutritional needs.



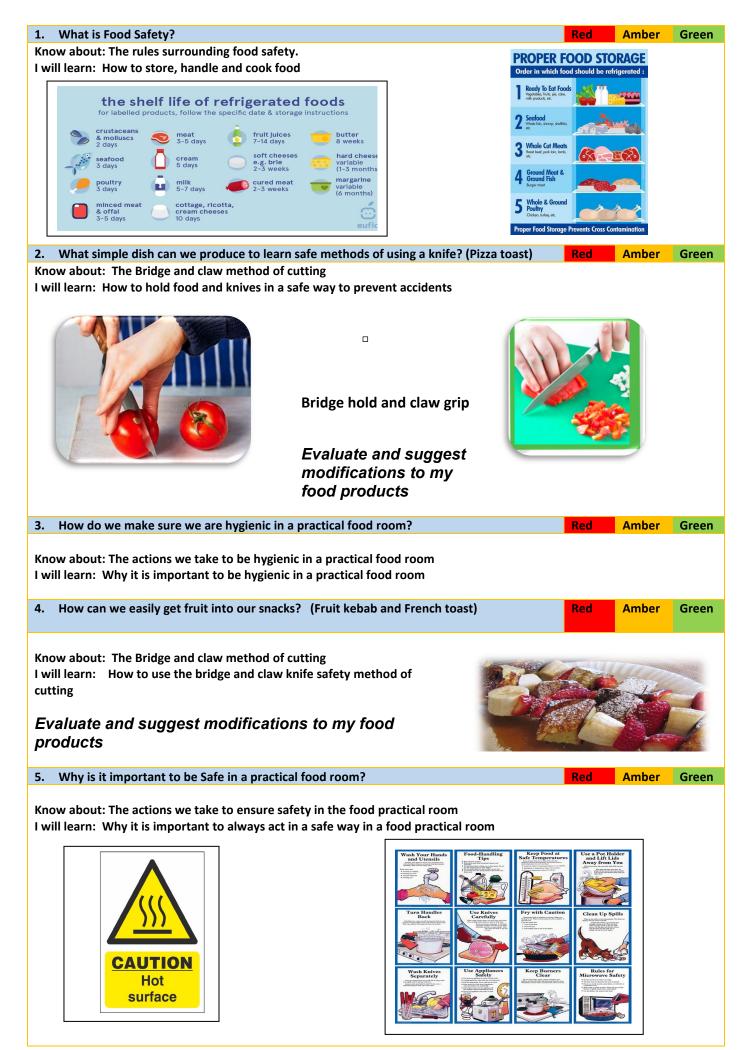
Kitchen Safety Rules Always wash your hands before and after handling food. Tie back long hair. Wear an apron and roll up your sleeves. Keep food preparation surfaces clean. Wash fruit and vegetables under cold water before use. Always ask an adult before handling knives or going near hot things. Handle knives and other sharp equipment with care. When using a knife, always cut away from yourself or downwards on a chopping board to avoid cutting yourself. Turn handles of saucepans away from the front of the stove when cooking. Use oven mitts when taking hot dishes from the oven or microwave. Do not run around the room where food is being prepared. Wipe up food spills immediately. Store food appropriately in sealed containers. Always keep raw meat away from cooked meat at the bottom of the fridge.

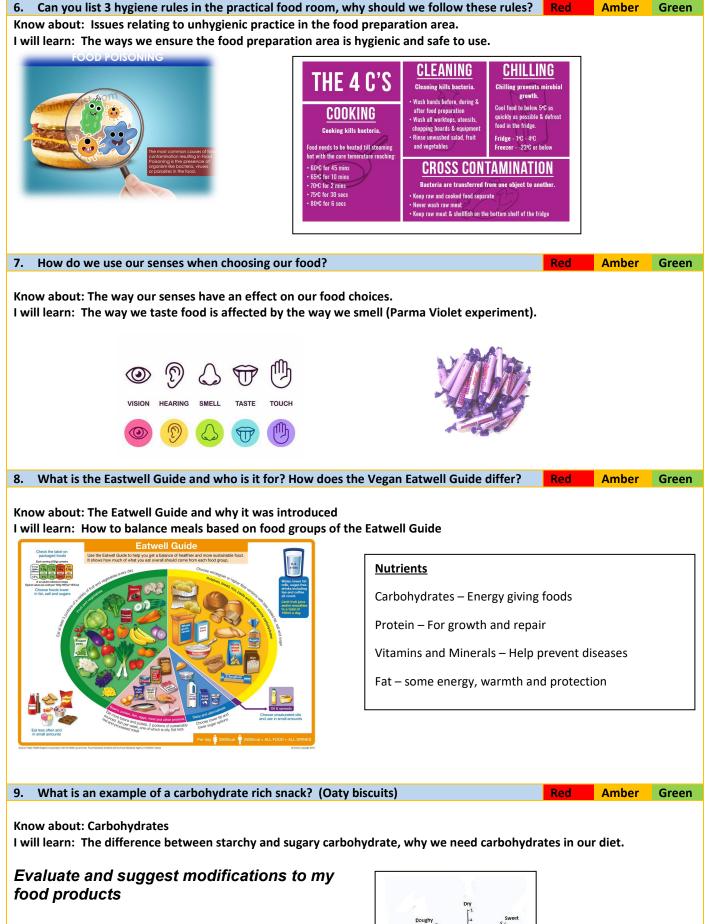
Wash kitchen and eating utensils after use in hot soapy water.

mindingkids.co.uk

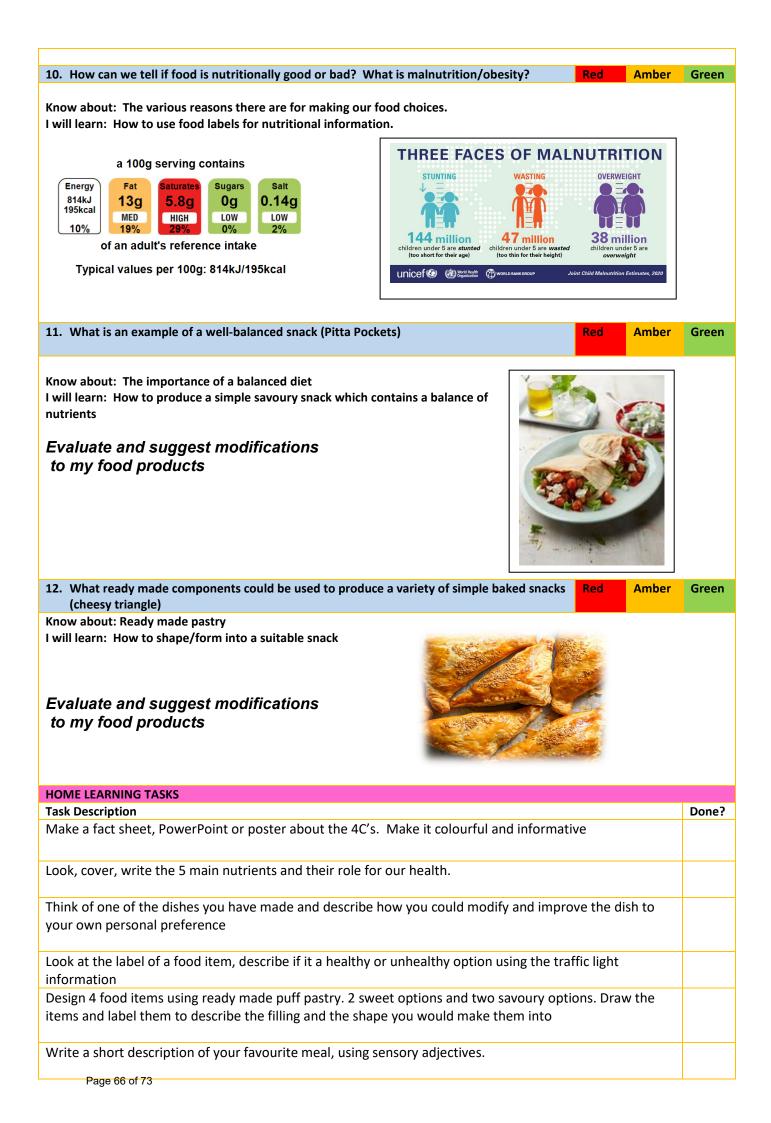
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KEY VOCABULARY	
KEY WORDS	KEY SUBJECT TERMINOLOGY
I will learn the meaning of Eatwell guide Balanced diet Nutrition Malnutrition Evaluate Bacteria Hygiene Hazard	Hygiene and safety, the 4 C's in food preparation, key temperatures, using our senses, nutritional foods, modifying dishes.





Chewy



# Textiles KS3 Term 1 & 2 - Introduction to Textiles, health and safety, learning and using basic skills.

### Term Focus:

Following an Introduction to the subject and the health and safety required when using the basic hand sewing tools, students will be learning and demonstrating their skills whilst undertaking a basic task of sewing on a button, and then producing a small sampler.

*In term 2 students will go on to design and plan to make a soft toy sea creature. They will go on to evaluate this soft toy.* 

#### Prior Learning Links

The national curriculum for design and technology aims to ensure that all pupils:

- Develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.
- Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users.
- Critique, evaluate and test their ideas and products and the work of others.

#### Future Learning Links

Students will use the skills learned in these two terms to design the packaging suitable for their soft toy sea creature.

#### KEY VOCABULARY

**KEY WORDS** 

#### **KEY SUBJECT TERMINOLOGY**

Needle Scissors Sew	Pins Stitch Stitch ripper	ThreadingSamplerSewingSeamStraight stitchHem	
Thread	Silk	Back stitch Button	
Cotton	Wool	Cross stitch	
Denim	Polyester	Blanket stitch	
	<b>,</b>		

# **1. Do I know the potential hazards in the workroom? Red Amber Green** *I will learn to...*

- Identify potential hazards to myself and others.
- Prevent accidents happening by following the rules.

# 2. Can I thread a needle and tie a simple knot?RedAmberGreenI will learn to...

- Recognise thread.
- Use simple tools safely. Page 67 of 73



- Thread a needle.
- Tie a simple knot.



**Red Amber Green** 

Red Amber

Green

### 3. Can I sew on a button?

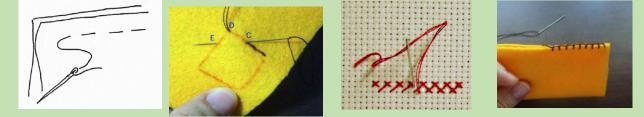
I will learn to ...

- Sew a button successfully onto a piece of calico. This is a real life skill.
- Evaluate my success.
- 4. Can I demonstrate a range of simple stitches to Red Amber Green make a sampler?

#### I will learn to ...

- Demonstrate running/straight stitch.
- Demonstrate back stitch.
- Demonstrate cross stitch.
- Demonstrate blanket stitch.

#### All this will be done to produce a sampler.



#### 5. Can I recognise the features of a sea creature? I will learn to...

- Understand the different a variety features of a sea creature.
- Recognise the features I need to try to replicate in my toy.
- Identify which features are not going to be possible, but also which can be demonstrated using the skills I have learned and the resources that I have.



# 6. Can I design a sea creature to make into a toy? Red Amber Green I will learn to ...

• Using the skills learned previously, design my soft toy sea creature using spatial awareness and drawing skills.

# 7. Can I make a functional paper pattern?

I will learn to...

- Draw up and make a function paper pattern using pencil and rulers.
- Be accurate in my measurements, understanding that this is important for the final product.

#### 8. Can I use my paper pattern? **Red Amber Green** I will learn to... • Pin the paper pattern to my chosen fabric. Cut out accurately using fabric scissors. 9. Can I start to make my soft toy sea creature? **Red Amber Green** I will learn to... Using the skills learned previously, to pin, tack and sew my soft toy sea creature. Can I evaluate my soft toy sea creature? 10. Red Amber Green I will learn to ... Recognise my successes. • · Identify any faults or improvements that could be made if the soft toy was made again. **HOME LEARNING TASKS** Done? Identifying Home Sewn textiles. Looking around your home, can you identify which items have been sewn either by machine or by hand? • Choose 2 to tell us about. Write on an A4 piece of paper, perhaps include a photograph if possible. Do you have any old toys or clothes that were made for you? Perhaps by a relative or close friend? If possible take a photo of the toy or piece of clothing. Alternatively draw it. Write a paragraph about it and tell us why it is important to you. Could you sew a small needle/pin case to hold needles and pins at home? If you have a piece of spare felt or other fabric, cut a piece approximately 12cm x 8cm. Fold over. Cut 2 other pieces of fabric 10cm x 6 cm and fold over. Place the smaller pieces inside each other and then place both of these inside the larger piece to make • it look like a book. Use a needle and thread to sew down the 'spine' of the 'book'. This should hold them altogether. You could use stitches and/or buttons to decorate the front cover or your needle case. Your needles and pins can be kept inside. Do you know any embroidery stitches? If you know any embroidery stitches you could use them to decorate your needle case.

Alternatively look on you tube to see if you can teach yourself to do chain stitch, or some fancy knot work.



### Subject: Product Design Year 7 & 8 Term: 1 & 2 'Phone Stand'

#### Term Focus:

Through a series of activities, students develop skills in technical drawing using a variety of techniques specifically isometric drawing.

They investigate the iterative design process following through the initial ideas exploration through mind maps and sketches, then developing these with inspiration from their own hobbies and interests. Identifying ACCESS FM in their own artwork.

#### Prior Learning Links

#### **Future Learning Links**

In KS2 students will have looked through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts.

Understanding the base of design and what it means, how to turn 2D into 3D and a light evaluation covering what went well and what could be adapted.

#### Pupils should be taught:

- How to use a booklet in order, keeping it neat and tidy to refer back to in later lessons.
- Follow the iterative design process
- Make a phone stand using the proper methods and processes
- Follow health and safety rules in the classroom

They would have had an introduction to CAD using 2D design, learning the basics ready to laser cut and engrave.

They also would have learned how to start off a project and follow the iterative design process.

Spent time learning to technically draw using isometric paper.







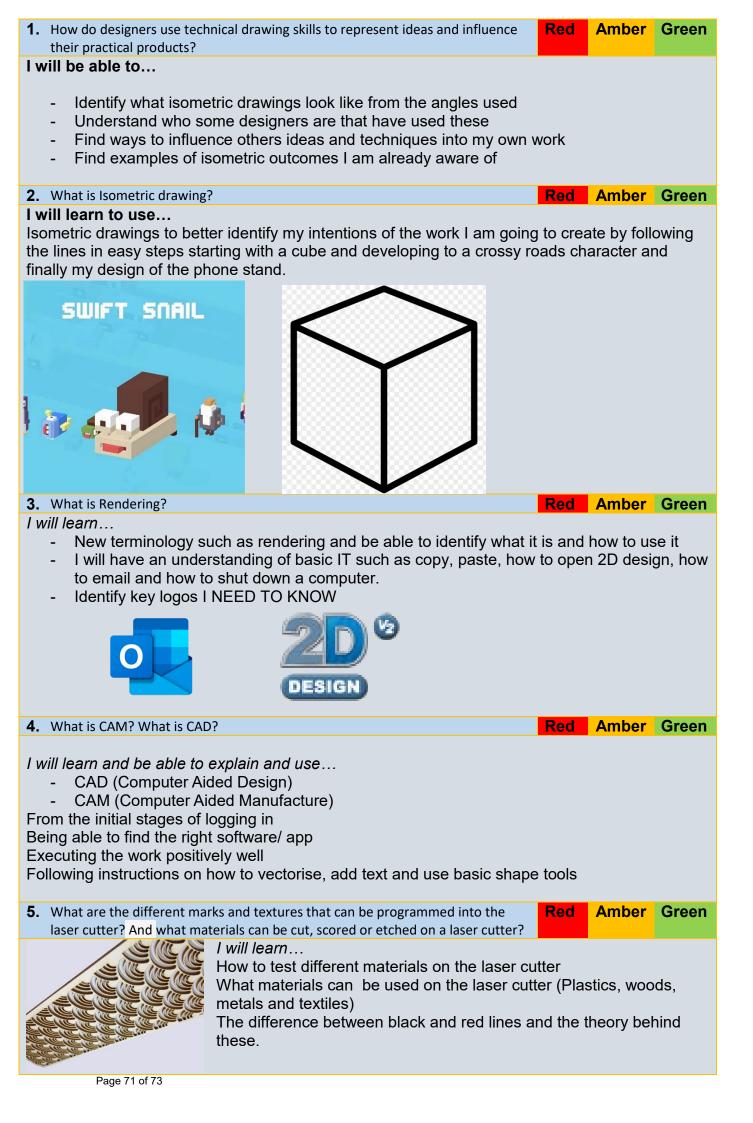


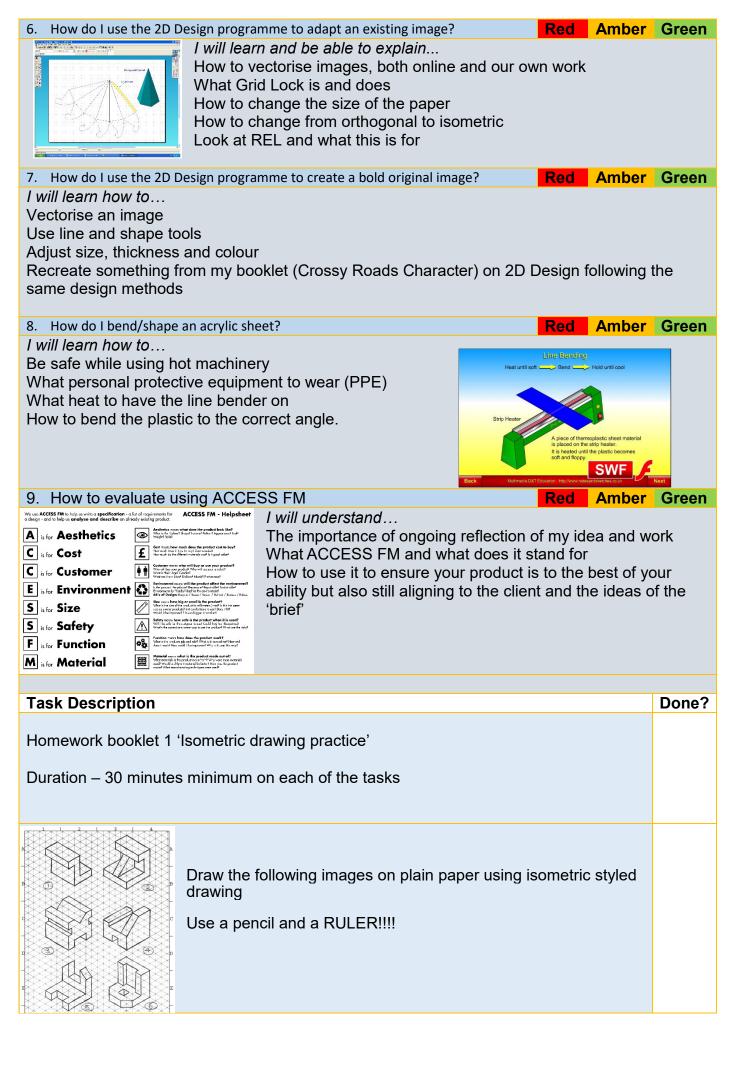


#### KEY VOCABULARY KEY WORDS KEY SUBJECT TERMINOLOGY

I will learn the meaning of...

The iterative design process, how technical drawing can be beneficial to developing ideas as well as the practical aspects of designing and making a physical phone stand with finally how to evaluate it using ACCESSFM. ACCESS FM Aesthetics Cost Customer Environment Safety Size Function Material





Draw the following images on isometric paper (on teams to print or pick some up in class) using isometric styled drawing

Use a pencil and a RULER!!!!



