



BOURNEMOUTH SCHOOL

Year 7

# Knowledge Organiser 1

Autumn Term: 2024-25

Name: \_\_\_\_\_

✓Hard Work

✓Discipline

✓Smart Appearance

✓Respect

## Bournemouth School

### Knowledge Organiser: Year 7 Autumn Term 1

#### *‘Knowledge is power’ by Francis Bacon*

A knowledge organiser provides you with all the most important knowledge you need for each unit of study for that half term. Your aim is to transfer all of this information into your long-term memory so you can use it in your lessons and further expand your understanding of this work.

During the first term of Year 7, as you learn how to use a Knowledge Organiser, you will have less to learn than other year groups.

How to use your knowledge organiser (KO):

1. Ensure you have your KO and Homework Learning Journal with you at all times in school and when you need to do your homework at home.
2. Although you have a Knowledge Organiser for all subjects, you will only be expected to work on Maths, Science and French or Spanish. In lessons when you have covered information that appears on your KO, your teacher will ask you to put a tick next to that section. This means that is now added to what you must learn for homework.
3. Initially, follow your homework timetable to decide what to revise each evening.
4. There are 4 strategies that you can use to revise. They are progressively more challenging so always start with the first in the list.

#### **a. Look Cover Write Check**

- i. Identify the subject and section of your KO that you want to revise. This should be one of the ticked sections.
- ii. LOOK carefully at the subject and section of your KO you want to revise and try to remember as much as you can. Remember this should be a ticked section.
- iii. Now COVER this information so you can't read it.
- iv. WRITE out what you can remember word for word in your Homework Learning Journal.
- v. CHECK what you have written by comparing it to your KO. Tick each correct word in green pen and correct any errors you have made.
- vi. Repeat this process until you are confident you can remember everything you need.

#### **AIM:**

**You should be able to repeat the information by rote**

#### **b. Self or peer quizzing**

- i. Identify the subject and section of your KO that you want to revise. This should be one of the ticked sections.
- ii. Write out a list of questions you could ask either yourself or a friend about this section of the KO. Write these in your Homework Learning Journal.
- iii. If you are working on your own, cover the KO and write a full answer to each question.
- iv. If you are working with a partner swap books and copy down their questions and have a go at answering them.
- v. Now uncover the KO and with a green pen correct your work.

#### **AIM:**

**You should be able to repeat the information by rote but with a good understanding**

**c. Playing with words and sentences**

- i. Identify the subject and section of your KO that you want to revise. This should be one of the ticked sections.
- ii. You now want to check how well you have learnt the information in your KO.
- iii. Definitions – look at words that are used in this section. Can you write a definition in your own words?
- iv. Rephrasing – can you rewrite the sentences or explanations in your own words?
- v. Summary – can you summarise the main points of this section of the KO?
- vi. Synonyms – can you write synonyms for key words and ideas?
- vii. New Sentences – can you write a sentence that includes the key vocabulary or definitions that you have learnt?

**AIM**

**You should be able to use the information in your KO in a flexible and confident way in your writing.**

**d. Think it, Link it**

- i. This is a technique to use towards the end of the half term when you are revising all of the KO.
- ii. Think of the links or connections between different sections of your KO.
- iii. Write these out in your own words in your Homework Learning Journal.
- iv. Think about the links between a particular section of your KO and what you have learnt in your lessons. Can you expand on this section by linking it to your wider knowledge?
- v. Write this out in your Homework Learning Journal.

**AIM**

**You should be able to link your homework and your lessons to show a confident understanding of the work covered.**

**Homework Learning Journal**

1. Always write the subject and the date when you start your homework.
2. Always write the strategy that you are going to use for your homework.
3. Use a blue or black pen to complete your homework or a pencil if you need to draw.
4. Always use a ruler to underline titles and dates.
5. Use a green pen to complete corrections of your work.
6. **You are expected to complete half a side of your Homework Learning Journal each evening as a minimum.**

**Checking:**

Your tutor will check your Homework Learning Journal at least once a week. If they are concerned that you aren't doing your homework properly they will offer support and guidance. If you don't respond to this guidance you will be added to the afterschool 'Success club' where a member of staff will help you complete your homework.

### DO NOW tasks:

At the start of every Maths, Science and French or Spanish lesson, you should expect a Do Now task. This is a low stakes retrieval quiz on what you have learnt so far. If you have completed your homework this should be easy. The aim is to get 100% in each of these. If you miss this target occasionally, don't worry. If it happens regularly your teacher will ask your tutor to have a chat and offer you support.

### Maths:

Your teacher will set you tasks to complete on Dr Frost Maths. This will be set every week on a Monday and will be collected in and checked on a Friday. If this has not been completed you will be issued a Detention on A Wednesday Lunchtime.

## How long should I spend on my homework?

	Year 7 Term 1				
	Week 1				
Time	Monday	Tuesday	Wednesday	Thursday	Friday
5 mins	MFL	MFL	Physical Activity	MFL	MFL
10 min	Maths	Science		Maths	Science
30 mins	Reading	Reading		Reading	Reading
	Week 2				
Time	Monday	Tuesday	Wednesday	Thursday	Friday
5 mins	MFL	MLF	Physical Activity	MFL	MFL
10	Maths	Science		Maths	Science
30	Reading	Reading		Reading	Reading

- You should spend about 15 minutes revising each day. This will increase after Christmas.
- You should spend about 30 minutes reading each day.
- This timetable is a guide. If you want to spend longer revising one subject that you find more difficult and less time on one you find easy, that is your choice.
- We would like you to spend one evening involved in a physical activity. This might be a sports club, a run, a game of football with friends or just a nice walk with the dog. Ask your PE teacher if you need guidance with this. It doesn't have to be on a Wednesday.

❑ The **Formal Elements** are the parts used to make a piece of artwork. The art elements are **line, shape, space, form, tone, texture and colour**.

❑ A **line** is one of the simplest elements of art. Lines are marks upon paper or canvas. They can be horizontal, vertical, curved, or any other shape.

❑ Connecting lines together to enclose some areas is called **shape**. Shapes are often **organic**, meaning that they follow the kinds of shapes that one might find in nature and are more or less irregular. Some artists also use **geometric** shapes, which are the genre of shapes one might find in a mathematics textbook.

❑ **Space** in a work of art refers to a feeling of **depth** or three dimensions. It can also refer to the artist's use of the area within the picture plane. The area around the primary objects in a work of art is known as **negative** space, while the space occupied by the primary objects is known as **positive** space.

❑ **Form** refers to the three-dimensional aspect of an object, adding depth and volume. Artists use shading, perspective, shadows and other techniques to create the illusion of three-dimensional form on a two-dimensional surface.

❑ **Tone** (often called Value in America) is the degree of lightness or darkness in a colour. Artists use shading and highlighting to create a range of tones, adding dimension and depth to their work. Tone is often associated with blending and pencil work.

❑ **Texture** refers to the surface quality or feel of an object. Artists create texture through the use of different materials, techniques, or representations, adding tactile and visual interest. Texture can be created with mark-making and collage.

❑ **Colour** includes hues (the pure colours of the spectrum), tone / value (lightness or darkness), and saturation (intensity). Colour can evoke emotions and set the mood of a piece. Artists use colour schemes to make areas or subjects stand out more.

❑ How tone is applied to create form: **You must vary the pressure you apply to your pencil to create a range of tones, from light to dark.** Mark making can be used to create tones, texture and surfaces. **A rubber can be used to create highlights.** Different types of pencils. The spacing between your mark making will create a range of tones, along with layering.

❑ **What are the difference between H and B pencils ?**

The H stands for hard and the B for black. The harder pencil leaves less graphite on the surface resulting in lighter mark-making. The pencils classed as B, on the other hand, are softer and leave much more graphite on the surface. Hence, the marks are blacker.

**What does the 'F' stand for on a pencil ?**

The letter 'F' indicates a pencil that sharpens to a fine point.

❑ A **pattern** is a repetition of elements (shapes, lines, colours, etc.) often with a consistent spacing and sequence. Patterns are created by repeating elements in a recognisable and systematic arrangement.

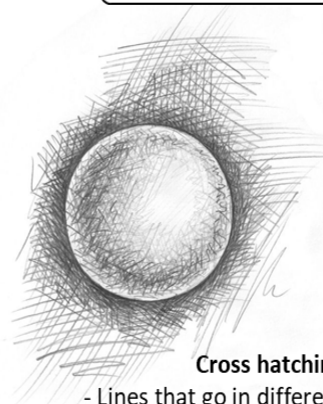
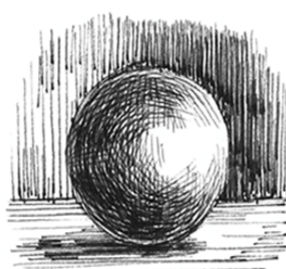
❑ **Composition** in art is the way in which different elements of an artwork are combined. In general, this refers to the key subjects of the artwork and how they are arranged in relation to each other.

### Contouring

- Curve around the object to give roundness

### Hatching

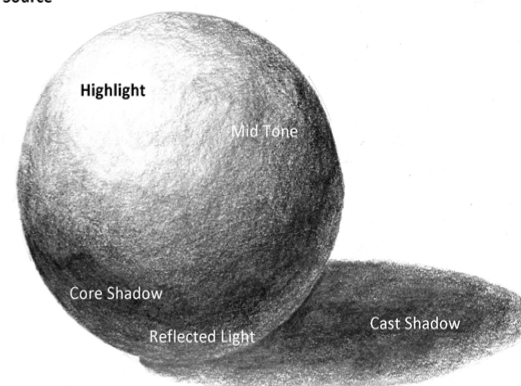
- Line that go in the same direction



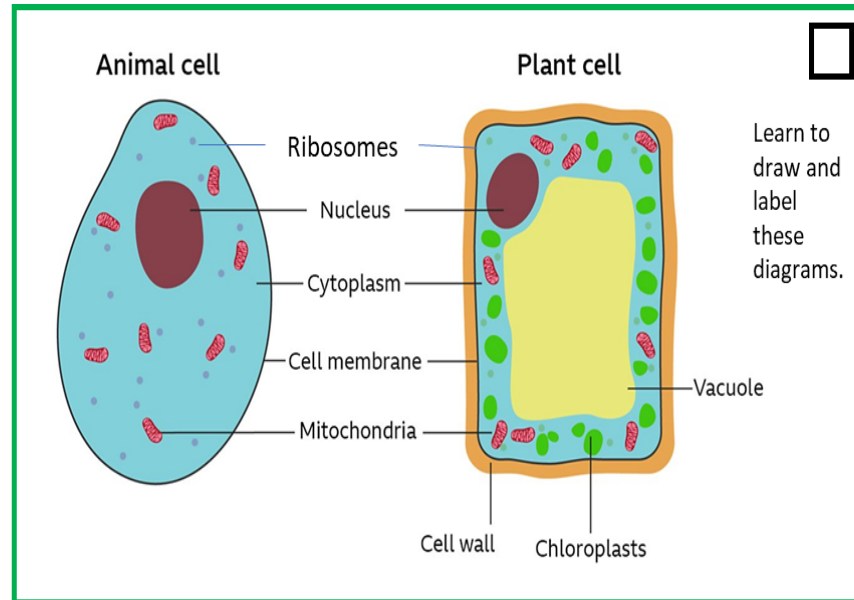
### Cross hatching

- Lines that go in different directions layered on top of each other

### Light Source

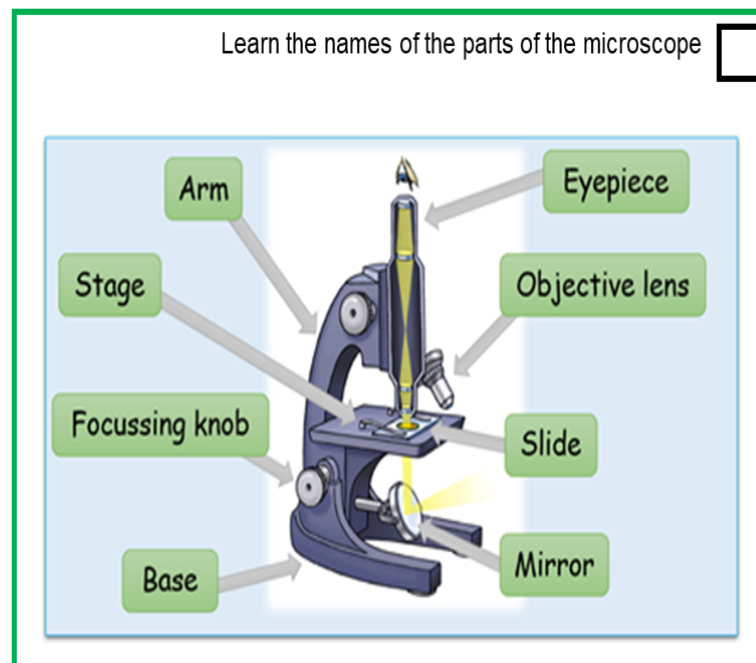


Keyword	Learn	✓
Nucleus	Contains the genetic material (DNA) and controls the cell's activities.	
Cell Membrane	Controls the movement of substances into and out of the cell.	
Mitochondria	The site of respiration.	
Cytoplasm	A jelly-like substance; site of most of the chemical reactions.	
Ribosome	Where proteins are made	
Vacuole	Filled with sap.	
Chloroplasts	The site of photosynthesis and contains chlorophyll.	
Cell Wall	Supports and strengthens the cell and is made of cellulose.	
Diffusion	One way for substances to move into and out of cells.	
Cell	The basic building blocks that make up all living organisms.	
Tissue	A group of similar cells working together to perform a function.	
Organ	A group of similar tissues working together to perform a function	
Organ System	A group of organs working together to perform a function.	



Learn this order

Cell  
↓  
Tissue  
↓  
Organ  
↓  
Organ system  
↓  
Organism



Not all cells are the same. They can become specialised. This means they have special features to help them carry out their roles.

Key term	Definition	
Bunsen Burner	A device used to ignite gas to provide energy.	
Safety Flame	A yellow flame that is visible.	
Blue Flame	A hotter flame that is harder to see.	
Flammable	This means that the substance is easily set on fire.	
Corrosive	This means that substance will damage skin and eyes on contact.	
Irritant	This substance can cause eye damage, skin irritation, or be toxic if consumed.	
Heatproof mat	This is placed under hot objects to protect a surface.	
Test tube/ boiling tube	A glass container that is used to carry out experiments.	
Tripod	This can be used to place objects above a Bunsen burner.	
Beaker	This is a glass container used to hold liquids.	
Conical flask	A type of glass beaker designed to swirl liquids.	
Thermometer	A device used to measure the temperature of a substance.	
Wire Gauze	This is used on top of the tripod to protect the object from the Bunsen burner flame.	



This is the symbol for flammable materials.



This is the symbol for corrosive materials.



This is the symbol for harmful materials.

### Directions for using Bunsen burner



1. Make sure there are no breaks or holes in the gas hose.
2. Put the Bunsen burner on a heatproof mat, making sure it isn't near the edge of the bench.
3. Turn the collar to ensure the air hole of the Bunsen burner is closed.
4. Hold a lit splint 1-2 cm above the top of the barrel of the burner.
5. Turn on the gas at the gas tap, and the Bunsen burner will burn with a yellow flame.
6. Extinguish the splint by placing it on the heatproof mat

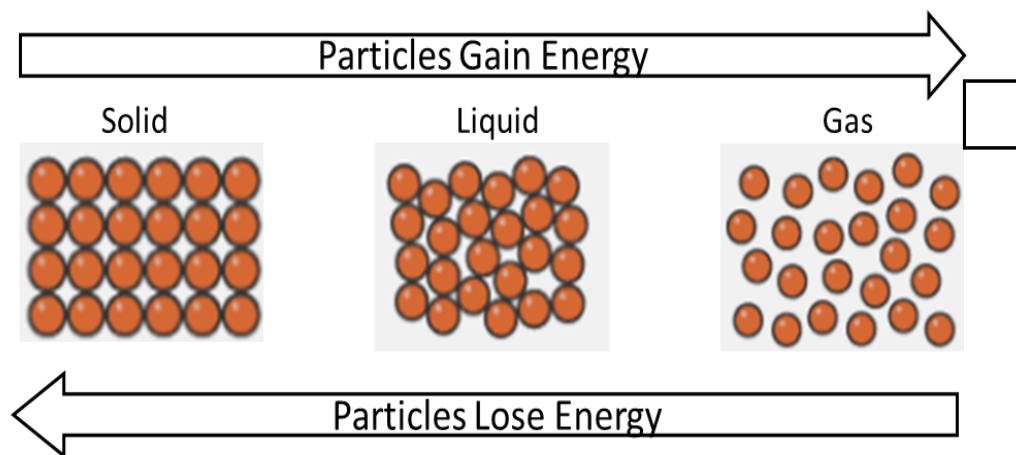
### Key Lab Rules

- Always wear safety goggles during a practical.
- Do not touch spilt chemicals and tell a teacher.
- Stand up and keep bags under chairs during practical work.
- Do not eat or drink in the lab.
- Maintain a calm presence in the lab.



## Chemistry CB: The Particle Model

Key term	Definition	
State of matter	Matter can exist as a solid, liquid or a gas	
Particle Model	Used to show the arrangement of particles in a solid, liquid and gas	
Solid	Particles vibrate in a fixed position and are tightly packed	
Liquid	Particles are in random motion and can move past each other while remaining in contact	
Gas	Particles move rapidly in all directions and are widely spaced	
Melt	A substance changes state from solid to liquid above its melting point	
Boil	A substance changes state from liquid to gas above its boiling point	
Condense	A substance changes state from gas to liquid below its boiling point	
Freeze	A substance changes state from liquid to solid below its melting point	
Diffusion	Particles move from an area of high concentration to low concentration	



Key term	Definition	
Melting point	The temperature above which a solid will melt. A liquid will freeze if cooled below this value	
Boiling point	The temperature above which a liquid will boil. A gas will condense if cooled below this value.	
Independent variable	The variable which is changed in an experiment.	
Dependent variable	The variable which is measured in an experiment	
Control variable	The variables which are kept the same in every repeat of an experiment	



## Windows Keyboard Shortcuts

Press these keys	To do this
Ctrl + C	Copy the selected item.
Ctrl + V	Paste the selected item.
Ctrl + Z	Undo an action
Ctrl + Y	Redo an action
Ctrl + Shift + N	Create a new folder
F2	Rename a selected folder/file
Alt + Tab	Switch between open apps
Alt + F4	Close the active app.
Ctrl + D	Delete the selected folder/file and move to Recycle Bin.
Windows logo key + Left arrow	Snap the active app or desktop window to the left side of the screen.
Windows logo key + Right arrow	Snap the active app or desktop window to the right side of the screen
PrtScn	Take a screenshot of the whole screen and copy it the clipboard.
Ctrl + Alt + Del	Starts Windows security which gives options including changing passwords and signing out of the PC.

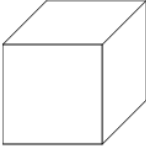
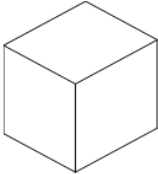


## Word Keyboard Shortcuts

Press these keys	To do this
Ctrl + N	Create new document
Ctrl + S	Save the presentation
Ctrl + P	Print the presentation
Ctrl + A	Select all the document content
Ctrl + C	Copy the selected contents
Ctrl + V	Paste the selected contents
Ctrl + B	Apply bold formatting to the selected text.

## PowerPoint Keyboard Shortcuts

Press these keys	To do this
Ctrl + N	Create new presentation.
Ctrl + M	Add a new slide.
F5	Start a slide show
Esc	End the slide show
Ctrl + S	Save the presentation
Ctrl + P	Print the presentation
Ctrl + Plus sign (+)	Zoom in.
Ctrl + Minus sign (-)	Zoom out.
Ctrl + Alt + O	Zoom to fit.

Tick here	Drawing type	Picture	Description
	Oblique		<ul style="list-style-type: none"> <li>• Drawn at 45°</li> <li>• Designs can be distorted from this angle</li> <li>• Very basic</li> <li>• Can't see all of the sides</li> </ul>
	Isometric		<ul style="list-style-type: none"> <li>• Drawn at 30°</li> <li>• Lines are parallel</li> <li>• Used by product designers</li> <li>• Can see all of the sides</li> </ul>

Tick here	Key word	Definition
	Biomimicry	Being inspired by nature – both in form and functionality.
	Ergonomics	Relates to products being comfortable and easy to use.
	Function	How a product is used – its intended purpose.

Tick here	Tool name	Function
	Try square	Marks out a right angle.
	Steel rule	Measures small distances.
	Tenon saw	Cuts timber in straight lines.
	Bench hook	Keeps timber in place whilst cutting it.
	Bastard cut file	This is the roughest file, used to roughly smooth sides.
	Smooth cut file	This is the smoothest file, used to smooth sides.
	Coping saw	Cuts timber and plastics into shapes/curves.
	Plane	Finely shaves away timber.
	PVA	Glues wood to wood only.

### Activities to try out at home (optional – not compulsory):

- Write down the functions of a bobbin sander, belt sander, line bender and pillar drill
- Research what the letters CAD and CAM stand for
- Research the advantages of using CAD/CAM when designing and making a product
- Research what the term anthropometrics mean. How does this link to Design Technology?
- Practise drawing every day products in both oblique and isometric drawing (see your teacher for an isometric grid)



# Year 7 ‘Trash’ Knowledge organiser



Themes	
Poverty	
Homelessness	
Corruption	
Waste	
Power	
Friendship	
Morality	
Money	

Context	
<i>Trash</i> is set in a fictional city called <i>Behala</i> .	
It is inspired by a real-life city named Manila in the Philippines.	
Andy Mulligan visited Manila before he wrote <i>Trash</i> .	
Smoky Mountain is referenced in the novel. It was a huge landfill site in Manila that was shut down for being too dangerous.	

Synopsis	
Raphael, Gardo and Rat are “dumpsite boys” who spend their lives living and working on Smokey Mountain.	
Their job is to sort through the city’s rubbish for anything that can be sold.	
They make just enough money to survive.	
One day they come across a mysterious bag containing a wallet, a map and a key.	
It’s a discovery that will change everything as they go in search of the owner of the bag.	

Character	Description	
Raphael	The main protagonist who is tall, skinny and lives with his aunt in Behala.	
Gardo	Like a big brother to Raphael. Strong, protective and acts like the “mature one” of the trio.	
Rat (Jun-Jun)	Lives on his own and is independent. He is small and extremely skinny because of the lack of food. He is very observant and dreams of buying a fishing boat.	
Father Juilliard	In charge of the Pascal Aguila Mission School. He is committed to helping the dumpsite children and wants them to attend school - a difficult task.	
Sister Olivia	A volunteer at the Pascal Aguila Mission School. She worked there during a gap year but has stayed on to help the children and their families.	
Gabriel Olondriz	A frail and elderly prisoner at Colva Prison. He allegedly stole Government money.	
Pia Dante	The daughter of José Angelico and adopted granddaughter of Gabriel Olondriz.	
Senator Zapanta	A corrupt politician who lives in luxury whilst his people suffer in squalor.	

Day of the Dead		
This is a more popular name in many countries, particularly in South America, for All Souls' Day, part of the Roman Catholic tradition.		
Family and friends gather to remember those who have died.		
Typically it takes place on 1st and 2nd November, and people lay flowers and light candles at the graves of loved ones.		
Big parades are held, and people often paint their faces to look like skulls. It's a way to celebrate and remember those who have passed into the afterlife.		

Narrative Perspective		
<b>Part 1</b>	Raphael and Gardo	
<b>Part 2</b>	Father Julliard, Raphael and Grace (Senator Zapanta's maid)	
<b>Part 3</b>	Sister Olivia, Father Julliard, Gardo, Raphael and Rat	
<b>Part 4</b>	Rat, Gardo, Raphael and Frederico Gonz (the undertaker)	
<b>Part 5</b>	Raphael, Gardo, Rat and Pia Dante.	

Subject terminology		Key vocabulary	
Character - a person in a novel, play or film.		Stuppa – a slang term for excrement (poo)	
Setting - the surroundings where something is positioned or where an event takes place.		Peso – Manila's official currency (£1 = 1 Peso)	
A writer's methods – deliberate choices made by a writer in order to create an effect.		Zucchini - courgette	
Narrative perspective – the voice through which we learn what is happening.		Shanty town – a deprived area on the outskirts of a town or city	
Figurative Language – language techniques such as metaphor, simile, alliteration etc.		Chapel – a small room/building used for worship	
Sensory Language – using the senses to help the reader understand what is happening.		Squatters - a person who unlawfully occupies an uninhabited building or unused land	
Explicit – when information is clearly stated.		To siphon off – to dishonestly take money from an organisation	
Implicit – when something is suggested and you have to read between the lines.		Seductive – tempting/attractive/enticing	
Inference – a conclusion reached based on the information you are given.		Vanity – extreme pride in your appearance	
Connotations – words and ideas which link to a particular word.		British Embassy – government office, which represents the UK's interests abroad	
Protagonist – main character.		Shopping mall – shopping centre	
		Imminent – about to happen	
		Notoriety – being famous for a negative reason	

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Year 7 Knowledge Organiser The Eatwell Guide

- When choosing food and drinks, current healthy eating guidelines should be followed.



## The Eatwell Guide

- Comprises 5 main food groups.
- Is suitable for most people over 2 years of age.
- Shows the proportions in which different groups of foods are needed in order to have a well-balanced and healthy diet.
- Shows proportions representative of food eaten over a day or more.

## Fruit and vegetables

- This group should make up just over a third of the food eaten each day.
- Aim to eat at least five portions of a variety each day.
- Choose from fresh, frozen, canned, dried or juiced.
- A portion is around 80g (3 heaped tbs).
- 30g of dried fruit or 150ml glass of fruit juice or smoothie count as a max of 1 portion each day.

## Beans, pulses, fish, eggs, meat and other protein

- Sources of protein, vitamins and minerals.
- Recommendations include to aim for at least two portions of fish a week, one oily, and;
- People who eat more than 90g/day of red or processed meat, should cut down to no more than 70g/day.

## Oil and spreads

- Unsaturated fats are healthier fats that are usually from plant sources and in liquid form as oil, e.g. olive oil.
- Generally, people are eating too much saturated fat and need to reduce consumption.

## Potatoes, bread, rice, pasta or other starchy carbohydrates

- Base meals around starchy carbohydrate food.
- This group should make up just over a third of the diet.
- Choose higher-fibre, wholegrain varieties.

## Dairy and alternatives

- Good sources of protein and vitamins.
- An important source of calcium, which helps to keep bones strong.
- Should go for lower fat and lower sugar products where possible.

## Foods high fat, salt and sugar

- Includes products such as chocolate, cakes, biscuits, full-sugar soft drinks, butter and ice cream.
- Are high in fat, sugar and energy and are not needed in the diet.
- If included, should be had infrequently and in small amounts.

## 8 tips for healthier eating

These eight practical tips cover the basics of healthy eating, and can help you make healthier choices.

- Base your meals on starchy carbohydrates.
- Eat lots of fruit and veg.
- Eat more fish – including a portion of oily fish.
- Cut down on saturated fat and sugar.
- Eat less salt (max. 6g a day for adults).
- Get active and be a healthy weight.
- Don't get thirsty.
- Don't skip breakfast.

## Hydration

- Aim to drink 6-8 glasses of fluid every day.
- Water, lower fat milk and sugar-free drinks including tea and coffee all count.
- Fruit juice and smoothies also count but should be limited to no more than a combined total of 150ml per day.

## Fibre

- Dietary fibre is a type of carbohydrate found in plant foods.
- Food examples include wholegrain cereals and cereal products; oats; beans; lentils; fruit; vegetables; nuts; and, seeds.
- Dietary fibre helps to: reduce the risk of heart disease, diabetes and some cancers; help weight control; bulk up stools; prevent constipation; improve gut health.
- The recommended average intake for dietary fibre is 30g per day for adults.

**Cutting down on Salt-** Reducing the amount of salt we consume can reduce blood pressure, reduce the risk of heart disease, reduce the risk of a stroke. Adults should have no more than 6g of salt a day and children should have less, remember- Salt is added to many of the foods you buy so you need to check labels carefully. It is also used as a preservative in bacon and cheese.

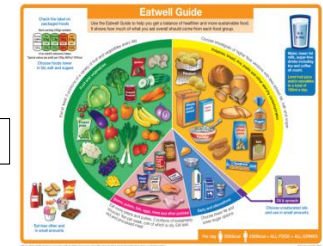
## Composite/combination food

Much of the food people eat is in the form of dishes or meals with more than one kind of food component in them. For example, pizzas, casseroles, spaghetti bolognese and sandwiches are all made with ingredients from more than one food group. These are often called 'combination' or 'composite' foods.



## Meals and snacks can be sorted into The Eatwell Guide food groups.

### Composite/combination food - Lasagne



Pasta (lasagne sheets): **Potatoes, bread, rice, pasta or other starchy carbohydrates**  
Onions, garlic and chopped tomatoes: **Fruit and vegetables**  
Lean minced meat (or meat substitute): **Beans, pulses, fish, eggs, meat and other protein**  
Cheese sauce made with milk and cheese: **Dairy and alternatives**  
Olive/vegetable oil used to cook onions and mince: **Oil and spreads**



## Introducing yourself – Saying how you are

Français	Anglais	
Bonjour	Hello	
Salut	Hi	
Ça va?	How are you?	
Ça va (très) bien	I am (very) well	
Ça va pas mal	I am not bad	
Ça ne va pas	I am not well	
Oui	Yes	
Non	No	
Au revoir	Goodbye	
À plus	See you later	
Merci	Thank you	
Comment tu t'appelles?	What's your name?	
Je m'appelle...	My name is...	
Quel âge-as tu?	How old are you?	
J'ai onze ans	I'm 11 years old	
Quelle est la date de ton anniversaire?	When is your birthday?	
Mon anniversaire c'est le 3 mars	My birthday is 3 <sup>rd</sup> of March	
Joyeux anniversaire	Happy Birthday!	
Ça s'écrit comment?	How do you spell it?	
Ça s'écrit..	It is spelt...	

## Intensifiers

Français	Anglais	
très	very	
assez	quite	
un peu	a bit	
beaucoup	a lot	

## les numéros

les numéros	numbers	
un	1	
deux	2	
trois	3	
quatre	4	
cinq	5	
six	6	
sept	7	
huit	8	
neuf	9	
dix	10	
onze	11	
douze	12	
treize	13	
quatorze	14	
quinze	15	
seize	16	
dix-sept	17	
dix-huit	18	
dix-neuf	19	
vingt	20	
vingt-et-un	21	
vingt-deux	22	
vingt-trois	23	
vingt-quatre	24	
vingt-cinq	25	
vingt-six	26	
vingt-sept	27	
vingt-huit	28	
vingt-neuf	29	
trente	30	
trente-et-un	31	

## Connectives

Français	Anglais	
aussi	also	
mais	but	
et	and	
parce que/car	because	
avec	with	

## Opinions

Français	Anglais	
J'aime	I like	
J'adore	I love	
Je n'aime pas	I don't like	
Je déteste	I hate	
Je préfère	I prefer	
Tu aimes..?	Do you like?	

## Reasons

Français	Anglais	
C'est	it is	
super	great	
intéressant	interesting	
nul	rubbish	
ennuyeux	boring	
cool	cool	
amusant	fun	

## Dans ma trousse – in my pencil case

J'ai...	I have	
un cahier	an exercise book	
un crayon	a pencil	
une règle	a ruler	
un livre	a book	
une gomme	a rubber	
une calculatrice	a calculator	
un stylo	a pen	

## Animals and Pets

Français	Anglais	
Tu as un animal?	Do you have a pet?	
J'ai...	I have...	
un serpent	a snake	
un hamster	a hamster	
un poisson rouge	a goldfish	
un chat	a cat	
un cochon d'Inde	a Guinea pig	
un oiseau	a bird	
un chien	a dog	
un lapin	a rabbit	
un cheval	a horse	
une tortue	a turtle	
une souris	a mouse	
Je n'ai pas d'animal	I don't have a pet	

Les couleurs	Colours	
blanc/blanche	white	
bleu/bleue	blue	
vert/verte	green	
gris/grise	grey	
noir/noire	black	
jaune	yellow	
orange*	orange	
marron*	brown	
rouge	red	
rose*	pink	

## Months of the year

Les mois	months	
janvier	January	
février	February	
mars	March	
avril	April	
mai	May	
juin	June	
juillet	July	
août	August	
septembre	September	
octobre	October	
novembre	November	
décembre	December	

Silly  
Pandas  
Don't  
Talk

S, P, D, T are silent at  
the end of a word in  
French

\* Some adjectives don't change in the feminine or in the plural form.

In French, adjectives come after the noun they describe and they agree in gender and number.  
You can see in the next table what they look like in the feminine form.

## Dans ma salle de classe il y a.....

la salle de classe	the classroom	
la chaise	the chair	
la fenêtre	the window	
la porte	the door	
le professeur / le prof	the teacher	
la table	the table	
l'ordinateur	the computer	
le tableau	the board	
le bureau	the desk	
les élèves	the pupils	

## Les activités et les sports Activities and Sports

Français	Anglais	
J'adore le judo	I love judo	
le foot	football	
le rugby	rugby	
le sport	sport	
le vélo	cycling	
le skate	skateboarding	
les jeux vidéos	video games	
la danse	dance	
la gymnastique	gymnastics	
la musique	music	



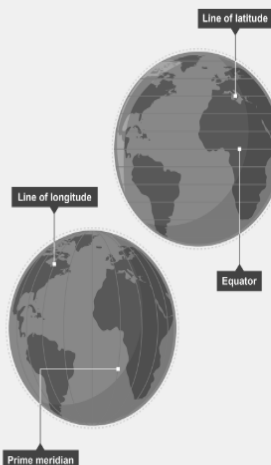
# YEAR 7 GEOGRAPHY

## Topic: What Makes A Good Geographer?



### Section 1: Latitude and Longitude

- Lines of **latitude** circle the Earth in an east-west direction. They are parallel.
- Special lines of latitude include the equator, and the tropics of Cancer and Capricorn.
- Lines of **longitude** run from the top of the Earth to the bottom. They meet at a point at the north and south poles, and divide the Earth into segments, like an orange.
- Special lines of longitude include the Prime Meridian and the International Date Line.



### Section 2: OS Maps

- Ordnance Survey (OS)** is an organisation that has mapped the UK.
- OS Maps have lots of different symbols, including simple images, letters and abbreviations.
- There will usually be a key next to the map to tell you what the symbols mean.
- OS maps feature grid squares.



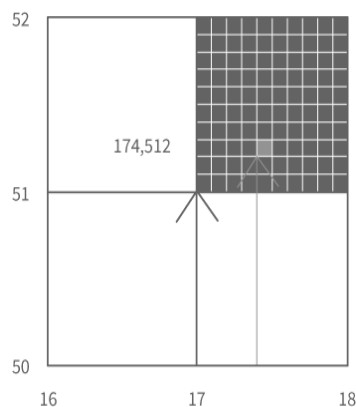
### Section 4: Relief

- Relief** means the shape of the land.
- Relief is represented in a range of different ways:
  - Spot heights (black dots with numbers)
  - Triangulation pillars (a dot inside a blue triangle)
  - Layer shading (using colours to represent height)
  - Contours (orange lines)



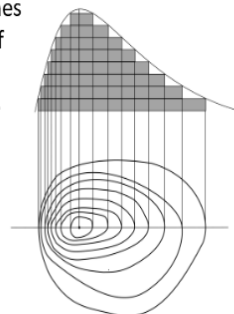
### Section 3: Grid references

- When an easting and northing line meet, the two numbers can be put together to form a **four-figure grid reference**. The easting comes first.
- By adding an extra number (between 1 and 10) to the easting and the northing, a **six-figure grid reference** can be created. This pinpoints a specific place on a map.



### Section 5: Contours

- Contour lines** are brown lines on a map that join places of the same height.
- On most OS maps, the lines are drawn every 10m.
- The closer the lines, the steeper the relief.



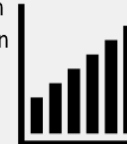
### Section 6: Scale

- Scale** is usually written like this: **1:25 000**. This means that 1 unit of measurement on the map (a centimetre, for example) represents 25 000 of those same units on the actual ground the map covers.
- You can use the scale on the map to measure the distance between two points. There are a few ways to do this:
  - Straight line distance
  - Using string or paper to find the actual distance.



### Section 7&8: Fieldwork

- Geographical enquiries can involve researching the human and physical environments. They are a way of investigating questions about the world we live in and learn how processes work
- Carrying out fieldwork allows us to collect information and data that we can then use back in the classroom.
- We can collect different types of data using fieldwork:
  - Qualitative which is descriptive information
  - Quantitative which is numerical information
- You can represent the data collected using graphs, for example bar, line, radar or pie charts.



### Section 9: GIS

- Geographic Information Systems (GIS)** is specialist software which links geographical data with a map.
- GIS is useful for geographers as it enables users to add layers to show different information as well as zoom in and out to different scales.
- GIS often links together digital maps, satellite images or aerial photographs, allowing the user to compare these different layers.





### Colour theory to memorise:

Red compliments green  
Blue compliments orange  
Yellow compliments purple

### Key questions to answer:

- what makes a successful logo and why?
- What is a limited colour palette?

### Logo File Formats:

1. **Vector:** Ideal for scalability, as it can be resized without losing quality (e.g., AI, EPS, SVG).
2. **PNG:** Supports transparency and is suitable for web and digital platforms.
3. **JPEG:** Commonly used for print materials but lacks transparency support.

Keywords/terms	Definition – read, cover, write, check, redo	tick
Graphic Design	Graphic design is the art of visual communication that combines images, words, and ideas to convey information to an audience, especially to produce a specific effect.	
Layout	<b>Layout</b> design is a fundamental branch of graphic design that concerns the arrangement of text and visuals.	
Typography	<b>Typography</b> is the art and design of text	
Design brief	A <b>design brief</b> is a document that outlines the core details and expectations of a design project for a client.	
Design specification	A <b>design specification</b> is a list of criteria a product needs to address. Using the brief as a starting point for research, a specification can be written when more facts are known.	
Complementary	<b>Complementary</b> colours appear opposite each other on the colour wheel.	
Analogous colours	Colours are called <b>analogous colours</b> when they are very similar to each other, especially when they are next to each other on a colour wheel. For example, red, red-orange, and orange are analogous colours.	

### Types of Brand logos

Tick

A **logomark**, also known as a logo symbol or brandmark, consists of a graphic element or symbol representing a brand or company. A logomark focuses solely on the visual representation without incorporating any accompanying typography.

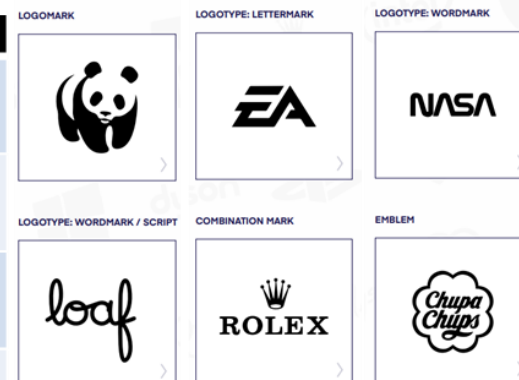
**Lettermark** logos, also known as monogram logos or letter logos, consist of initials, abbreviations, or acronyms of a brand or company name. Instead of using the full name of the organisation, these logos focus on creating a visual representation using one or more letters.

A **wordmark** logo consists of a stylised or custom-designed typography-based representation of a brand or company name. It focuses on the visual arrangement and design of the text itself, rather than incorporating additional graphic elements or symbols.

A **wordmark or script logo** consists of the company or brand name represented in a unique, stylised, and often artistic manner. Instead of relying on symbols, icons, or graphic elements, it focuses solely on typography and the visual presentation of the text.

A **combination mark** logo combines both text and a visual symbol or icon. It typically incorporates a unique visual element alongside the brand name or company name.

**Emblem logos** combine text and imagery into a single integrated unit. They are characterised by their compact, symmetrical shapes and often have a traditional or vintage aesthetic. They typically feature a detailed, illustrated graphic or symbol enclosed within a border or frame, with the company or brand name placed below or around the graphic.








**Remember:** A well-designed logo is timeless, memorable, and represents the essence of the brand. Using a limited palette means that you're only using a few select colours in your piece. It's not an entire gamut of the rainbow, but just two or three colours that you stick to for the entire illustration

**Adobe Illustrator** is a vector based design program developed to create logos, icons, drawings, typography and complex illustrations.



# Bournemouth School: History Department: Knowledge Organiser: Year 7: Autumn 1: Medieval England

History skills: Key terms/definitions			1066: Timeline of key events:		✓		
Term	Definition	✓	5 <sup>th</sup> January: Edward the Confessor died 7 <sup>th</sup> January: Harold Godwin crowned king Spring: William prepares an army Spring: Harald Hardrada prepares an army 18 <sup>th</sup> September: Hardrada lands at Humber 20 <sup>th</sup> September: Battle of Fulford 25 <sup>th</sup> September: Battle of Stamford Bridge 28 <sup>th</sup> September: Normans land at Pevensey 14 <sup>th</sup> October: Battle of Hastings 25 <sup>th</sup> December: William crowned king of England				
Source	Primary information taken from the time which we are studying						
Interpretation	Secondary information created after the time which we are studying						
Chronology	A list or explanation of events in the order in which they happened						
BC	'Before Christ': i.e. years before the start of the Christian calendar						
AD	'Anno Domini': 'Year of our Lord': i.e. years after the birth of Jesus Christ						
Century	Group of one hundred years: e.g. 1976 is in the 20 <sup>th</sup> century						
Anachronism	A feature which would not fit into the time which we are studying						
Change	Aspects of historical features/people/society becoming different		<b>Key people</b>				
Continuity	Aspects of historical features/people/society which stay the same						
 <p>The <b>Bayeux Tapestry</b> was created after the Battle of Hastings to commemorate their victory. It was woven in England but planned and designed by the Normans. It was probably made for Bishop Odo, William's brother. It is around 75 yards long and 20 inches high. The above scene shows the death of Harold Godwin, but it is uncertain as to whether he was killed by an arrow in the eye: historians differ...</p>		✓				✓	
			<b>Edward the Confessor:</b> King of England 1042-66			<b>Harald Hardrada:</b> King of Norway 1046-66	
			<b>Harold Godwin:</b> King of England Jan.-Oct. 1066			<b>William of Normandy:</b> King of England 1066-1087	
		<b>Completing the Conquest:</b> After winning the Battle of Hastings on 14 <sup>th</sup> October 1066, the Normans took a series of steps to complete their conquest of England. For example...			✓		
		<b>Feudal System</b>	Dividing up land to barons/knights in return for providing loyalty and military service (barons would provide knights for 40 days)				
		<b>Domesday Book</b>	In 1086 William ordered a survey of England, so that he had a thorough record of the country to help him collect taxes				
		<b>Building castles</b>	The Normans built castles to house themselves and protect their soldiers. From 1066-1087 the Normans built around 100 castles.				
<b>Hunting Laws</b>	The Normans stopped the Saxons from hunting in the forests, with severe punishments if they didn't follow the law.						
<b>Castle design:</b> Castle design changed during the period after the Norman Conquest:		✓	<b>Did you know...?</b> Methods for defending different types of castles included mottes (steep hills), crenelations, drop holes, arrow slits, thick/sloping walls, moats, ditches and postern gates. Methods for attacking castles included scaling ladders, siege towers, battering rams, siege mining, mangonels and trebuchets. The invention of gunpowder changed all of this.			✓	
11 <sup>th</sup> century	Wooden motte and bailey castles						
12 <sup>th</sup> century	Growth of stone square keep castles						
13 <sup>th</sup> /14 <sup>th</sup> centuries	Edward I designed concentric castles with 'walls within walls'						
15 <sup>th</sup> century	More peaceful times: castles were used more as stately homes						



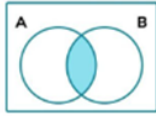
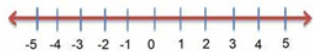


Year 7 – Maths – Autumn 1

Keyword	Definition	Example(s)
<b>Debit</b>	The amount paid out of an account	Start with £20. If there is a debit of £12, the total is now £8.
<b>Credit</b>	The amount paid into an account	Start with £20. If there is a credit of £12, the total is now £32.
<b>Balance</b>	The amount remaining in the account	
<b>Ascending order</b>	Smallest to Largest	-2, -7, 5, 3, 12, -15, -1 in ascending order: -15, -7, -2, -1, 3, 5, 12
<b>Descending order</b>	Largest to Smallest	1.4, 1.46, 1.04, 1.405, 1.004 in descending order: 1.46, 1.405, 1.4, 1.04, 1.004
<	Less than	$2.6 < 3.7$
>	Greater than	$-12 > -61$
<b>BIDMAS</b>	Order of Operations: Brackets Indices Division and Multiplication Addition and Subtraction	$(3 + 2)^2 + 3 \times 2$ $= 5^2 + 3 \times 2$ $= 25 + 3 \times 2$ $= 25 + 6$ $= 31$
<b>Multiplying without a calculator</b>	You need to be confident in at least one of: <ul style="list-style-type: none"> <li>Long multiplication</li> <li>The grid method</li> <li>The Lattice method</li> </ul>	<p>Long Multiplication:</p> <pre>       2 9     x 1 2 5     -----       1 4 5       5 8 0       2 9 0 0     -----     3 6 2 5      = 3625 </pre>
<b>Multiplying decimals</b>	<ul style="list-style-type: none"> <li>Remove the decimal points</li> <li>Multiply using a written method</li> <li>Place the decimal point so that the answer has the same total of decimal places as the question.</li> </ul>	$0.02 \times 3.12 = 0.0624$  $2 \times 312 = 624$  $0.02 \times 3.12 = 0.0624$

Keyword	Definition	Example(s)												
<b>Dividing by decimals</b>	Scale both numbers up by multiples of 10 until the divisor is an integer, then use short division carry out the division.	$\frac{12.3}{0.15} = \frac{1230}{15}$ $1230 \div 15 = 82$												
<b>Decimal Places</b>	How many digits follow the decimal point	12.17453 to 3dp = 12.175												
<b>Significant Figures</b>	Start counting from the first non zero digit. After this zeros are included.	62823 to 3sf = 62800 0.000264 to 1sf = 0.0003												
<b>Estimate</b>	Round each number to 1 significant figure before completing the calculation	$12.35 \times 0.537$ $\approx 10 \times 0.5 = 2$												
<b>Average</b>	This is a useful statistic because it represents data with a single value.	Comparing the average mark in a test												
<b>Mode</b>	The most common value.	The mode of 4, 2, 2, 4, 3, 2 <i>Mode</i> = 2												
<b>Median</b>	The median represents the middle value when data is put in ascending order.	The median of 4, 1, 9, 2, 11, 3, 7 In order: 1, 2, 3, 4, 7, 9, 11 <i>Median</i> = 4												
<b>Mean</b>	A measure of central tendency  <b>Mean</b> = $\frac{\text{sum of the values}}{\text{number of data values}}$	The mean of 2, 7, 4, 12, 8, 2, 19  $\frac{2+7+4+12+8+2+19}{7} = 7.71$												
<b>Range</b>	The range represents the spread of the data. Largest value – smallest value It is NOT an average	Range of 16, 2, 5, 19, 21, 4, 6, 12  <i>Range</i> = 21 – 2 = 19												
<b>Tally charts</b>	Tally charts can be used as a quick way to record data in an organised format.	<table><tr><th>Car Colour</th><th>Tally</th></tr><tr><td>Red</td><td>     I</td></tr><tr><td>Blue</td><td>  </td></tr><tr><td>Grey/Silver</td><td>        </td></tr><tr><td>Black</td><td>    </td></tr><tr><td>Other</td><td>   </td></tr></table>	Car Colour	Tally	Red	I	Blue		Grey/Silver		Black		Other	
Car Colour	Tally													
Red	I													
Blue														
Grey/Silver														
Black														
Other														
<b>Frequency table</b>	A frequency table is a way of organising collected data.	<table><tr><th>Car Colour</th><th>Frequency</th></tr><tr><td>Red</td><td>6</td></tr><tr><td>Blue</td><td>2</td></tr><tr><td>Grey/Silver</td><td>10</td></tr><tr><td>Black</td><td>5</td></tr><tr><td>Other</td><td>3</td></tr></table>	Car Colour	Frequency	Red	6	Blue	2	Grey/Silver	10	Black	5	Other	3
Car Colour	Frequency													
Red	6													
Blue	2													
Grey/Silver	10													
Black	5													
Other	3													

Year 7 – Maths – Autumn 1

Keyword	Definition	Example(s)
<b>Venn diagram</b>	Venn diagrams show the relationship between objects and how they relate to different conditions (sets)	
<b>Index/Power</b>	The number of times you multiply a base number by itself	$3^4 = 3 \times 3 \times 3 \times 3 = 81$
<b>Root</b>	The $n^{\text{th}}$ root of a number is a value which when multiplied by itself $n$ times gives the original number.	$\sqrt[3]{1000} = 10$
<b>Square Numbers</b>	The product of integers being multiplied by themselves	1, 4, 9, 16, 25, 36, 49, 64, 81... $15^2 = 15 \times 15 = 225$
<b>Cube Numbers</b>	The product of 3 of the same integer.	1, 8, 27, 64, 125... $10^3 = 10 \times 10 \times 10 = 1000$
<b>Prime Number</b>	An integer with exactly 2 factors – itself and one	Prime numbers: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31...
<b>Factor</b>	The integers that divide exactly in to another a number	Factors of 12 = 1, 2, 3, 4, 6, 12
<b>Product</b>	Multiplication	Product of 5 and 8 is 40
<b>Product of Prime Factors</b>	This means to find the prime numbers that multiply together to get the original integer.	$180 = 2^2 \times 3^2 \times 5$
<b>Index Form</b>	Used to group repeating factors.	$7 \times 7 \times 7 = 7^3$
<b>Integer</b>	A positive or negative whole number.	
<b>Highest Common Factor (HCF)</b>	The largest factor that 2 or more numbers share	HCF of 8 and 12 is 4
<b>Lowest Common Multiple (LCM)</b>	The smallest multiple that 2 or more numbers share	LCM of 8 and 12 is 24
<b>Positive number</b>	Numbers greater than zero. Although we do not always write it every positive number has a (+) sign in front of it.	
<b>Negative number</b>	Numbers less than zero which always have a (-) sign in front of them.	

Keyword	Definition	Example(s)																					
<b>Problem solving with HCF</b>	<b>Use when::</b> <ul style="list-style-type: none"> <li>Splitting things into smaller groups or sections</li> <li>Figuring out how many people can be invited to an event</li> <li>Trying to arrange something into rows or groups</li> </ul>	String A is 72cm long String B is 90cm long Both pieces are cut into equal lengths. What is the longest that the lengths can be? 72 – 4 lengths of <b>18cm</b> 90 – 5 lengths of <b>18cm</b>																					
<b>Problem solving with LCM</b>	<b>Use when::</b> <ul style="list-style-type: none"> <li>There is an event this is repeating over and over</li> <li>Multiple items are needed in order to have enough</li> <li>Trying to figure out when something will happen again at the same time</li> </ul>	Bell A rings every 5 mins. Bell B rings every 6 mins. They both ring together at 9:00, when is the next time they ring together? A – 9:00, 9:05, 9:10, 9:15, 9:20, 9:25, <b>9:30.</b> B – 9:00, 9:06, 9:12, 9:18, 9:24, <b>9:30.</b>																					
<b>Calculating the mean from a frequency table</b>	<p>Calculate the mean number of siblings</p> <table border="1"> <thead> <tr> <th>Number of siblings</th><th>Frequency</th><th><math>x \times \text{frequency}</math></th></tr> </thead> <tbody> <tr> <td>0</td><td>2</td><td><math>0 \times 2 = 0</math></td></tr> <tr> <td>1</td><td>3</td><td><math>1 \times 3 = 3</math></td></tr> <tr> <td>2</td><td>1</td><td><math>2 \times 1 = 2</math></td></tr> <tr> <td>3</td><td>2</td><td><math>3 \times 2 = 6</math></td></tr> <tr> <td>4</td><td>2</td><td><math>4 \times 2 = 8</math></td></tr> <tr> <td><b>Totals</b></td><td><b>10</b></td><td><b>19</b></td></tr> </tbody> </table> <p>Mean = <math>\frac{19}{10} = 1.9</math></p>		Number of siblings	Frequency	$x \times \text{frequency}$	0	2	$0 \times 2 = 0$	1	3	$1 \times 3 = 3$	2	1	$2 \times 1 = 2$	3	2	$3 \times 2 = 6$	4	2	$4 \times 2 = 8$	<b>Totals</b>	<b>10</b>	<b>19</b>
Number of siblings	Frequency	$x \times \text{frequency}$																					
0	2	$0 \times 2 = 0$																					
1	3	$1 \times 3 = 3$																					
2	1	$2 \times 1 = 2$																					
3	2	$3 \times 2 = 6$																					
4	2	$4 \times 2 = 8$																					
<b>Totals</b>	<b>10</b>	<b>19</b>																					

**Folk music** orally-transmitted music that comes from a specific region or culture

**Sea Shanty** – a song sung by people at sea

**Work Song** – a song sung by people whilst doing a job of work which was repetitive and rhythmic. The song helped keep the workers in time and raised morale.

**A Capella** – unaccompanied singing (no instruments playing a backing)

**Solo** – one voice singing on its own



**Shanty man** – the name given to the soloist who leads in a sea shanty

**Ensemble** – when the whole group sings in response to the soloist

**Call and Response** – one person does a solo call which is responded to by the ensemble

## Dynamics

Word Used to describe volume in music

<i>pp</i>	<i>p</i>	<i>mp</i>	<i>mf</i>	<i>f</i>	<i>ff</i>
<i>pianissimo</i>	<i>piano</i>	<i>mezzo piano</i>	<i>mezzo forte</i>	<i>forte</i>	<i>fortissimo</i>
Very quiet	Quiet	Fairly quiet	Fairly loud	Loud	Very loud
		<i>crescendo (cres.)</i>		Getting louder	
		<i>diminuendo (dim.)</i> or <i>decreasing (decre.)</i>		Getting quieter	



This QR code will take you to a Spotify playlist with audio examples for sea shanties. You will find it helpful to listen to these as you learn.

Keyword	Learn	✓
Diversity	Range of differences in people including points of view, culture, background, religion and ethnicity	
Prejudice	Making a judgement not based on reason	
Enterprise	A difficult project that requires problem solving skills	
Stereotypes	A view based on the 'group' a person belongs to. The 'group' can be based on anything, for example a persons accent	
Transition	The process of change – for example moving to a new school	
Respect	Is an attitude you show towards others that accepts and values their views and differences without judgement.	
Tolerance	Accepting other points of view and listening regardless of whether or not you agree.	
Listening	When you are quietly hearing the comments of others and thinking about them.	
Contributing	Openly and honestly offering your point of view.	
Empathy	Identifying with the views of others.	
Trust	Believe in the reliability, truth, ability, or strength of a person.	
Encourage	Give support, confidence and advice to help development	

**Never accept bullying, always report it!**

### Personal Development is

**Personal** - to do with ourselves

**Relationships** - how we relate to others and how they relate to us

**Sex** - how we interact and relate to others in a sexual sense

**Health** - about looking after our bodies, mentally and physically

**Careers** - how we plan and develop our careers

**Economics** - all about managing our money (the E also stands for education too)



### Golden rules of friendship

- **The givens:** support, encourage, trust and be honest.
- **Listen** to your friends.
- **Accept** your friends for who they are.
- **Respect** your friends and their boundaries.
- **Forgive** where you can and seek forgiveness when you mess up

### Managing Change – transition is how we describe the process of change – top tips

- ▶ **Ask** for help, advice or guidance from a teacher or a prefect
- ▶ **Remember** you are not alone
- ▶ **Talk** about your experience
- ▶ **Plan** ahead, be prepared for the challenges you are aware of

### PD Classroom Rules

**Openness:** Be open and honest. However, do not discuss others' personal/private lives - try to use examples.

**Keep the conversation in the room:** You should feel safe discussing issues and be confident that your contributions will not be shared outside this room. If your teacher has concerns that someone is at risk of harm they have a duty to refer.

**Non-judgmental approach:** It is okay for us to disagree with another person's point of view but do not judge, make fun of, or put anybody down. - 'challenge the opinion, not the person'.

### Right to pass: Taking part is important.

However, you have the right to pass on answering a question and you will not put anyone 'on the spot'.

**Make no assumptions:** Do not make assumptions about people's values, attitudes, behaviours, identity, life experiences or feelings. Listen to other people's views respectfully and expect to be listened to.

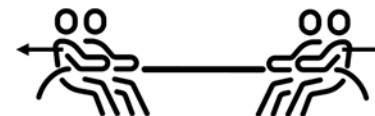
**Use appropriate language:** Use the correct terms rather than slang terms - they can be offensive.

**Ask questions:** You are encouraged to ask questions. However, do not ask personal questions or say anything to embarrass someone.



Keyword	Learn	✓
contact forces	objects must be touching to exert force.	
non-contact force	objects exert force when physically separated.	
examples of contact forces	normal contact force, upthrust (buoyancy), friction, air resistance, tension	
examples of non-contact forces	weight (force due to gravity), magnetic, electrostatic	
Newton (N)	unit of force	
resultant force	single force that can replace multiple forces acting on an object	
extension	difference between the stretched and unstretched lengths of a spring	
elastic deformation	spring will return to its original shape when the force is removed	
independent variable	the variable which is changed in an experiment	
dependent variable	the variable which is measured in an experiment	
control variables	the variables which are kept the same in every repeat of an experiment	

## Balanced Forces



If the forces in opposite directions are equal, we call them balanced forces. The resultant force is zero.

The object remains stationary or continues moving at a constant speed.

## Unbalanced Forces



If the forces in opposite directions are not equal, we call them unbalanced forces. The resultant force is not zero.

The object speeds up, slows down or changes direction.

## Drawing Graphs – SPLAT

**S**cale – evenly spaced multiples of 2 or 5







**P**oints – plotted accurately

**L**ine – single straight or curved line of best fit

**A**xes – labelled with units

**T**itle – meaningful title

## 6 Main Religions

<b>Name of Religion</b>	<b><u>Christianity</u></b>	<b><u>Islam</u></b>	<b><u>Hinduism</u></b>	<b><u>Buddhism</u></b>	<b><u>Sikhism</u></b>	<b><u>Judaism</u></b>
<b>Holy Book</b>	Bible	Qu'ran	Vedas	Tripitaka	Guru Granth Sahib	Torah
<b>Place of worship</b>	Church	Mosque	Mandir / Temple	Temple	Gurdwara	Synagogue
<b>Symbol</b>	Cross/ fish 	Star and Crescent 	Omka 	Wheel of Dharma 	Khanda 	Star of David 
<b>Important Person / Founder</b>	Jesus	Muhammed	None	Buddha	Guru Nanak	Abraham
<b>Any other information: (e.g important festivals, rituals etc.)</b>	Christmas Easter	Eid Ramadan Muslim Allah	Diwali	Dalia Lama Wesak Dharma Day	Diwali	Hannukah Passover

### Introducing yourself

¡Hola!	Hello	
¿Qué tal?	How are you? (Informal)	
bien	well	
fenomenal	amazing	
regular	not bad	
fatal	awful	
Adiós	Goodbye	

### ¿Cómo te llamas?

¿Cómo te llamas?	What's your name?	
Me llamo...	My name is...	
Se escribe...	It is written...	
Mi hermano se llama	My brother is called	
Mi amigo se llama	My friend is called	
¿Dónde vives?	Where do you live?	
Vivo en...	I live in..	

### ¿Cuántos años tienes?

¿Cuántos años tienes?	How old are you?	
Tengo...años	I am...years old	
¿Cuándo es tu cumpleaños?	When is your birthday?	
Mi cumpleaños es el... de...	My birthday is on the... of...	
¡Hasta luego!	See you later!	

### Useful phrases

Presente	Present	
Por favor	Please	
Gracias	Thank you	
¿Qué significa.....?	What does... mean?	
¿Cómo se dice ... en español?	How do you say?	
Se escribe...	It is written...	
He terminado	I have finished	

### Los números

uno	1		dieciséis	16	
dos	2		diecisiete	17	
tres	3		dieciocho	18	
cuatro	4		diecinueve	19	
cinco	5		veinte	20	
seis	6		veintiuno	21	
siete	7		veintidós	22	
ocho	8		veintitrés	23	
nueve	9		veinticuatro	24	
diez	10		veinticinco	25	
once	11		veintiséis	26	
doce	12		veintisiete	27	
trece	13		veintiocho	28	
catorce	14		treinta	30	
quince	15		treinta y uno	31	

### High Frequency words

bastante	quite	
muy	very	
un poco	a bit	
no	no/not	
pero	but	
y	and	
también	also	
mi/mis	my	

### Essential verbs

Ser	To be	
soy	I am	
eres	you are	
es	he/she/it is	
somos	we are	
sois	you all are	
son	they are	

### Tener To have

Tener	To have	
tengo	I have	
tienes	you have	
tiene	he/she/it has	
tenemos	we have	
tenéis	you all have	
tienen	they have	

<u>Los meses</u>	<u>The months</u>	
enero	January	
febrero	February	
marzo	March	
abril	April	
mayo	May	
junio	June	
julio	July	
agosto	August	
septiembre	September	
octubre	October	
noviembre	November	
diciembre	December	

<u>Los días</u>	<u>The days</u>	
lunes	Monday	
martes	Tuesday	
miércoles	Wednesday	
jueves	Thursday	
viernes	Friday	
sábado	Saturday	
domingo	Sunday	

<u>Los colores</u>	<u>Colours</u>	
amarillo/a	yellow	
blanco/a	white	
rojo/a	red	
negro/a	black	
verde	green	
gris	grey	
azul	blue	
marrón	brown	
naranja	orange	
rosa	pink	
violeta	purple	

<u>Los animales</u>	<u>Animals</u>	
¿Tienes animales?	Do you have animals?	
Tengo...	I have..	
un caballo	a horse	
un conejo	a rabbit	
un gato	a cat	
un perro	a dog	
un pez	a fish	
un ratón	a mouse	
una cobaya	a guinea pig	
una serpiente	a snake	
una rata	a rat	

<u>Los adjetivos</u>	<u>Adjectives</u>	
Soy...	I am...	
Es...	He / she is...	
divertido/a	amusing	
estupendo/a	brilliant	
generoso/a	generous	
genial	great	
guay	cool	
listo/a	clever	
serio/a	serious	
simpático/a	nice/kind	
tímido/a	shy	
tonto/a	silly	
tranquilo	quiet/calm	

<u>Mi familia</u>	<u>My family</u>	
mi padre	my father	
mi madre	my mother	
mis padres	my parents	
un / mi hermano	a / my brother	
una / mi hermana	a / my sister	
un / mi hermanastro	a / my stepbrother	
una / mi hermanastra	a / my stepsister	
soy hijo único	I am an only child	
soy hija única	I am an only child (f)	
tengo un hermano	I have a brother	
no tengo hermanos	I don't have siblings	
Se llama/se llaman	Is/are called	

# Timetable

[illegible]