

Year 8 Learning Journal Learning Cycle 1

Student Name:_____





Summarise

Organise

Recall

Test Yourself

class notes,
handouts and wider
reading to
condense and
transform them as
you go along (saves
time and stress
closer to exams).

Organise your notes and revision using PLCs (or Exam Specifications) and create Revision Timetables, to focus time and effort on weaknesses.

Use active recall and spaced repetition to memorise the information.

Test Yourself using low stakes and high stakes questions to check you can apply knowledge and understanding.

40%

10%

30%

20%











Recall



Steps to Success with your Studies

Condense



Flash Cards

Cornell Notes



Dual Code

Sketchnotes

Mind Maps or

Transform

Organisers









Organise Folders

PLCs or Exam Specs

Weekly)









Revision Timetable

(Weekly Review)



Interleave





Leitner System Flash Cards)







Organise

wije

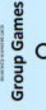




Cover Write Look Say Check (Testing Effect) **Active Recall**







Page Retrieval

Blurt - Blank





Stakes Low

Stakes

High

Multiple Choice







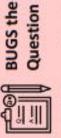








Mark Schemes Write Plans &





N. S.

using PLC Write Qs

品

or App

Online Quiz



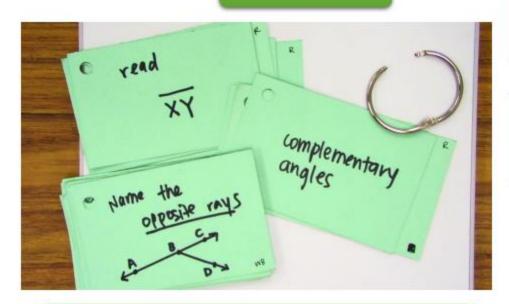
Find out more at: tretherras.net/nt-revision-resources/



How to Summarise using ...



Flash Cards



How do I make one/use one?

- Break down topics/subject into different units (you can use different colour cards)
- Use bullet points (to help readability)
- Doesn't always have to be question and answer use variety
- Don't cram too much on one flash card (or just use one word answers!)
- Don't keep going over flash cards you know well. The 'Leitner System' is a good way to RECALL flashcards. You can also Quiz-Quiz Trade with others.

What is the idea?

A card with a key word or question on the front, and the definition or answer on the reverse.

What is it useful for?

- Learning definitions/meanings
- Learning a language/translations
- Learning short case study/topic facts

Pros	Cons
Useful for revising on the go (easy to carry).	Simply copying questions and answers/definitions out of textbooks to make the cards, or just reading them over and over,
You can test yourself using the front or	doesn't improve your recall.
the back of the card.	You can make them too simple (long question, one word answer.)
You can buy Ready	
made flashcards or use online flashcards e.g.	Doesn't help your visual memory (unless they have images).
Quizlet.	Does not help you make links/ apply facts and detail to high tariff questions.



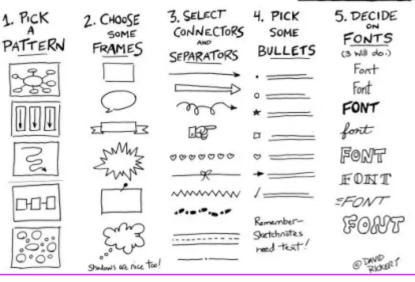
How to Summarise using ...



Intelligent Graffiti (Sketchnotes)

to draw SKETCHNOTES

Sketchnotes we NOT comics or illustrated text. They are visual guides, follow Hese steps to get storted.



How do I make one/use one?

- The first rule of intelligent graffiti is THERE ARE NO RULES! (The following are just suggestions)
- Don't write down everything and use abbreviations.
- 3. Your notes do not need to be linear it's up to you how they flow (they only need to make sense to you).
- Vary handwriting & add emphasise to draw eye to key points.
- 5. Use connectors and containers to link and organise ideas.
- 6. Include diagrams and images to represent ideas.

What is the idea?

Filling a page with notes and diagrams about a topic. Making connections between ideas and emphasising important information.

What is it useful for?

- Case studies/topic overview
- Making links between different parts of a topic and emphasising the importance of information.

Pros Cons There are no rules (flexible They can be tim

There are no rules (flexible depending on you and the topic you are studying)

Your notes will be compact, colourful and visual so this makes them easier to review.

You can make connections between ideas within the topic.

Converting notes into images and words helps your brain learn as it combines visual and verbal memory (dual coding). They can be time consuming to create.

Students do not always include enough detail (not helpful if you need to remember a lot of detail!)

The notes may be so 'free' they are hard for you to follow again/ make sense of.





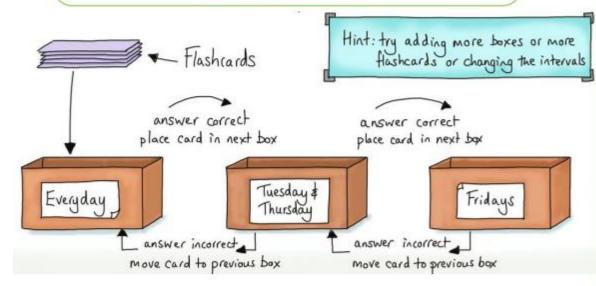
How to Recall using ...



Leitner System (For Flash Cards)

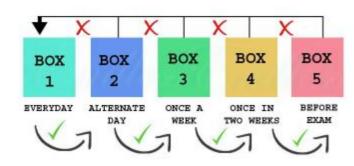
What is the idea?

To revisit flash cards you don't know more frequently and the ones you do know less frequently. Making your revision more efficient.





YouTube Tutorial



How do I use this method?

- Create 3 to 5 boxes, folders or piles.
- Label them as shown in the diagram below.
- Put all your flashcards (or a set number) in Box 1
- On day 1 try to recall the information on the flashcards in Box 1
- If you get a flashcard correct move it into Box 2
- If you get a flashcard wrong it stays in Box 1
- On day 2 go through Box 1 and Box 2.
- 8. Every time you get a card correct it moves forward one box, every time you get it incorrect it goes all the way back to Box 1!
- Keep visiting the boxes at the time indicated on the label.
- You can add more cards to Box 1 at any time.





How to Recall using ...



Blurting





maken him by the book has been come only from some 110 had a property to be to the come of the come of

What is the idea?

To write everything you remember on the topic you have been revising. It doesn't matter what form this takes (e.g. notes/mind map etc). Check against your revision notes to see what you got right/wrong and make corrections in a different colour. Repeat.



YouTube Tutorial Video Link

How do I use this method?

- Revise a topic/sub-topic
- When you think you know it, put your revision notes away.
- 'Blurt' what you remember onto a piece of blank/scrap paper or a mini whiteboard.
- Use any method of organizing your ideas on the paper.
- Once you have got down everything you remember, get out your notes and see what you missed/got wrong.
- 6. Make corrections in red pen.
- Focus on learning the bits you missed/got wrong next time you revise.
- Repeat! Always start again from scratch and try to recall everything (don't just try and recall the bits you missed/got wrong), this will strengthen your knowledge of the whole topic.



English and Maths Personal Learning Checklists

English and waths religional Learning On				
English Mystery and The Supernatural	S	0	R	Т
About His Person ar	nd Flai	nnan l	<u>sle</u>	
What the purpose of the semantic field in About His Person?				
How does the writer create a sense of mystery in About His Person?				
How do writers create mood and tension in Flannan Isle?				
What do you think happened to the lighthouse keepers in Flannan Isle?				
The Speckle	d Ban	<u>d</u>	-	
Explain the difference between a protagonist and an antagonist.				
How does Doyle portray Sherlock's character as unique?				
How is Helen Stoner represented?				
What do you think will happen in the second half of the story?				
What are the conventions of a detective story? How is Dr Roylott presented?				
How is the setting of the				
house used to create mystery?				
How does Doyle adhere to the conventions of a detective story?				

English Mystery and The Supernatural	S	0	R	Т
The Lo	ttery			
What symbolism does Jackson use to create a sense of foreboding?				
How does Jackson explore ideas about patriarchy?				
How does Jackson highlight the futility of tradition?				
What is the significance of Mr Summers?				
Non-Fictio	n (Wa	<u>r)</u>		
What do you remember about the Blitz in World War II?				
Why does Bowen leave the ending ambiguous?				

Maths Ratio & Scale	Sparx Code	S	0	R	Т
Understand representations and notation of ratio	M885				
Solve problems involving ratios in the for 1:n, n:1 and m:	M543				
Divide a value into a given ratio	M525, M801				
Express ratios in their simplest form	M885				
Compare ratios and related fractions	Q267				
Understand π as the ratio between diameter and circumference	M169				
Understand gradient of a line as a ratio (H)	M544				
Maths Multiplicative Change	Sparx Code	S	0	R	Т
Solve problems involving direct proportion	M478, M681				
Explore conversion graphs	M843, M771				
Convert between currencies	M478				
Explore direct proportion graphs (H)	M478, M681				
Explore relationships between similar shapes	M324				
Draw and interpret scale diagrams	M112				
Interpret maps using scale factors and ratio	M112				

Maths Multiplying and dividing fractions	Sparx Code	S	0	R	Т
Multiply a fraction by an integer and a	M157,				
fraction by a fraction	M197				
Divide an integer by a fraction and a	M110,				
fraction by a fraction	M265				
Multiply and divide improper and mixed	M601,				
fractions (H)	M197				
Multiply and divide algebraic fractions	M336				
(H)					
Maths Working in the Cartesian Plane	Sparx Code	S	0	R	т
Work with coordinates in all for	M618				
quadrants					
Recognise and draw lines in the form y =	M797				
a, x = a and y= x					
Recognise and use lines in the form y =					
kx					
Explore gradients of lines in the form y =	M544				
kx, including negative gradients (H)					
Recognise and use lines in the for $y = x +$					
а					
Link graphs to linear sequences	M381				
Plot graphs in the for y = mx + c	M932,				
	M544,				
	M888				
Explore non-linear graphs (H)					
Find the midpoint of a line segment (H)	M622				

Maths Representing Data	Sparx Code	S	0	R	Т
Draw and interpret scatter graphs including line of best fit					
Understand and describe linear correlation					
Identify types of data					
Represent grouped discrete and continuous data in tables					
Represent data in two-way tables	M899				
Interpret ungrouped and grouped frequency tables	M945				
Maths Tables and probability	Sparx Code	S	0	R	Т
	•	S	0	R	Т
Tables and probability Find probabilities from sample	Code	S	0	R	Т
Tables and probability Find probabilities from sample space diagrams Find probabilities from two-way	Code	S	0	R	Т
Tables and probability Find probabilities from sample space diagrams Find probabilities from two-way tables Find probabilities from Venn	Code	S	O	R	Т

Science Personal Learning Checklists

Science Elements of the periodic table	S	0	R	Т
Atomic structure				
Periodic table				
Metals and non-metals				
Reactivity series				
Oxides and combustion				
Alkali metals				

Science Chemical Reactions	S	0	R	Т
What is a chemical reaction				
Combustion and thermal decomposition				
Conservation of mass				
Rates of reaction				
Energy changes				
Endo and exo thermic reactions				
Neutralisation				

Spanish Personal Learning Checklists

Spanish Mis Vacaciones-My holidays	S	0	R	т
talk about a past holiday				
use the preterite tense of <i>ir</i> and <i>ser</i>				
say what you did on holiday				
revise the regular preterite tense				
describe the last day of a holiday				
give opinions about what the holiday was like				
list types of transport				
use comparatives				
describe types of holiday accommodation				
describe a local hotel and its facilities				
book accommodation				
describe the weather				
say what I do on holiday normally (activities)				
find out about a gap year in a Spanish speaking country				
research interesting places to visit in a Spanish speaking country				
write a travel plan using the present tense				
revise days of the week, time phrases and opinions				
Write 40-90 words about a past holiday				
USE YOUR VOCAB BOOKLET TO SORT YOUR LEARNING				

Spanish Todo sobre mi vida- All about my life	S	0	R	т
find out about <i>Día de los Muertos</i>				
give my opinion about different types of tv programmes/films/books				
use adjectives to correctly describe tv programmes/films/books				
compare two different types of tv programme/film/book				
discuss use of mobile phones				
talk about different internet activities that I do online				
use questions to create mini conversations about this topic				
pick out key information in listening and reading tasks				
give more sophisticated opinions				
use the preterite tense to say what I did last weekend				
write at least 40 words on the topic using past present & future tense				
give information about Christmas in Hispanic countries				
USE YOUR VOCAB BOOKLET TO SORT YOUR LEARNING				

French Personal Learning Checklists

French Mes vacances (My holidays)	S	0	R	Т
say what I did on holiday				
understand how to form regular perfect tense verbs				
know a range of transport				
say when I did things using time phrases				
recognise irregular past participles				
give my opinion in the imperfect tense				
understand information about a tourist attraction				
describe types of holiday accommodation				
describe a local hotel and its facilities				
book accommodation				
describe the weather				
say what I normally do on holiday (activities)				
find out about a gap year in Québec				
identify several French-speaking countries				
research interesting places to visit in a French- speaking country				
research interesting places to visit in a French-speaking country				
write 40/90 words using two tenses (the present and the perfect tense)				
USE YOUR VOCAB BOOKLET TO SORT YOUR LEARNING				

French Au Cinéma et sur Internet (At the cinema and on the internet)	S	0	R	Т
describe what happens during the French festival la Toussaint				
give my opinion about different types of tv programmes/films/books				
use adjectives to correctly describe tv programmes/films/books				
compare two different types of tv programme/film/book				
discuss use of mobile phones				
talk about different internet activities that I do online				
use questions to create mini conversations about this topic				
pick out key information in listening and reading tasks				
give more sophisticated opinions				
talk about what I did yesterday evening using the past (perfect) tense				
write at least 40 words on the topic using past present & future tense				
understand Christmas traditions in France				
USE YOUR VOCAB BOOKLET TO SORT YOUR LEARNING				

Geography Personal Learning Checklists

Can the Horn of Africa close the development gap?	S	0	R	Т
State at least 3 ways of measuring development.				
Use development indicators to justify which country is more developed.				
State what LIC, LMIC, UMIC and HIC mean.				
Explain how development indicators show us how developed a country is.				
Explain the relationship between development indicators.				
State the four sectors of employment				
Use the Clark-Fisher model to analyse employment change over time.				
Categorise and explain human and physical causes of the development gap.				
Evaluate the main causes of the development gap.				
Give examples of the 17 Sustainable Development Goals.				
State regional differences in development in the Horn of Africa (H of A).				
Explain human causes of underdevelopment in Somalia				
Explain the human causes of underdevelopment in Ethiopia				
State strategies to reduce the development gap				
Explain how aid can reduce the development gap				
Describe what Foreign Direct Investment (FDI) is.				
Explain how FDI can reduce the development gap.				
Explain how Fair Trade can close the development gap.				
Evaluate the effectiveness of Aid, FDI & Fair Trade in reducing the development gap				

How does water shape the land?	S	0	R	Т
Label a diagram of a drainage basin correctly.				
State the characteristics of the river channel from the source to the mouth.				
Explain how the river valley, its landforms and processes change from source to mouth.				
Name the key features of a waterfall.				
Define the 4 different types of river transportation.				
Give examples of 4 different types of river erosion.				
Identify the difference between the inside and outside of a meander bend.				
Outline how an oxbow lake is formed.				
Describe how flood plains are formed and how humans use them.				

History Personal Learning Checklists

History	S	0	R	Т
Who were the African Americans?				
What was the worst aspect of the Middle Passage?				
Empire: why was if important?				
How do we move from an agrarian to industrial society?				
Cornwall: how important was Cornwall to Britain's growing Empire?				

History	S	0	R	Т
Origins of World War One: Diplomacy				
Europe on the Brink of war: how the alliance system worked				
The Spark that changed the world				
The journey and experience of World War One: joining up!				
Life in the trenches: a personal account				

Computing	S	0	R	т
Python Turtle)			•
Understand how to use basic commands in				
Python Turtle				
Understand what iteration is and why it is				
used in programming				
Explain the use of inputs and outputs in				
programming				
Understand the need for subroutines and				
their advantages				
Understand the use of libraries and how				
they might be used in programming				
Understand how selection is used to alter				
the output of programs				

Computing First Steps in Small Basic	S	0	R	Т
Understand that different programming				
languages use different syntax				
Write and run programs in Small Basic				
using ForEndFor loops				
Find and correct logic errors in a				
program				
Use the graphics window to draw				
different shapes in random colours				
Take in user input and output text results				
back				
Use variables effectively to store data				
Use Small basic to complete				
mathematical calculations				
Create a simple quiz game using				
selection statements				

REP & Art Personal Learning Checklists

REP Hinduism	S	0	R	Т
Describe how Hindus understand Brahman				
Identify the Trimurti				
Explain the roles of each of the Trimurti				
Describe what an Avatar is and give an example				
State what a Murti is				
Explain what a puja ritual is				
Describe the process of karma				
Explain what caste is and how it is linked to karma				
State what Moksha is				
Describe the roles and responsibilities of each of the Ashramas				
State what a Mandir is				
Explain the importance of shrines				
Explain what Diwali is				
Describe the story of Rama and Sita				
State what meditation is				

Art Mexican Day of the Dead	Evidenced	Refined
I am building on my prior knowledge of		
How to analyse artists' styles to influence my own work.		
Proportion and shape to be accurate in my drawing		
Using a variety of tone when shading to create depth in my work.		
Mark making techniques to show texture and detail in my drawings.		
Closely observing and drawing from secondary sources to create realistic drawings.		
I am developing my skills in		
Looking at other cultures to influence my own designs and art work		
The use of pattern and composition in my designs and art work		
Developing skills in creating an oil pastel mono print		
Exploring opportunities to develop monoprints by adding detail or further layers.		

Music Personal Learning Checklists

Heart of the Blues	S	0	R	Т
Develop your understanding of the Slave Trade including the geographical movement, historical context and conditions.				
Understand a 12 Bar Blues structure and how it is constructed				
Enhance your understanding of a 12 Bar Blues structure by learning to play in different keys				
Develop your listening skills by listening to traditional Blues Music. Identify the instruments used and key features.				
Be able to construct a chord using the method play one, miss one, play one, miss one				
Be able to play a chord on the keyboard using the method play one, miss one, play one, miss one, using the correct fingers				
Learn to play three different chords following a 12 bar blues pattern, knowing when to change chord.				
Follow traditional notation to play the melody line in 'Jackass Blues'				
Using the Blues scale, have a go at improvising on your instrument.				
Enhance your improvisation skills by varying the rhythm and notes used.				
Play as part of an ensemble to perform the melody, chords and improvised fills in 'Jackass Blues'				
Extend your performance skills by learning to play a walking bass line.				

Video Game Music	S	0	R	Т
Describe how a character/motif theme can be adapted by manipulating the elements of music using subject specific vocabulary				
Create an effective character theme for use in different scenarios or atmospheres within a computer or video game.				
Perform and/or create a range of effective computer and video game sound effects				
Perform a range of computer and video game music themes using appropriate sounds, timbres, voices and pitch				
Create, perform and present on GarageBand an original piece of computer or video game music using some characteristic features.				

Drama & DT Personal Learning Checklists

Drama	S	0	R	Т
By the end of this topic I will be able to:				
Independently research a real-life story				
Have opinions on how our own situations relate to others around the world				
Create a piece of theatre in education teaching the audience about a young person				
Use narration, imagery and cross cutting to tell their story				
By the end of this topic I will be able to:				
Describe the main characters from the story				
Explore how people and relationships can change when growing up				
Use still image to explore relationships on stage				
Create a scene where the key character is intimidated				
Analyse characters to develop the plot of an issue-based drama				
Create and contribute to a whole class live performance				

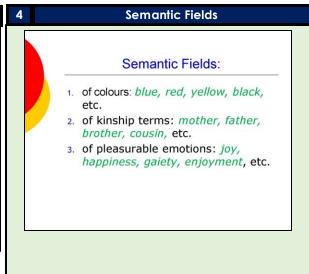
Food	S	0	R	Т
I will be able to annotate my design in detail				
I will be able to weigh and measure accurately				
I will understand the function of main food groups in the body				
I will know what is meant by food provenance, including seasonality, buying local and reducing food miles				
I will be able to demonstrate the making o basic meals/dishes using the following methods: The reduction method for sauces The rubbing in method for crumble and scones The use of yeast to make bread				

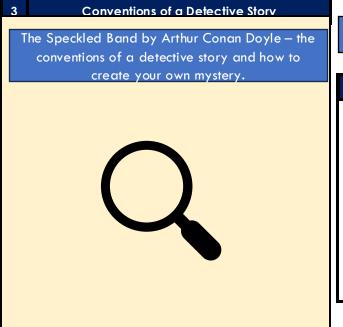
	DT	S	0	R	Т
ced to	Understand the meaning of the term 'design movement'				
Key Idea: Recognising that different periods of time are linked to different design styles	Recognise that different periods of time are linked to different design movements				
of time	Identify popular design movements and describe their principles and features				
gnising periods n styles	Use a design movement as inspiration for your own ideas				
Key Idea: Recognising that different periods different design styles	Annotate design ideas to justify how they reflect the chosen design movement				
Present design ideas to a high-quality using drawing pencil and coloured pencil					
	Key Idea: Understand the casting process				
	Recognise that many common products are manufactured by the process of casting				
ocess	Understand the principle of the casting process (negative shape will be shape cast)				
sting pr	Recognise what constitutes a successful and unsuccessful mould for a cast				
the ca	Understand that heat can cause a solid to become a liquid				
erstanding the casting process	Identify the risks and safety precautions required for the process				
Key Idea: Unde	Achieve a high-quality finish in your making work				
Key Id	Evaluate your work objectively to identify strengths and areas for improvement				

English Knowledge Organiser – Mystery & Supernatural

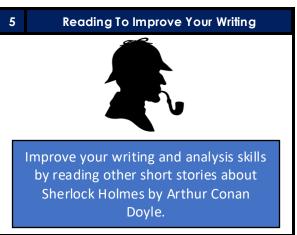
1 TIER THREE VOCABULARY			
Semantic Field	Words or phrases that can be grouped together under the same category. Writers might use a semantic field to suggest an important idea in their store.		
Genre	Particular type of literature or story – different genres of literature have different characteristics or conventions		
Gothic	Writing or stories that include dark, supernatural or sinister themes. Gothic literature often combines elements of the disturbing with beauty and fascination.		
Pathetic Fallacy	When the weather is used to reflect the mood or feeling in a story		
Atmosphere	The feeling or mood suggested in a text		
Protagonist	The main character, or hero/heroine, of a story		
Antagonist	The main villain in a story who challenges the protagonist		
Foreshadowing	When the reader is given a hint of something to come later in the story		
Caesura	When there is punctuation used in the middle of a line. Usually an interruption or a loss of control of something. It's up to you to work out what.		
Enjambment	When there is no punctuation at the end of a line of poetry. It can often reflect that something is out of control, chaotic, or is overflowing. It's up to you to work out what.		





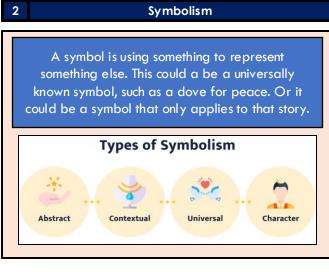


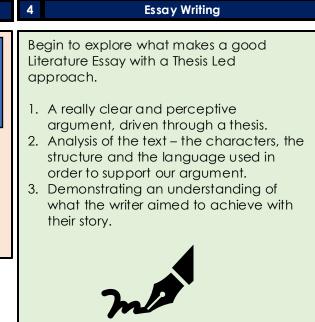
A group of words that is linked by meaning, theme or topic



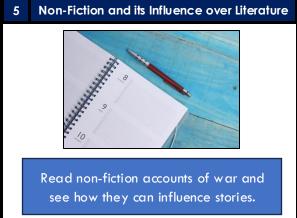
English Knowledge Organiser – Mystery & Supernatural

1	TIER THREE VOCABULARY
Inference	The conclusions that you draw about something based on the information that you are given
Human Condition	The state of humankind – why we are the way we are and behave the way we are. Writers often explore an aspect of the human condition in their writing.
Anaphora	The repetition of the same words or phrases at the beginning of more than one sentence
Symbolism	When something, usually a physical item, is used to represent an idea or concept that is important to the story
Narrative Voice	The voice that tells the story. This can sometimes be a character in the story or it can be what is called 'omniscient' – separate and unconnected to the story.
Alliteration	When the same sound is repeated at the start of several words.
Rhetorical Question	Questions in a story that are there to establish intrigue or doubt
Motif	An item, usually a physical item, that is referred to throughout a story which represents something. A motif is usually linked to symbolism or theme
Structure	The way the writer has structured or organised their ideas in a text
Tension	The feeling of being anxious or concerned for the events that are to come in a text









Maths Knowledge Organiser – Keywords

VOCABULARY

Ratio: a statement of how two numbers compare.

Equal Parts: all parts in the same proportion, or a whole shared equally.

Proportion: a statement that links two ratios

Order: to place a number in a determined sequence

Part: a section of a whole Equivalent: of equal value.

Factors: integers that multiply together to get the original value.

Scale: the comparison of something drawn to its actual size.

Proportion: a statement that links two ratios.

Variable: a part that the value can be changed.

Axes: horizontal and vertical lines that a graph is plotted around.

Approximation: an estimate for a value.

Scale Factor: the multiple that increases/ decreases a shape in size.

Currency: the system of money used in a particular country.

Conversion: the process of changing one variable to another.

Scale: the comparison of something drawn to its actual.

Numerator: the number above the line on a fraction. The top number. Represents how many parts are taken.

Denominator: the number below the line on a fraction. The number represent the total number of parts.

Whole: a positive number including zero without any decimal or fractional parts.

VOCABULARY

Commutative: an operation is commutative if changing the order does not change the result.

Unit Fraction: a fraction where the numerator is one and denominator a positive integer.

Non-unit Fraction: a fraction where the numerator is larger than one.

Dividend: the amount you want to divide up.

Divisor: the number that divides another number.

Quotient: the answer after we divide one number by another. e.g. dividend÷ divisor = quotient

Reciprocal: a pair of numbers that multiply together to give 1.

Quadrant: four quarters of the coordinate plane.

Coordinate: a set of values that show an exact position.

Horizontal: a straight line from left to right (parallel to the x axis).

Vertical: a straight line from top to bottom (parallel to the y axis).

Origin: (0,0) on a graph. The point the two axes cross.

Parallel: Lines that never meet.

 $\label{lem:Gradient:The Steepness of a line Intercept: Where lines cross.}$

Variable: a quantity that may change within the context of the problem.

Relationship: the link between two variables (items). E.g. Between sunny days and ice cream sales.

Correlation: the mathematical definition for the type of relationship.

Origin: where two axes meet on a graph.

VOCABULARY

Line of best fit: a straight line on a graph that represents the data on a scatter graph.

Outlier: a point that lies outside the trend of graph.

Quantitative: numerical data

Qualitative: descriptive information, colours, genders, names, emotions etc.

Continuous: quantitative data that has an infinite number of possible values within its range.

Discrete: quantitative or qualitative data that only takes certain values.

Frequency: the number of times a particular data value occurs.

Outcomes: the result of an event that depends on probability.

Probability: the chance that something will happen. Set: a collection of objects.

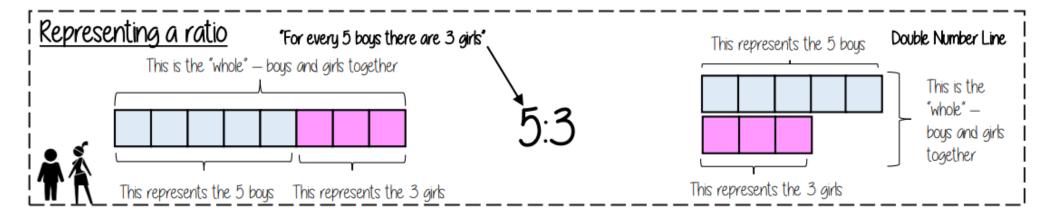
Chance: the likelihood of a particular outcome.

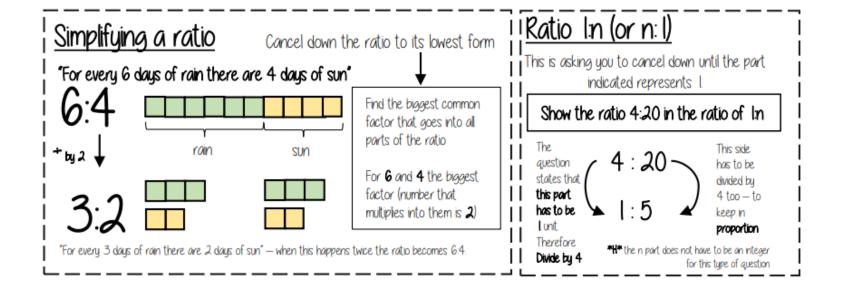
Event: the outcome of a probability – a set of possible outcomes.

Biased: a built in error that makes all values wrong by a certain amount.

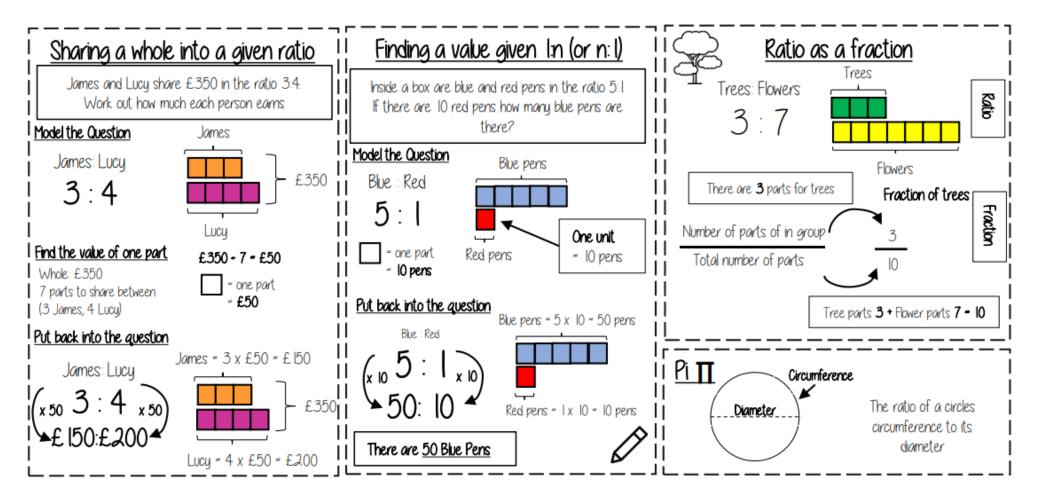
Union: Notation 'U' meaning the set made by comparing the elements of two sets.

Maths Knowledge Organiser – Ratio and Scale

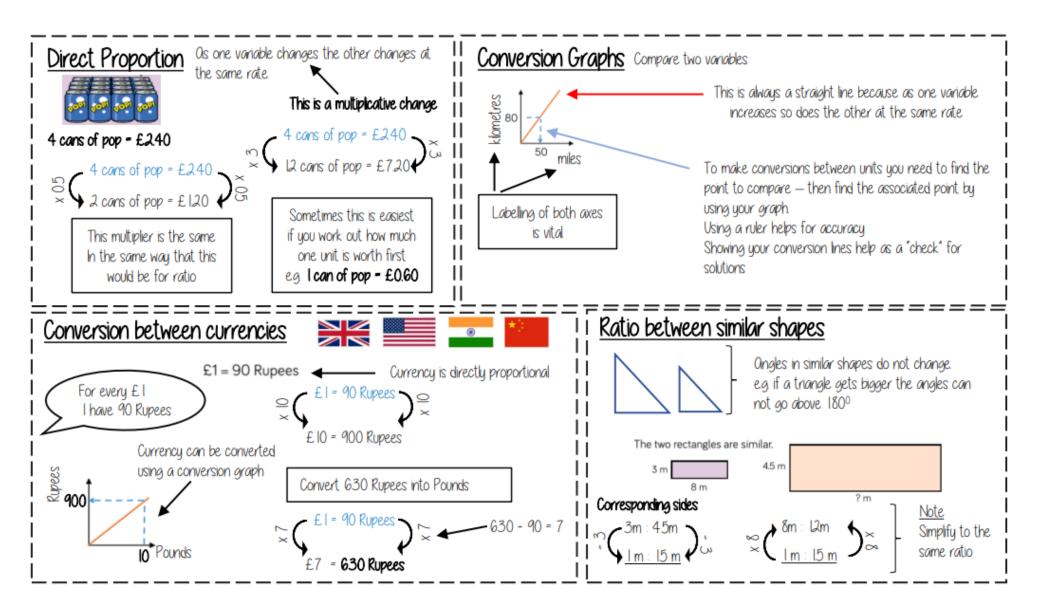




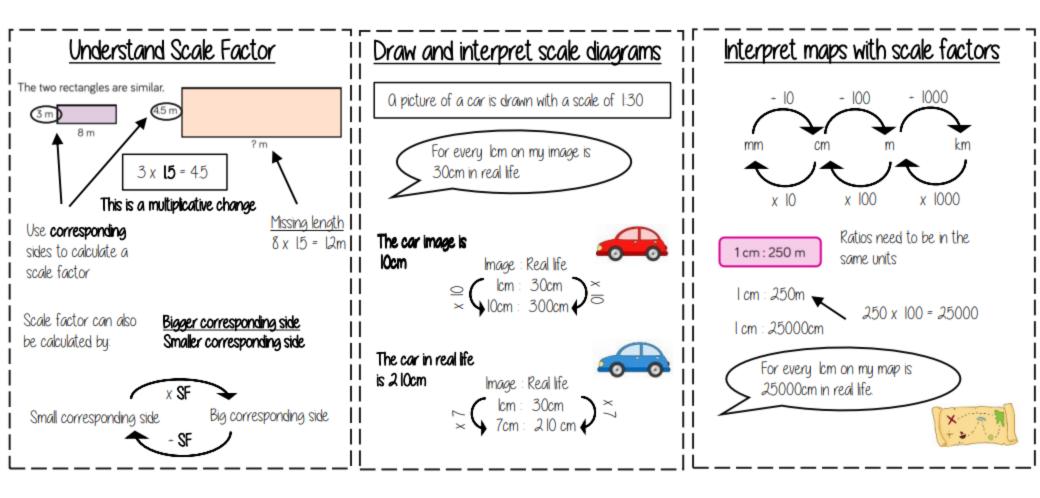
Maths Knowledge Organiser – Ratio & scale 2



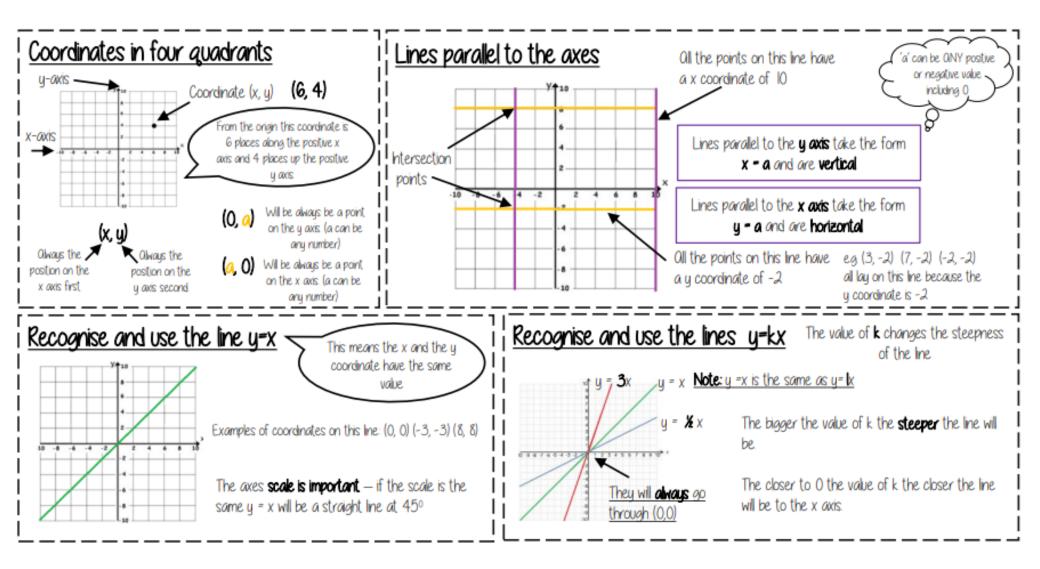
Maths Knowledge Organiser – Multiplicative Change 1



Maths Knowledge Organiser – Multiplicative Change 2



Maths Knowledge Organiser – Working in the Cartesian Plane 1



Maths Knowledge Organiser – Working in the Cartesian Plane 2

Recognise and use the line y=x -

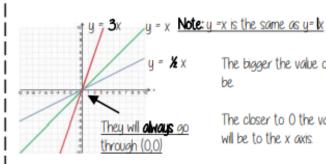
This means the x and the u coordinate have the same value

Examples of coordinates on this line: (0, 0) (-3, -3) (8, 8)

The axes scale is important — if the scale is the same y = x will be a straight line at 45°

Recognise and use the lines y=kx The value of k changes the steepness

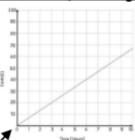
of the line.



The bigger the value of k the steeper the line will

The closer to 0 the value of k the closer the line will be to the x axis.

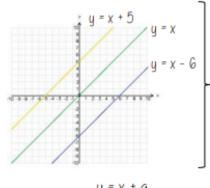
Direct Proportion using y=kx



The line must be straight to be directly proportional — variables increase at the same rate k

Direct proportion graphs always start at (0,0) as they are describing relationships between two variables

Lines in the form y = x + a



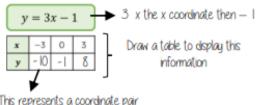
This is the line y=x when the u and x coordinate are the same

This shows the translation 1 of that line. egy = x + 5 11

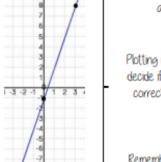
is the line y=x moved 5 | places up the graph |

5 has been added to each of the x coordinates

Plotting y = mx + c graphs



This represents a coordinate pair

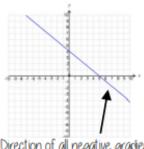


You only need two points to form a straight line

Plotting more points helps you decide if your calculations are correct (if they do make a straight line)

Remember to join the points to make a line

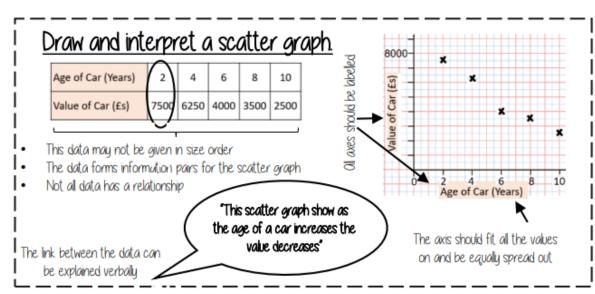
Lines with negative gradients

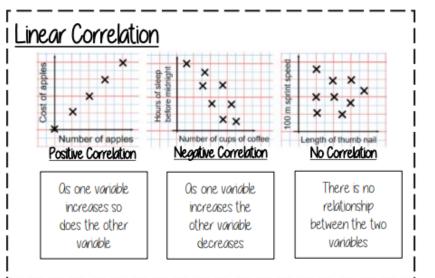


Ony straight-line graph with a negative x value has a negative gradient

Direction of all negative gradients

Maths Knowledge Organiser – Representing Data 1

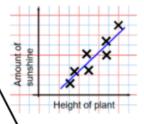






Things to know:

- The line of best fit <u>DOES NOT</u> need to go through the origin (The point the axes cross)
- There should be approximately the same number of points above and below the line (It may not go through any points)
- The line extends across the whole graph



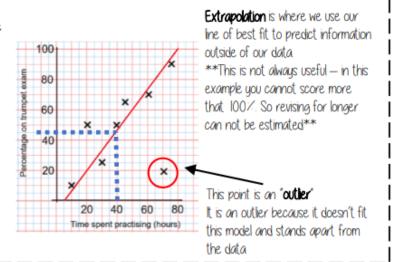
It is only an estimate because the line is designed to be an average representation of the data

It is always a **straight line**.

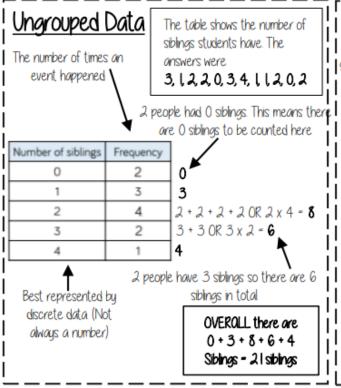
<u>Using a line of best fit</u>

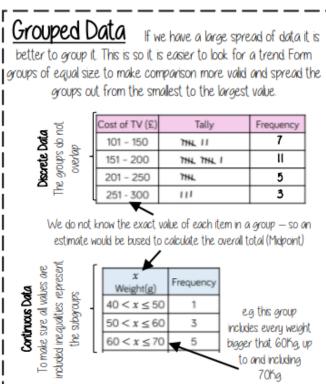
Interpolation is using the line of best fit to estimate values inside our data point.

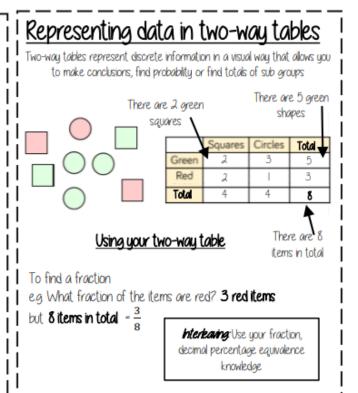
eg. 40 hours revising predicts a percentage of 45.



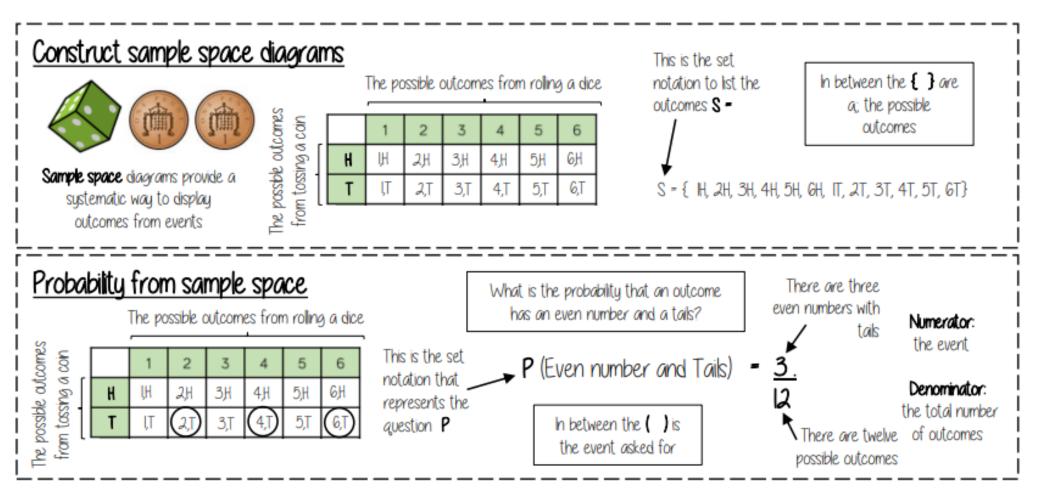
Maths Knowledge Organiser – Representing Data 2



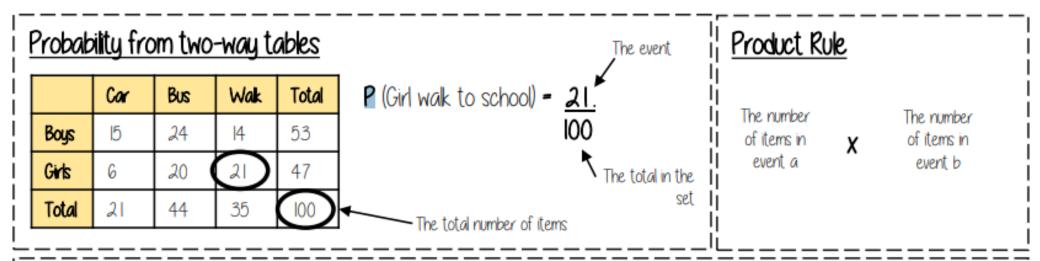


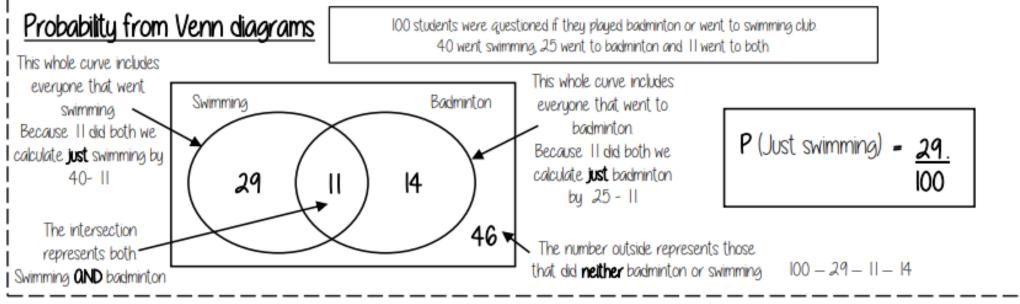


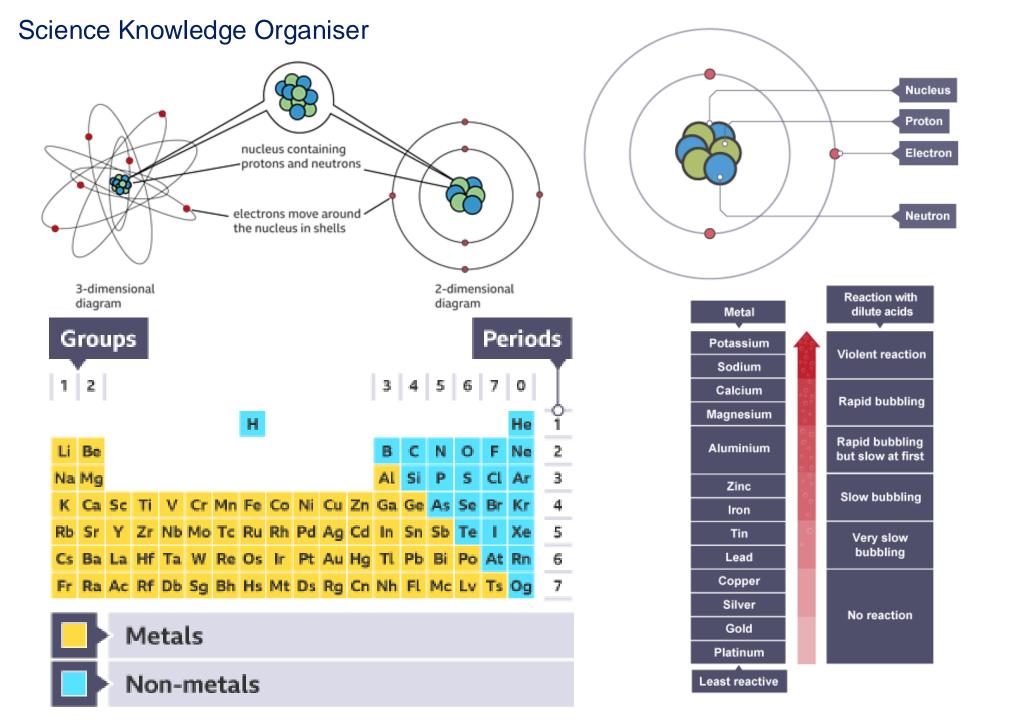
Maths Knowledge Organiser – Tables and probability 1



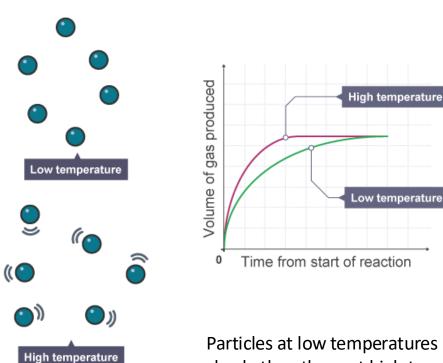
Maths Knowledge Organiser – Tables and probability 2

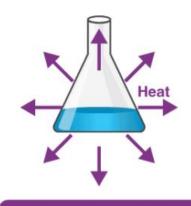






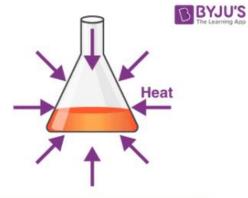
Science Knowledge Organiser





Exothermic Reactions

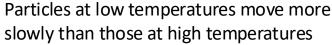
A reaction that releases energy from the system in the form of heat.

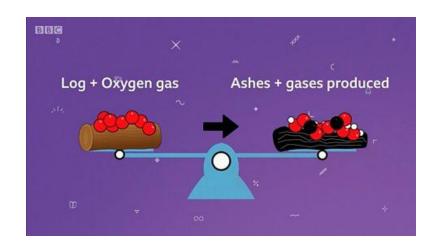


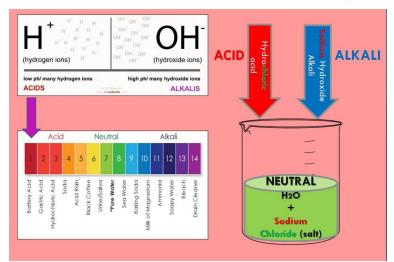
Endothermic Reaction

A reaction that the system absorbs energy from its surrounding in the form of heat.

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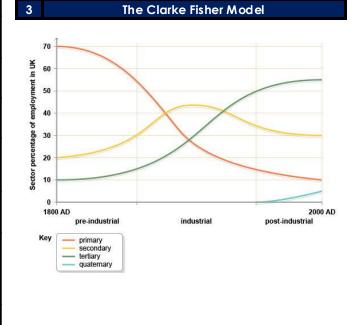
Geography Knowledge Organiser — Can the Horn of Africa close the development gap?

1 TIER THREE VOCABULARY			
Development	The study of how wealthy the economy of a country is and how high the quality of life and services are.		
Development Indicators	Data which shows us whether a country is MORE or LESS Developed		
Human Development Index (HDI)	A measure used globally to rank countries in order of development. The 3 indicators to measure a countries HDI are: Adult literacy, life expectancy and GNI per capita.		
Life Expectancy	The average age a person lives to within a country.		
Adult Literacy	The percentage of the population, above the age of 15, that can read and write.		
Gross National Income (GNI)	The average money a person earns per year in a country.		
Development Gap	The difference in development between HICs and LICs		
Child Mortality	The number of babies dying before they reach the age of 5 within a country.		
Infant mortality	The number of babies dying before they reach the age of 1 within a country.		
Poverty	The amount of people living on less than US\$1.90 and not having the basic needs to live.		
Maternal Health	The health of a women and baby before, during and after a pregnancy.		
Upper Middle income Country	UMIC – The average earnings per person range from \$4 000 to \$12 000 Examples are China Brazil and Mexico		
Lower Middle Income Country	LMIC - The average earnings per person range from \$1 250 to \$4 000 Examples are India Kenya Indonesia		

2 Develo	Development indicators and wealth		
Indicator of Development	ніс	LIC	
Death rate	LOW	HIGH	
Birth rate	LOW	HIGH	
GNI per capita	>\$12 696	<\$1045	
Adult Literacy Rate	HIGH	LOW	
Examples	UK / Japan / USA / South Korea	Ethiopia Bangladesh DRC / Nepal	

Human	Physical
Low adult literacy rates	Extreme climate
Low prices for cash crops	Natural disasters e.g., earthquakes, tropical storms.
Civil war	Mountainous
Industry owned by HICs	Landlocked
Debt	Unreliable rainfall
Historically ruled by another country	
Lack of infrastructure	

Reasons for a widening development gap



4 Types of Industry and jobs		
Industry sectors	Definition & Examples	
Primary	TAKE IT - Using Earths natural resources Farming, fishing, forestry, mining.	
Secondary	MAKE IT - Manufacturing (making products) Construction, factory work, utilities (gas)	
Tertiary	SELL/SERVICE IT - Providing a service Retail, health care, hospitality, leisure, emergency services, education services.	
Quaternary	<u>DESIGN/DEVELOP IT</u> — Researching in technology, designing buildings (architect), developing medicine.	

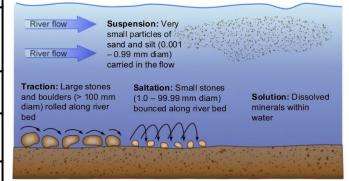
Geography Knowledge Organiser – How do rivers shape the land?

1	TIER THREE VOCABULARY	
Drainage Basin	tributaries (smaller channels which feed into a	
Abrasion Erosion caused by friction which occurs who river carries sand, gravel or pebbles and use them to wear away the landscape.		
Traction	(Bed Load)	
Deposition	The laying down of material in the landscape. Deposition occurs when the force that was carrying the sediment is reduced.	
Upper Course The upland stage of a river with a steep gradient and erosion is the most important process.		
Gorge	A steep sided, narrow valley often found below a waterfall, where the waterfall has retreated.	
Hydraulic action	Erosion caused when water and air are forced into gaps in rock or soil.	
Lower Course The lowland section of the river, near the swhere deposition is the most important process and the valley becomes wider and flatter.		
Meander A sweeping curve or bend in the river's co		
Middle Course	The section of the river between the uplands and the lowland, where transport of eroded material is the most important process and the river begins to cut sideways.	
Mouth The end point of a river (usually where it me the sea).		
Oxbow lake The loop of an old meander that is no longe connected to the river channel by flowing water.		
Plunge pool	Plunge pool The pool of water found at the base of a waterfall. Plunge pools are erosional features created by abrasion and hydraulic action of the plunging water.	

The drainage basin and river valley cross sections Cross Section of a River valley Upper Valley: Steep, V shaped, igneous rock, pastoral farming. Middle Valley: Wider valley floor, lateral erosion, flatter land, urbanisation, transport links. Calculating river cross section (m²) Width (m) x Half Depth (m) Lower Valley: Flat, flood plains, deposition, industry, trade.

3 Four types of transportation in a river

The movement of material as it is carried by a river through the landscape.



Four types of erosion in a river **Hydraulic action:** Abrasion: The power of the Rocks are dragged water forces air along the riverbed, into cracks on the cutting into the riverbed, making ground below and the cracks bigger making the channel and loosening bits deeper of soil and rock. Solution: Attrition: In the river, rocks Tiny particles in are thrown the river are together. This dissolved in the makes them water. Minerals become smaller and salt are an

example of this.

and smoother.

Three types of weathering Freeze-When it rains, water enters the cracks thaw in rocks. On cold nights, the water freezes. This makes it expand by 9% and wedge the rock apart, breaking it. Biological Tree roots can get very thick and strong underground. They make their way into the cracks in a rock and can force it to break. Animals burrow and scratch and burrow into the rock. Chemical Chemical reactions can break down the bonds that hold rocks together. This can take place in all kinds of rocks and eventually causes them to fall apart. ш

History Knowledge Organiser

1	TIER THREE VOCABULARY	
Agrarian Revolution	I Development in farming techniques for	
Industrial Mechanisation of process to make good mass		
Mass production	Large scale production of products – made by machines	
Mechanisation	The introduction of machines to mass produce products	
Alliance systems	A network of treaties and agreements between countries	
Expansion	The political strategy of extending a state's territory by encroaching on that of other nations.	
Middle passage	The second stage of the triangular slave trade	
Plantation	A large farm that produces cotton and sugar and worked by slaves in the Americas	
Trevithick	Cornish inventor of the steam engine	
Arms race	A race between two or more countries to build weapons	
Trade	The buying and selling of goods for profit	
Empire	An empire is a political unit made up of several territories, military outposts, and peoples,	
Immigration	Immigration The arrival of people into a country	

The triangular slave trade



are traded between Europe, Africa, and the Americas. This network is often called the triangular trade because it had three basic stages thatroughly form the shape of a triangle when viewed on a map.

Agrarian revolution

3



Farmers were able to use mechanical tools to speed up farming jobs and grow more food.

Cromford and the first factories

The formation of Arkwright's spinning frame and the growth of factories from Cromford to the world. Machines made products cheaply but changed how we lived. From the country to the town, all lives changed.

LINKS & FURTHER READING

https://www.bbc.co.uk/bitesize/ topics/z2qj6sg BBC bitesize: Transatlantic slave trade

https://www.bbc.co.uk/bitesi <u>ze/topics/z7kvf82</u> **BBC Bitesize**: the British Empire

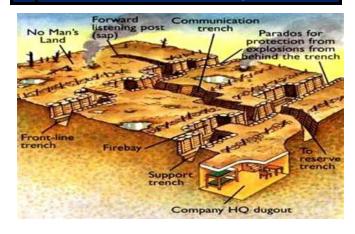
History Knowledge Organiser

	the Meage Organieer			
1	TIER THREE VOCABULARY			
Gavrilo Princip	Assassin of Archduke Franz Ferdinand and Sophie			
Propaganda	Information, especially of a biased or misleading nature, used to promote a political cause or point of view.			
Recruitment	Getting people to join the armed forces			
Conscription	Compulsory joining of the armed forces			
Enlisting	The action of joining the armed forces			
Battle of the Somme	Biggest first day allied defeat: 1st July 1916			
Triple Entente	Britain, France and Russian alliance at the start of World War One			
Triple Alliance	Germany, Austria-Hungary and Italy – alliance at the start of World War One			
Sarajevo	Bosnian capital: Archduke Franz Ferdinand assassinated there			
Trench system	World War One system of trenches in the French landscape			
White feathers	Given to men who refused to fight in World War One			
HMS Dreadnought	Britain's battleship (emulated by Germany)			
Kaiser Wilhelm	The German leader at the start of World War One			

2 The Alliance System: World War One

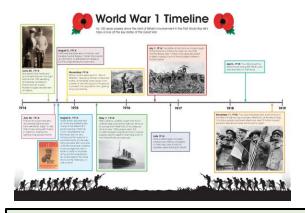


3 World War One trench system



4 LINKS & FURTHER READING

https://www.bbc.co.uk/bitesize/ topics/z4crd2p/articles/z9cvf82# zw8rbqt Causes of World War One Timeline



The Road to World War I:

- •Naval Arms Race: Fuelled by imperial ambitions and fears of encirclement, Britain and Germany engaged in a competition to build larger and more advanced fleets. This race contributed to tensions between the two powers and heightened the overall atmosphere of militarism in Europe.
- •Kaiser Wilhelm II: As the ruler of Germany from 1888 to 1918, Wilhelm II pursued an aggressive foreign policy aimed at asserting Germany's status as a global power. His bellicose rhetoric and expansionist ambitions antagonized other European nations, exacerbating existing rivalries.
- •Alsace-Lorraine: Following the Franco-Prussian War of 1870-1871, Alsace-Lorraine was annexed by the newly unified German Empire. This annexation fuelled French resentment and desire for revenge, creating a longstanding source of tension between France and Germany.
- •Alliance System: European powers formed intricate networks of alliances to safeguard their interests and maintain a balance of power. The Triple Entente (Britain, France, Russia) and the Triple Alliance (Germany, Austria-Hungary, Italy) were the principal alliances, but shifting alliances and secret agreements added complexity to the diplomatic landscape.

Computing Knowledge Organiser

1	TIER THREE VOCABULARY				
Casting	Converting a variable from one data type to				
Casting	another.				
Concatenating	To put things together as a connected series				
	Each variable in a program must have a data				
Data type	type. The data type determines what type of				
	value the variable will hold.				
For Loop	to iterate steps a specific number of times				
IDE (Integrated	A piece of software that are designed to				
Development	make coding easier for developers				
Environment)					
Innut	Taking data from the user to use in				
Input	computer programs				
Intogor	A data type used to store positive and				
Integer	negative whole numbers.				
Iteration	where a set of instructions is executed				
iteration	repeatedly.				
Libraries	A collection of prewritten code that				
Libraries	programmers can use				
Logic Error	Where a result is not logically correct,				
LOGIC EITOI	but is not reported as an error.				
Output	Data that is displayed to the user				
_	the process or activity of writing computer				
Programming	programs.				
	Instructions which can branch the code to				
Selection	one or more alternatives paths				
	Instructions happening one after the other				
Sequence	in order is sequence				
Chair .	A sequence of alphanumeric characters and				
String	or symbols. e.g. a word or sentence.				
	A block of code given a unique identifiable				
Sub programs	name within a program. Supports code				
our programs	reuse and good programming technique.				
	The set of rules that determine the structure				
Syntax	and format of a programming language				
Syntax error	An error that goes against the syntax of a				
	programming language.				
	A named location where the computer				
Variables	stores the data				

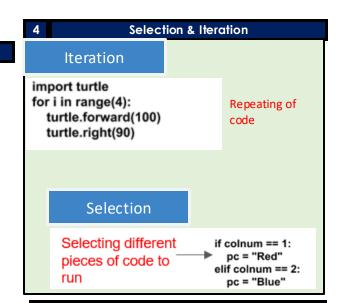
2 Comparisons

Python Comparisons		
==	equal to	
!=	Not equal to	
<	Less than	
<=	less than or equal to	
>	greater than	
>=	greater than or equal to	

S	Small Basic Comparisons		
=	equal to		
<>	Not equal to		
<	Less than		
<=	less than or equal to		
>	greater than		
>=	greater than or equal to		

3 Basic Turtle instructions

turtle.forward	Go forward
turtle.backward	Go backward
turtle.right	Turn right
turtle.left	Turn left
turtle.penup()	Lifts the pen up so you can move the turtle without drawing
turtle.pendown()	Drops the pen back onto the screen so you can draw
turtle.fillcolor("Brown")	Changes the fill colour to brown(or other colour)
turtle.pencolor("Red")	Changes the pen colour to red (or other colour)
turtle.begin_fill()	Begins to fill the shape
turtle.end_fill()	End the filling sequence



5 Small b	Small basic instructions		
Syntax/Keyword	Definition		
TextWindow.WriteLine ()	Displays text on the screen and moves to the next line.		
TextWindow.Write()	Displays text on the screen without moving to the next line.		
TextWindow.Read()	Reads a single character from the user input.		
TextWindow.ReadLine)	(Reads a line of text from the user input.		
IfThenElse	Conditional statement that executes code based on whether a condition is true or false.		
Turtle.Move()	Moves the turtle forward by a specified distance.		
Turtle.Turn()	Turns the turtle by a specified angle.		
GraphicsWindow.Drav Rectangle()	Draws a rectangle in the graphics window.		

REP Knowledge Organiser – Hinduism

Lesson 1 - Brahman and the Trimurti

How Hindus Understand Brahman:

The supreme God and ultimate reality, responsible for the creation of the universe. Brahman is present in all things at all times and is represented in different ways.

Trimurti:

The three divine manifestations of Brahman and the principle gods of Hinduism.

Brahma

The Creator, responsible for the creation of life Vishnu

The Preserver, responsible for maintaining existing life and helping it flourish

Shiva

The Destroyer, responsible for the death and destruction necessary for new life

Lesson 4 - Ashramas

The four stages of life as understood by Hindus, each contains certain roles and responsibilities.

Brahmacharya: The Student

Young Hindus must learn skills and develop into good people.

Grhastha: The Householder

Hindus work and start their own families.

Vanaprastha: The Elder

Stepping back from running the household, offering support to their children.

Sannyasa: Renunciation

Hindus leave their families for the remainder of their lives to focus on God.

Lesson 2 - Avatars, Murti and Puja

Avatars:

Manifestations of the Trimurti into different aspects. Each of the Trimurti has thousands of Avatars that exemplify particular aspects of that god.

E.g. Ganesh, the Elephant headed god of prosperity and wisdom is an Avatar of Shiva.

Murti:

Statues used to house the Avatars. Used in temples and at home as a focal point of Hindu Worship. Murti are treated with great reverence and respect.

Puja:

Ritual offerings made to Murti statues where each offered item carries particular meaning and significance.

E.g. Flowers represent life and beauty.

Lesson 3 - Karma, Caste and Moksha

Karma:

The Hindu belief in the cosmic recording of our good and bad actions in life.

Karma affects the state of your soul's rebirth.

Caste:

The Hindu cultural class system which is divided into multiple levels. Your caste is determined by your karma and so there are very strict rules around marriage and employment.

Moksha:

The end to the cycle of rebirth where a Hindu's soul becomes one with Brahman. This is the goal of all Hindus.

Lesson 5 - Mandir

Key features of the Hindu temple:

Murti - statues of deities used in devotional worship.

Shrines - alcoves and altars where the Murtis are placed.

Arti Lamps - lit butter lamps used as part of ritual practices.

Bells - used to awaken the deities.

Prayer Hall - gathering space for Hindu worship.

Vedas - Sacred texts of Hinduism.

Lesson 6 - Diwali

The Hindu festival of Light

One of the principle religious festival in Hinduism that is also observed by other Eastern religions too.

Purpose:

Diwali retells the mythical story of the hero Rama rescuing the princess Sita from the demon king Ravana.

Practices:

Hindus decorate their homes with lights and colours, exchange new clothes, give sweet treats to neighbours and gather as families to pray at the temple. Firework displays are often used to celebrate Diwali.

Lesson 7 - Yoga and Meditation

Meditation:

The practice of mindfulness aimed at helping a Hindu gain a better understanding of God and creating a deeper connection with the universe.

Yoga:

More than just stretching! Yoga practices use posture and endurance to encourage meditative states of mind.

Westernisation:

The act of making things acceptable for Western audiences.

Art Knowledge Organiser

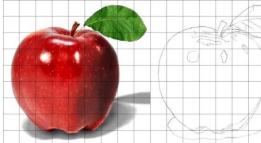
1	TIER THREE VOCABULARY		
Analyse	Analyse is to examine (something) methodically and in detail, typically in order to explain and interpret it.		
Composition	Composition is the arrangement of elements within a work of art		
Contemporary Art	The term contemporary art is loosely used to refer to art of the present day and of the relatively recent past, of an innovatory or avant-garde nature		
Designs	Designs are plans to explain your ideas in a visual way.		
Expression	Expression is something that expresses or communicates ideas or feelings.		
Form	In relation to art the term form has two meanings: it can refer to the overall form taken by the work – its physical nature; or within a work of art it can refer to the element of shape among the various elements that make up a work.		
Influence	To be inspired by the style of art styles and movements.		
Low Relief	A low relief is a projecting image with a shallow overall depth		
Mark making	Mark making describes the different lines, dots, marks, patterns and textures created in a drawing. It can apply to any drawing materials.		

Skills and Techniques: Drawing and Monoprinting

TONAL SCALES

H F HB B 2B 3B 4B 5B 6B 7B 8B 9B SOFTER **UERY SOFT** REGULAR







The use of a grid to help accuracy when observing.

Observation and development of patterns.



Development of tonal skills and observation of light direction

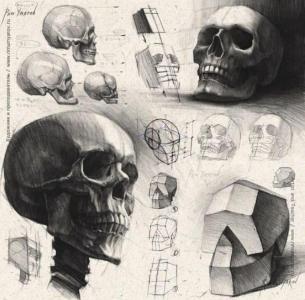


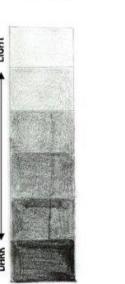
The process of using oil pastel to create a mono print – exploring colour and pattern.











STEPPED GRADIENT

SMOOTH GRADIENT

Art Knowledge Organiser

1 Continued	TIER THREE VOCABULARY			
Tone	The lightness or darkness of something – this could be a shade, or how dark or light a colour appears.			
Printmaking	A print is an impression made by any method involving transfer from one surface to another.			
Papel Picado	Papel picado ("perforated paper," "pecked paper") is a decorative craft made by cutting elaborate designs into sheets of tissue paper.			
Pattern	A pattern is a design in which lines, shapes, forms or colours are repeated. The part that is repeated is called a motif. Patterns can be regular or irregular.			
Proportion	Proportion is the relationship of one part of a whole to other parts.			
Record	If you record something, you keep an account of it through drawing or photography so that it can be referred to later.			
Medium	Medium can refer to both to the type of art (e.g. painting, sculpture, printmaking), as well as the materials an artwork is made from.			
Pen	Pen is used for creating fine linear drawings and expressive textural drawings.			
Texture -	Texture means how something feels. There are two types of texture: actual texture and visual texture.			
Refine	Refine is to improve your artwork.			

Artists and Artwork-



Papel Picado- paper cutting

Parades and costume







Decoration and rituals

2 Extension tasks to develop skills & ideas



Draw using a grid but distort the gride to challenge yourself further. Watch one of the animations- Book of life or Coco looking specifically at the use of pattern and design.









National Geographic Kids-Mexican Day of the Dead



What are patterns? Info and video BBC Bitesize

Computer and Video Game Music



Early Computer and Video Game Music



Early video game music consisted primarily of SOUND EFFECTS (an artificially created or enhanced sound used to emphasize certain actions within computer and video games), CHIPTUNES or 8-BIT MUSIC (a style of electronic music which used simple melodies made for programmable sound generator (PSG) sound chips in

vintage computers, consoles and arcade machines) and early sound SYNTHESISER technology (an electronic musical instrument that generates audio signals that may be converted to sound). SAMPLING (the technique of digitally encoding music or sound and reusing it as part of a composition or recording) began in the 1980's allowing sound to be played during the game, making it more realistic and less "synthetic-sounding".

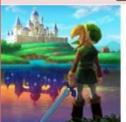
How Computer and Video Game Music is Produced



Fully-orchestrated SOUNDTRACKS (video game music scores) are now popular - technology is used in their creation but less in their performance. The composer uses MUSIC TECHNOLOGY to create the score, it is then played by an ORCHESTRA and then digitally converted and integrated into the game. Video game SOUNDTRACKS have become popular and are now commercially sold and performed in concert with

some radio stations featuring entire shows dedicated to video game music.

How Computer and Video Game Music is used within a Game



Music within a computer or video game is often used for CUES (knowing when a significant event was about to occur).

Video game music is often heard over a game's title screen (called the GROUND THEME), options menu and bonus content as well as during the entire gameplay. Music can be used to INCREASE TENSION AND SUSPENSE e.g. during battles and chases, when the player must make a decision within the game (a DECISION MOTIF) and can change, depending on a player's actions or situation

e.g. indicating missing actions or "pick-ups".

Musical Features of Computer and Video Game Music

JUMPING BASS LINE

Where the bass line often moves by LEAP (DISJUNCT MOVEMENT) leaving 'gaps' between notes

9. 1 2 2 2 1 1 2 2 2 1

ARTICULATION Performing each note sharply and detached from the others. Shown by a dot.

STACCATO

CHROMATIC MOVEMENT Melodies and bass lines that ascend or descend by semitones.

Chromatic Scale nto oto oto o

SYNCOPATION Accenting the weaker beats of the bar to give "offbeat " jumpy feel to the music.

Character Themes in Computer and Video Game Music



Characters within a video game can also have their own CHARACTER THEMES or CHARACTER MOTIFS – like LEITMOTIFS within Film Music. These can be manipulated, altered and changed - adapting the elements of music - ORCHESTRATION (the act of arranging a piece of music for an orchestra and assigning parts to the different musical instruments), TIMBRE, SONORITY, TEXTURE, PITCH, TEMPO, DYNAMICS – depending on the character's situation or different places they travel to within the game.

Famous Computer and Video Game Music Composers and their Soundtracks



Koji Kondo Super Mario Bros. (1985) The Legend of Zelda (1986)



Michael Giacchino The Lost World: Jurassic Park (1997) Medal of Honour (1999) Call of Duty (2003)



Mieko Ishikawa Dragon Slayer (1993)



Martin O'Donnell and Michael Salvatori Halo (2002)



Daniel Rosenfield Minecraft (2011)



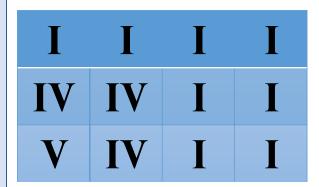
Rom Di Prisco Fortnite (2017)

Music Knowledge Organiser – Heart of The Blues

1	TIER THREE VOCABULARY			
Slave Triangle	The three-legged route that made up the Atlantic slave trade			
Slave Trade	The capturing, selling, and buying of enslaved persons			
12 Bar Blues	A chord progression that lasts for 12 bars			
Structure	The order the different sections of a song or piece of music are played in			
Chord	Two or more single pitches heard simultaneously to create the harmony			
Roman Numerals	Musicians use Roman numerals to identify chords within the context of key signatures			
Improvisation	To create/make up music on the spot			
Fill	A short musical passage to play during a break between the phrases of a melody.			
Blues Scale	A musical scale having intervals between major and minor and used especially in jazz			
Sharp #	The sharp symbol, ♯, indicates that the <u>note</u> is played a <u>semitone</u> higher			
Flat b	The flat symbol is b indicates that the <u>note</u> is played a <u>semitone</u> lower			
Walking Bass Line	A bassline that drives the rhythmic motion forward, stepwise and one note per beat			

2

- Many blues musicians <u>improvise</u> their parts. <u>Improvisation</u> means to make something up as you go along.
- Originally, slaves made music with whatever instruments they could find or make.
- Instruments associated with The Blues are; guitar, double bass, piano, trumpet, harmonica, drum kit.



4



- Blues is folk music of the African-Americans.
- It originated from slaves who worked on the plantations of southern USA and who sang about their feelings and problems.
- <u>Rhythms</u> and <u>melodies</u> were brought by slaves from Africa on slave ships.
- Many blues songs are about the struggle of slavery.

Watch this clip of where a range of children sleep around the world...

Click here to watch the video



Where would you most like to sleep? Where would you least like to sleep?

Drama Knowledge Organiser

An example of the research you might do

Malala Yousafzai

- As a young girl, Malala Yousafzai lived in Pakistan. Welcoming a baby girl is not always cause for celebration in Pakistan but her father, Ziauddin Yousafzai, was determined to give Malala every opportunity a boy would have. Her father was a teacher and ran a girls' school in the village.
- Malala loved school. But everything changed when the Taliban took control of her town in Swat Valley. The extremists banned
 many things like owning a television and playing music and enforced harsh punishments for those who defied their
 orders; they said girls could no longer go to school.
- In January 2008 when Malala was just 11 years old, she said goodbye to her classmates, not knowing when if ever she would see them again. Because of this, she spoke out publicly on behalf of girls and their right to learn. This made Malala a target.
- In October 2012, on her way home from school, a masked gunman boarded her school bus and asked, "Who is Malala?" He shot her on the left side of her head. Malala woke up 10 days later in a hospital in Birmingham, England.
- After months of surgeries and rehabilitation, she joined her family in their new home in the U.K. It was then she knew she had a choice: live a quiet life or make the most of this new life she had been given. She was determined to continue her fight until every girl could go to school.
- With her father, who has always been her inspiration, she established the Malala Fund, a charity dedicated to giving every girl an opportunity to achieve a future she chooses. In recognition of their work, Malala received the Nobel Peace Prize in December 2014 and became the youngest-ever Nobel laureate.

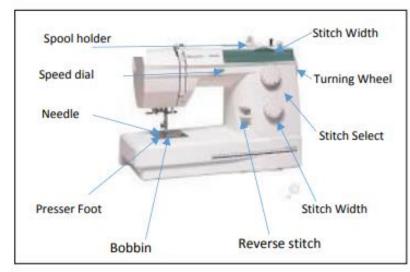
Quotes:

- "The extremists were, and they are, afraid of books and pens. The power of education frightens them. They are afraid of women... Let us pick up our books and pens. They are our most powerful weapons."
- "My goal is to get peace and my goal is to see the education of every child."

Drama Knowledge Organiser

DRAMA KEY WORDS		ADJECTIVES			
VOCAL SKILLS		abruptangry	enthusiasticfirm	sarcasticsly	
Tone Pitch Pace Intonation Silence	Pause Projection Inflection Accent Emphasis	anxiousassuredcoldcontrolleddeep	forcefulgentleharshhesitantloud	softstuttertimidtrusting	
PHYSICAL SKILLS		aggressivedefignt	 eye contact: direct, focused, avoiding, 	relaxedslow	
Body Language Facial Expressions Gestures Stillness Eye-Contact	Posture Movement Gait Stage Presence Interaction	dismissivedistraughtdistressedeager	accusing fearful gentle rapid	 sluggish smooth smug strong thoughtful 	
SPACE PERFORM	ANCE CONVENTIONS	 anger anti-climax appreciation believable delight development disappointment 	 emotional response empathy emphasis engagement feeling focal point horror 	 interest intrigue irritation light-relief realistic sympathy understanding 	
Levels Proxemics Stage Left/Right Centre Stage Transition Blocking Cannon Duologue Soundscape	Freeze- Frame Narration Split Scene Thought-Track Mime Improvisation Physical Theatre Unison Monologue	Other Useful Vocabulary: Hot-seating Character Motivation Warm-Up Role-on-the-Wall Genre	Other Useful Vocabulary: Rehearsal Sound Effects Naturalistic Abstract Minimalistic		

DT Knowledge Organiser – Textiles Dumpy Doorsteps











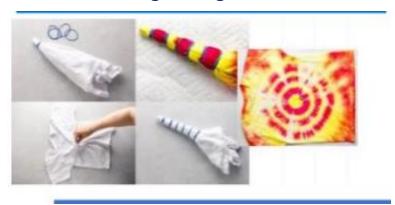




Key Words and Definitions:

Pins	a piece of metal with a point at one end for holding fabric together	Stitch	A thread that passes through fabric	Tie dye	Resist method of dying- created by tying string/ elastic bands around areas of the fabric.
Scissors/shears	Used for cutting fabric	Sew/Sewing	Done by machine of hand to join fabric or add decoration	Applique	Applying 1 fabric to another to create a design
Sewing Machine	A machine used to produce stitches in fabric	Tacking	Temporary stitching to hold fabric in place	Reverse Applique	cutting away a layer of fabric to reveal a shape appliquéd underneath
Needle	a piece of metal with a point at one end and a hole or eye for thread at the other, used in sewing	Hem	The finishing off at the edge of fabric	Embroidery	Decorative stitching by hand or machine
Thread	a strand of cotton, used in sewing or weaving	Seam	Joining two fabrics together	Design	A drawing to show the look of your idea
Tailors chalk	Chalk used to mark fabric	Seam Allowance	Distance between the edge of fabric and the stitching line (1.5 cm)	Annotation	Labelling to explain your design
Fabric	Cloth produced by weaving or knitting textile fibres.	Pattern	A template used to cut out the fabric	Evaluation	Making a judgement about your product
Unpicker	A small piece of equipment with a sharp pointy end used to unpick stitches	Components	Buttons, zips, sequins	Specification	A list of requirements that a product must meet

DT Knowledge Organiser – Textiles



Colouring fabrics

















Key vocabulary

Tie dye	Tie-dye is a colorful pattern used on clothing. It is made by tying a piece of clothing into a tight bundle and then dyeing it with various colours made from liquids.
Spiral technique	Swirling mixture of colours on a material.
Bullseye technique	Each banded section can be a different colour.
Horizontal stripes technique	The material is folded vertically and then tied off into sections. Each banded section is like a stripe.
Needle	A piece of metal with a point at one end and a hole on the other to put through the thread.
Thread	A fine piece of material used to put through a needle, to use when sewing and holding fabric parts together.

Construction of a fabric container

Gadget case



DT Knowledge Organiser – Pewter Casting

The work of others

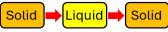
Researching designers and products provides a greater understanding of the materials and processes they used. It can also help inspire new ideas, which is what we are going to do in this project.

Designer	Facts about them	Examples of their work
Kusheda Mensah	A designer of furniture and lifestyle pieces, Mensah's work explores how to put fun into a functional environment, creating curvy and tactile pieces.	
William Morris	Significant contributor to the British Arts and Crafts Movement, Morris is renowned for his block printed fabrics and wallpapers. His designs were influenced by nature with patterns of intertwined flowers, leaves and birds.	
Zaha Hadid	Once described as the 'Queen of the curve' Hadid was inspired by undulating and sinuous shapes found in nature to create stunning architecture.	
Louis Comfort Tiffany	American decorative arts designer, renowned for his highly decorated, stained-glass lamp designs which became an icon of the Art Nouveau movement.	
Charles Rennie Mackintosh	Architect and designer who played an important role in the Art Nouveau movement. He was commissioned to design a new building for the Glasgow School of Art which became his masterpiece.	

What is casting?









Casting involves heating a metal (in this case pewter) to a temperature of Between 170 and 230°C, until it becomes a liquid. It is then poured using a ladle into an MDF mould which has been laser cut. The molten pewter fills the negative shape within the mould.





On the left is an image of the pewter being poured, on the right an image of the casting once it has cooled. Once cooled, the casting is removed from the mould. Often the mould can be re-used, meaning that identical products can be made.

Tier 3 vocabulary

Key Words	Definition
Tactile	Our sense of touch
Arts & Crafts Movement	A trend in the decorative and fine arts between about 1880 and 1920.
Art Nouveau	An international style of art, architecture and the decorative arts popular between 1890 and 1910.
lcon	A person or thing widely admired especially for having great influence or significance.
Undulating	To move in a wave-like pattern.
Pewter	A silver-colored metal that's been used for decorative objects and plates, cups, and bowls since ancient times.

DT Knowledge Organiser – Food and nutrition

1 TIER THREE VOCABULARY		
Seasonality	When foods grow naturally.	
Food Provenance	Where our food comes from	
Food miles	How far the food has travelled to get to us	
Food waste	To use food to prevent waste.	
Cornish foods	Traditional foods and the Cornish culture	
Annotation	To label and explain an idea or drawing	
Nutrients	Basic nutrients and their function in the body.	







2	2 Skjills		
	Skills		
	Reduction	Thickening a sauce by allowing it to simmer. (Bolognese)	
	Rubbing in	Mixing fat into flour to form 'crumbs'	
	Stewing	To cook fruit in a small amount of liquid	
	Scones	Mixing, shaping and baking	
	Bread making	Use of yeast, kneading, shaping, proving and baking	

