

Knowledge Organisers Summer Term – Year 7

Name: _____

Please remember:

- It is to be kept inside your knowledge organiser book
 - It is to be brought into school every day

Regular retrieval throughout a scheme of learning (daily, weekly and monthly) has been proven to **reduce the rate of forgetting**, supporting you to **retain more** in long term memory- making assessments/ exams way easier! The challenge for you as a student is to make sure you use your knowledge organiser for each subject properly to help you to know more and remember more over time. We've created this walk through to support you in using your knowledge organiser- for more support speak to your subject teachers.

Using your Knowledge Organiser



1	2	3	4	5
Look	Cover	Write	Check	Repeat
Start with a small section of knowledge	Now cover up this section of your	Self quiz- what can you remember and	Remove the post it and check for	After a short break away from your
that you want to remember e.g Henry	knowledge organiser with a post it note	rewrite? Make sure you do this without	accuracy- did you get the key	knowledge organiser repeat the look,
VIII's wives in History. Read through this	or scrap paper.	looking back at your knowledge	terminology? Was it spelt correctly?	cover, write, check until you can recall
section of the knowledge organiser (a		organiser.	Was the order correct? If you drew a	all of the facts correctly without
couple of times if it helps)			diagram, how much of this did you get	prompts.
			correct?	
				This process can be used for any new
			Most importantly- what did you miss	knowledge that you want to acquire. It
			out?	is good idea to do this on a regular
				basis, once a week.

Strategy 1- Look, cover, write, check – A really simple but effective way to use your knowledge organiser. Focus on a specific area of your knowledge organiser.

1	2	3	4	5
Focus	Big ideas	Explain it	Link it	Record it
Make it manageable by selecting an	Pick out the main points or the big	Explain what you know about the main	Now, see how it links to other areas	Write down as many 'think it, link it'
area of your KO where your learning is	ideas in this section.	points (this could be written or shared	within the subject. E.g Eating meat –	ideas as you can in your book. See if
not secure. Don't waste time going off		verbally – a friend, a family member.	causes global warming. Cows produce	you can beat others in you class!
something you can already do!			methane which is a greenhouse gas.	

Strategy 2- Think it, link it – Great for connecting the big ideas in your subject. How does 'x' relate to 'y'. What are the key factors which make an equation/ experiment/ process work? Challenge yourself to see how many links you can make!

1	2	3	4	5
Select topic	Prepare quiz	Answer it	Self check	Repeat
Decide which area you want to be	Get someone else to prepare 10	Set a time limit (depending on the	Now look at your KO to self check-	Return to this section in 2/3 weeks- see
quizzed on (this might build up over	random questions on that topic to	number of questions) and answer the	make a note of your score. Celebrate	if you can improve your score! Re-do
time)	challenge you.	questions without looking at your KO.	your successes and make a note of	those questions that you missed or got
			anything you missed or got incorrect.	incorrect.

Strategy 3- Knowledge quiz – You might try this after a few weeks of using your knowledge organiser. Get someone to set you 10 questions using your knowledge organiser. These could be spellings, key words, processes, equations etc to see how much you can remember! Record your score and see if you can beat your personal best each half term!

Contents Page

Pages	Subject
4 - 7	English
8 – 20	Maths
21 – 26	Science
27 – 28	Art
29	Textiles
30 – 35	Computing
36	Drama
37 – 38	Music
39	Design Technology
40	Engineering
41 – 42	Food Technology
43 - 44	French
45 – 46	Geography
47 – 49	History
50	PRE



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Year 7 – English – Mastery Descriptive Writing

Mastery Descriptive Writing Rules

- When describing a setting, you should aim to be **clear** and **emotive**(a).
- Make sure that the emotions you are Emotion using are **appropriate**(j) for the setting you are writing about.
 - Consider how changing the emotion can change the perception(b) of a setting.



- Using language techniques such as metaphors(c) to improve our descriptive writing.
- Identify your **tenor**(d), **ground**(e) and vehicle(f) to craft exciting and 0 accurate imagery (I). D S S
 - Make sure the details in your image are worthy and relevant tenors.
- The wild, stormy night was as black as death. 榮 The wolf gazed at the moon and howled. \mathbb{P}

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- When writing descriptively, we need to focus on where our narrative is going. Always begin a new idea with what happens in the next moment of the storv. The events in your writing need to be
 - logical(g) and possible.
- Make sure that your writing is **consistent**(h) and does not jump ahead too much.



Before you write anything, you will need to make a **plan**. What **images** and emotions will you include? E E After you have completed your writing, review(i) what you have written in order Q to check for spelling, punctuation and grammar mistakes. Is the writing accurate? What could σ you improve?



	_		
Y7 – English – Mastery Descriptive Writing		Key terms	Definition
You will be describing images just like Descriptive Writing Model Example	A	Emotive	Expressing a great emotion rather than being factually descriptive.
the one below, making sure your I have used a metaphor(c), writing is accurate, emotive(a), I have used positive	В	Perception	The way something is understood or recognised.
imaginative and well-sequenced(k). emotive(a) language. vehicle(f) and ground(e).	С	Metaphors	When one thing is compared with something else, showing how they are both similar.
The trees and hedgerows swayed in the			Example: You are my sunshine!
light daybreak breeze, despite the cool morning dew of the November morning.	D	Tenor	The real thing/idea you want to try and describe to your audience.
Though their colourful leaves would be falling soon, the trees stood as proud asThis is my tenor(d).	E	Ground	The things your tenor and your vehicle have in common.
Before I write anything, I should make	F	Vehicle	The imaginative idea you compare your real thing/idea with to help your audience understand it.
sure that I plan what I am going to golden rays to the fields spread out across the the valley. It warmed the grass as the	G	Logical	When something is expected or sensible in the events happening at the time.
I have made sure that I have made sure	Н	Consistent	Acting or done in the same way over time, and not containing anything that would change it.
the events in my narrative are possible , or logical (g).	I	Review	To check over something again in order to identify any mistakes.
My writing is looking at what happens in the next moment. A brand new day was hear. I have made a mistake. I will need to review(i) my work	J	Appropriate	If something is appropriate, it matches the situation. If the emotion you are describing is appropriate, it matches the rest of your writing.
I am making sure that my writing is consistent(h). I have made sure that my descriptions result in a	К	Well- sequenced	When the events in your writing follow on from each other and make sense.
positive perception(b) of the image for the reader.	L	Imagery	Descriptions which create a visual image for 5 the reader.

Year 7 – English – Poetry	The Poems and Their Key Metaphors 'Fog' – Carl Sandburg, 1878 – 1967
 Literal Language If something is literal, it is accurate or exact. A literal description tells what actually happened. Something that is literal reports on things that have happened. An example would be: 'He is lazy.' 	 'The fog comes on <u>little cat feet'</u> Both 'the fog' and the 'little cat feet' are grey, delicate and move gently. 'November Night' - Adelaide Crapsey, 1878 - 1914 'like steps of passing ghosts,/ <u>The leaves</u>, frost -crisp'd, break from the trees and fall' Both 'the leaves' and 'the steps of passing ghosts' rustle
 Metaphorical Language If something is a metaphor, it is not literal. A metaphor does not report on what actually happened. A metaphor tells us more about something by connecting ideas together. An example would be: 'He is a couch potato.' 	Both 'the leaves' and 'the steps of passing ghosts' rustle softly. Image: Softly in the Tyger' - William Blake, 1757 - 1827 'The Tyger, Tyger, burning bright' Both the tiger and burning light are dangerous and both are orange and dazzling. 'Sally' - Phoebe Hesketh, 1909 - 2005
Parts of a Metaphor The tenor: the thing you want to try and describe to your reader. The vehicle: The imaginative idea you compare it with to help your audience understand it. This is the 'made up' bit. The ground: The thing the tenor and the vehicle have in	 'She was <u>a dog-rose</u> kind of girl:/ Elusive, scattery as <u>petals'</u> Both Sally and 'a dog-rose' are wild and not traditionally beautiful. 'Frogs' – Norman MacCaig, 1910 – 1996
Common. Unpicking an Example 'Achilles fought like a lion.' (Both Achilles and the lion are strong.) Achilles is the tenor because he is the thing being described. The lion is the vehicle because it is the imaginative idea Achilles is compared to. The ground is that they are both strong because this is what they have in common.	 'In mid-leap they are/ parachutists falling/ in a free fall' ' their ballet dancer's/ legs' Both frogs and 'parachutists' leap into the air and spread out when they fall. Both frogs and ballet dancers have powerful and elegant legs. 'The Eagle' – Alfred, Lord Tennyson, 1809 – 1892 'And like a thunderbolt he falls' Both the eagle falling and 'a thunderbolt' are fast and dangerous.



<u>Year 7 – English – Poetry</u>

The Eagle

He clasps the crag with crooked hands; Close to the sun in lonely lands, Ring'd with the azure world, he stands.

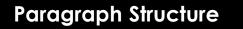
The wrinkled sea beneath him crawls; He watches from his mountain walls, And like a thunderbolt he falls.



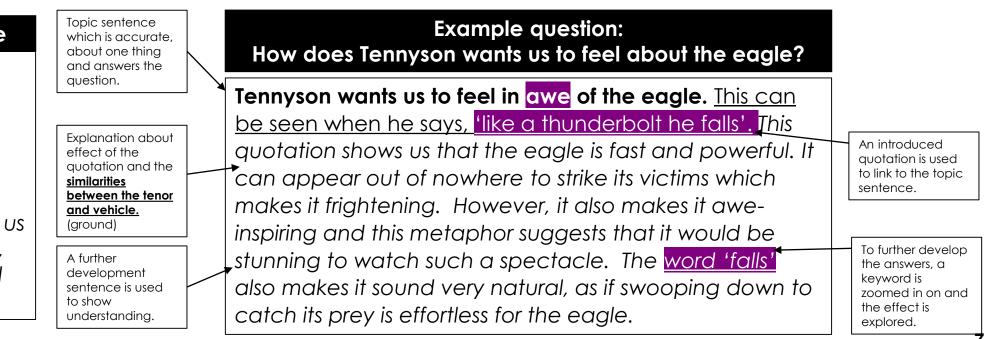
azure – deep blue



	'The Eagle's' Metaphors		
Tenor	<u>Vehicle</u>	Ground	
The eagle's claws (line 1)	<u>"crooked</u> hands"	Strong, powerful, gnarled, dangerous.	
The sea (line 4)	something "wrinkled"	The sea is ancient, and not as powerful as the eagle.	
The sea (line 4)	something that "crawls"	The eagle flies dangerously quickly – the sea is sluggish.	
A mountain (line 5)	"walls"	The eagle is in a place of safety and strength, up on high ground.	
The eagle (line 6)	<u>"a</u> <u>thunderbolt"</u>	The eagle can strike its victims out of nowhere, is stunning to watch, and dangerous.	



- 1. Write your topic sentence.
- 2. <u>Introduce and</u> provide the <u>quotation.</u>
- Explain what the quotation shows us about the eagle, using the ground to help you.





Year 7 – Maths – Mastery: Unit 1 Numbers and Numerals

<u>Number Systems</u>

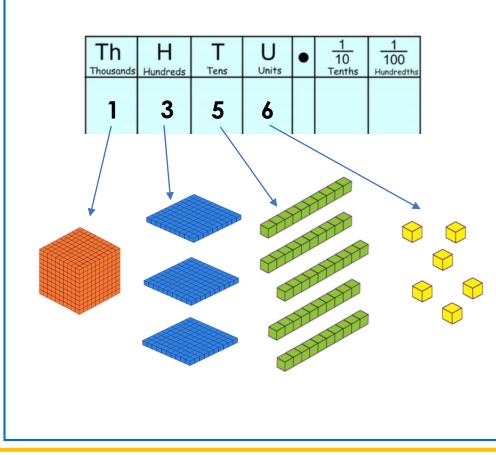
and forty three.

<u>Base 10</u>

This is the number system we use every day.

Base 10 **place value** has a relationship of \times 10 between columns, moving from right to left.

We can use a place value chart to help us read and write numbers in base 10.



			Keyword	Definition/Tips
	_	nd Writing Numbers	/Skill	
<mark>0</mark> – Zero	10 – Ten	20 – Twenty		
1 – One	11 – Eleven	30 – Thirty		The system we use for counting. Also
2 – Two	12 – Twelve	40 – Fourty	Base 10	called the decimal
<mark>3</mark> – Three	13 – Thirteen	50 – Fifty		system.
4 – Four	14 – Fourteen	60 – Sixty		
5 – Five	15 – Fifteen	70 – Seventy		
<mark>6</mark> – Six	16 – Sixteen	<mark>80</mark> – Eighty		The value of each
7 – Seven	17 – Seventeen	90 – Ninety	Place	digit in a number.
8 – Eight	18 – Eighteen		value	We can use a place value grid to
9 – Nine	19 – Nineteen			help work this out.
The sta	ndard short scale	system		
	1 ones 10 tens			
	100 hundreds			
	1 000 thousands			
	10 000 ten thousc 00 000 hundred t			
	00 000 millions	nousanas		
	00 000 ten million	S		
100 0	00 000 hundred r	nillions	Other Topics	/Units this could appear in:
354 943 This number is written as three hundred and fifty four thousand, nine hundred		decimal: • Perimete	s, powers, roots, s and rounding er and area i in context 8	

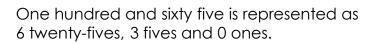
SWB Year 7 – Maths – Mastery: Unit 1 Numbers and Numerals

Base 5 groups numbers in fives instead of tens.

<u>Base 5</u>

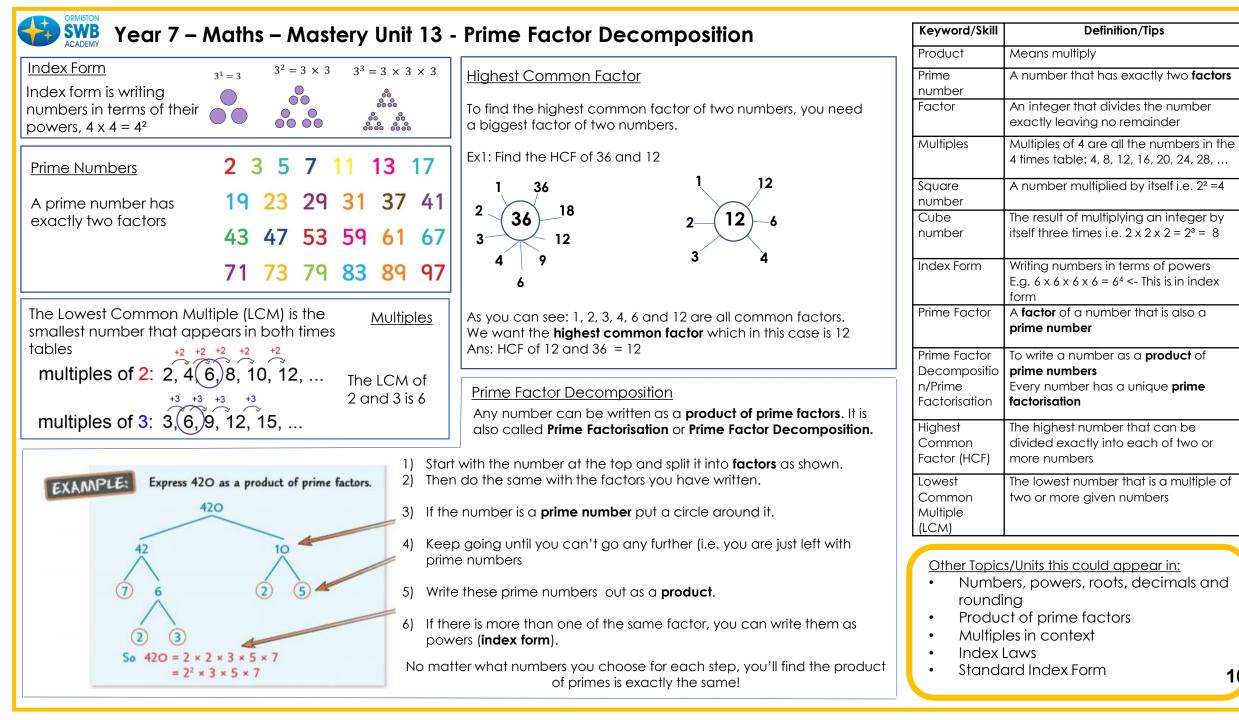
One hundred and thirteen is represented as 4 twenty-fives, 2 fives and 3 ones.

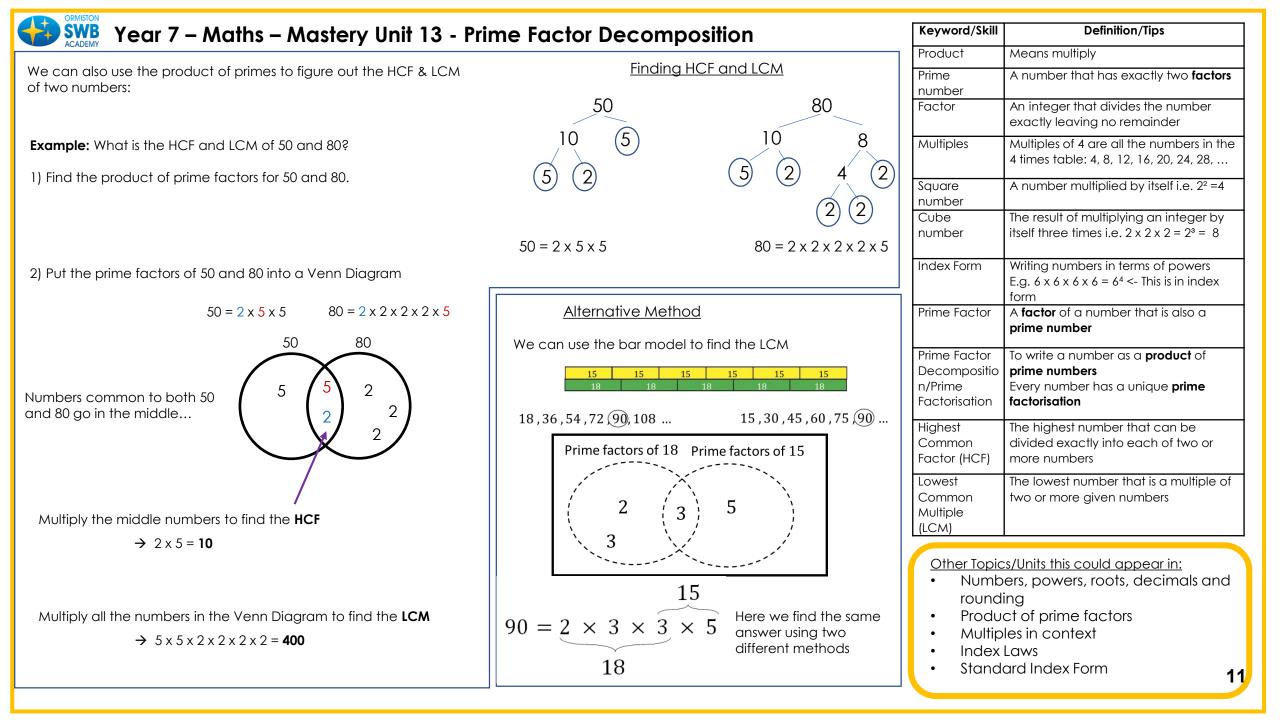
twenty-fives	fives	ones
4	2	3



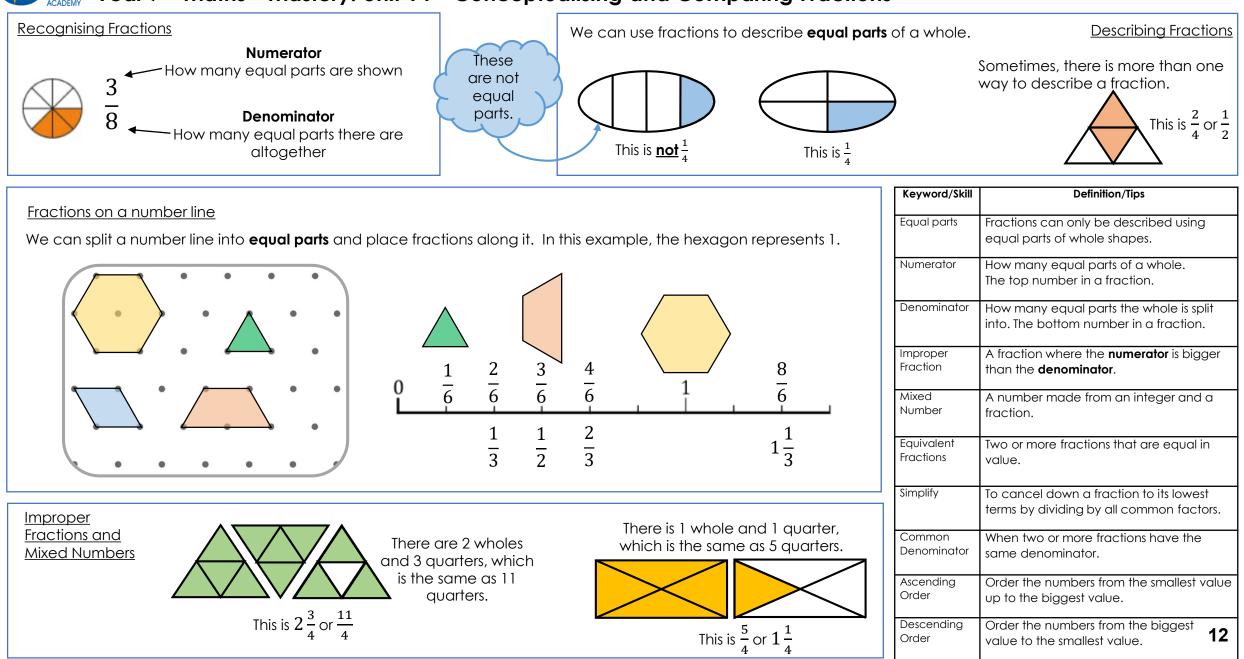
twenty-fives	fives	ones
6	3	0

	Indian Number System	Keyword/ Skill	Definition/Tips
The Indian number 1 10 100 1 000 10 000	r system ones tens hundreds thousands ten thousands	Base 5	Numbers are counted in fives, a bit like in a tally chart.
$ \begin{array}{c} 10000\\ 100000\\ 1000000\\ 1000000\\ 1000000\\ \end{array} $	lakhs ten lakhs crores ten crores	Base 10	The system we use for counting. Also called the decimal system.
	$\frac{\text{Mayan Number System}}{\begin{array}{c} \\ & \\ 1 \\ 2 \\ \hline \\ & \\ 6 \\ \hline \end{array}} \underbrace{\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	Place value	The value of each digit in a number. We can use a place value grid to help work this out.
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Numbers,	





SWB Year 7 – Maths – Mastery: Unit 14 – Conceptualising and Comparing Fractions



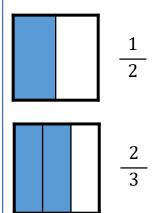
SWB Year 7 – Maths – Mastery: Unit 14 – Conceptualising and Comparing Fractions

Here are some different representations of fractions. Make sure you can match them up into **equivalent** sets. **Different Representations** Λ 2 3 3 One and one half Three quarters One and one third $\overline{2}$ $\overline{4}$ $\overline{3}$ Fractions as Division Using a Fraction Wall Two bars of chocolate are shared **equally** by 1 We can see which fractions are 2 three children. How much does each child get? equivalent because they are the same size in the fraction wall. 4 1 1 We can use fraction notation 6 to describe a division. 1 Other Topics/Units this could come up in: 7 Two shared between three = $2 \div 3 = \frac{2}{2}$ Unit 15 – Manipulating and Calculating 1 with Fractions 8 1 9 They get $\frac{2}{3}$ of a bar each. 1 13 $\overline{10}$

SWB Year 7 – Maths – Mastery: Unit 14 – Conceptualising and Comparing Fractions

We can see that all these are **equivalent**.

=



 $\frac{1}{2}$

5

1 8

5

8

8

 $\frac{1}{12}$

12

. 12

12

12

12

5

7

8

10

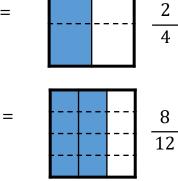
 $\frac{1}{12}$

12

12

. 12

8



 $\frac{1}{2}$

5

8

8

1

10

12

5

7

1

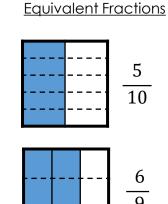
8

9

1

10

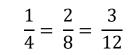
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A fraction wall is a useful way of finding fractions that are equivalent.

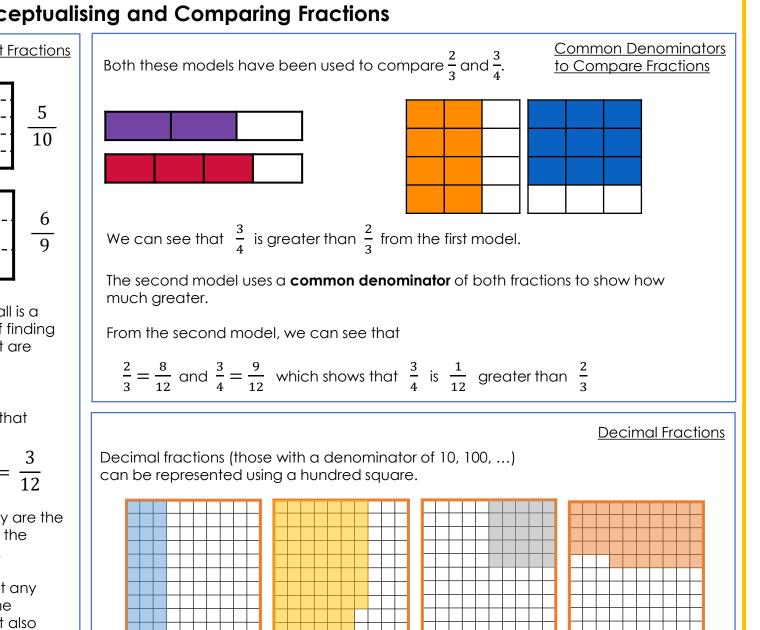
We can see that



because they are the same size on the fraction wall.

Can you spot any patterns in the numbers that also shows why they are equivalent?

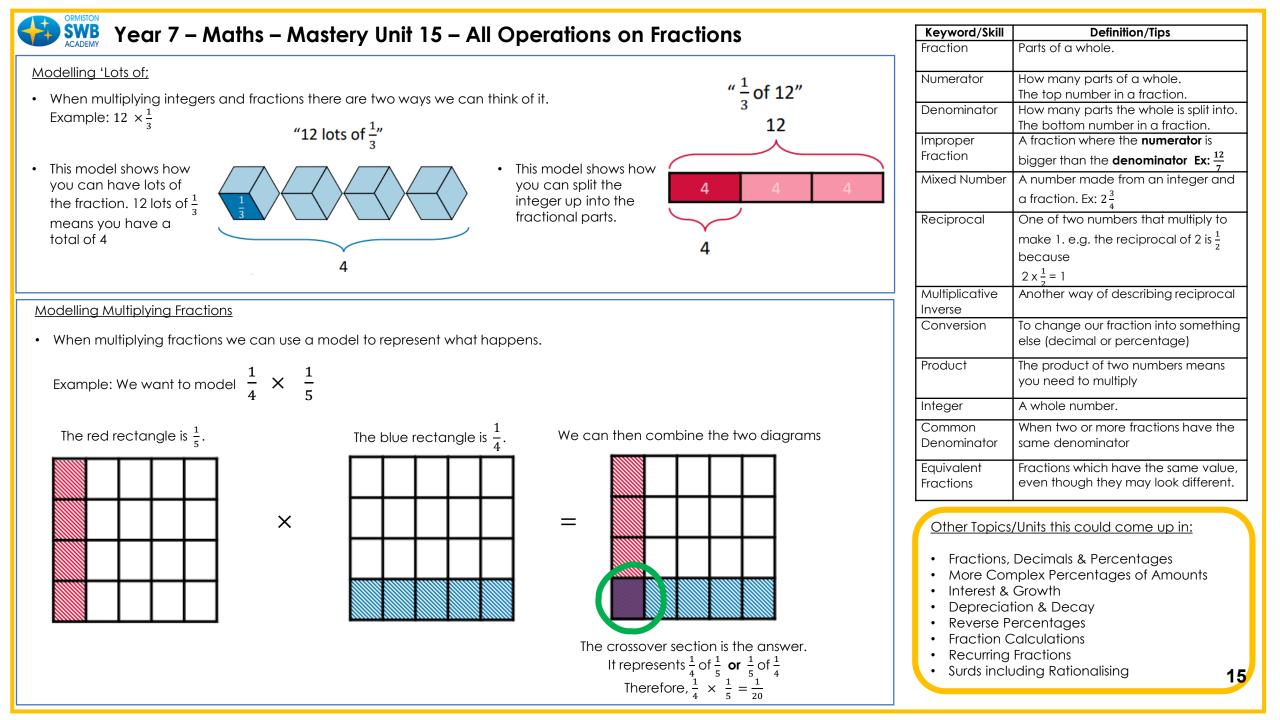
 $\frac{3}{10}, \frac{30}{100}, 0.3$

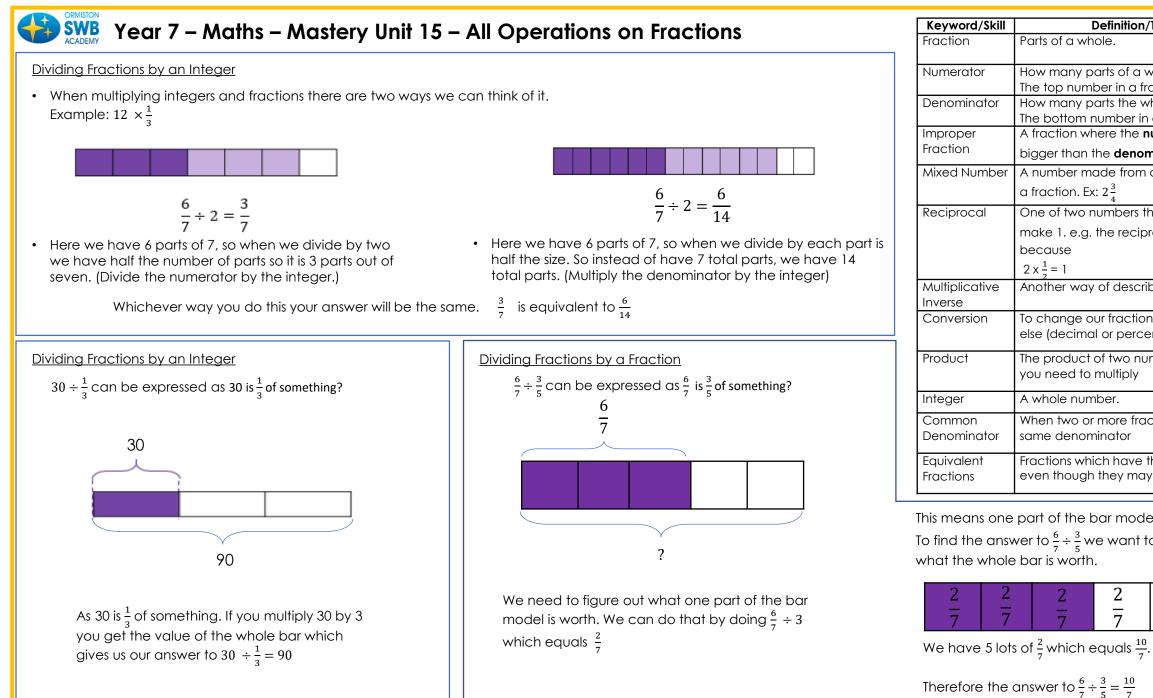


 $\frac{68}{100}, \frac{34}{50}, 0.68$

 $\frac{25}{100}, \frac{1}{4}, 0.25$

 $\frac{47}{100}$, 0.47

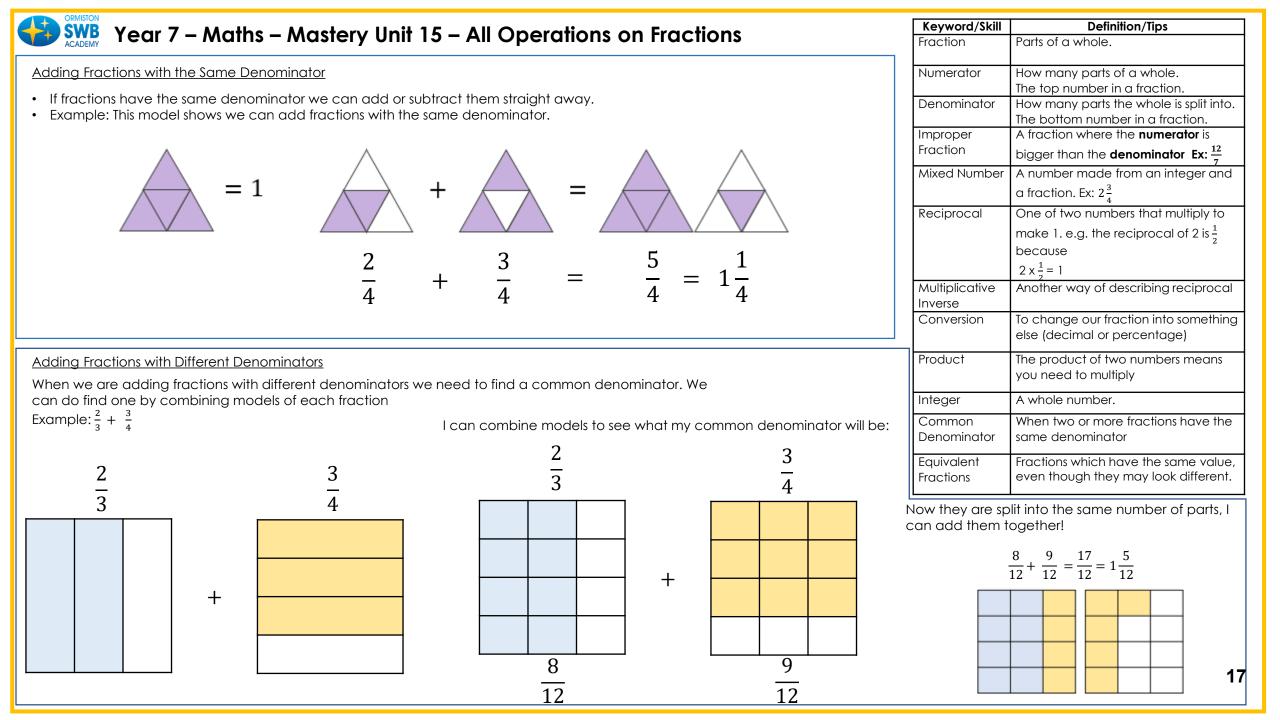




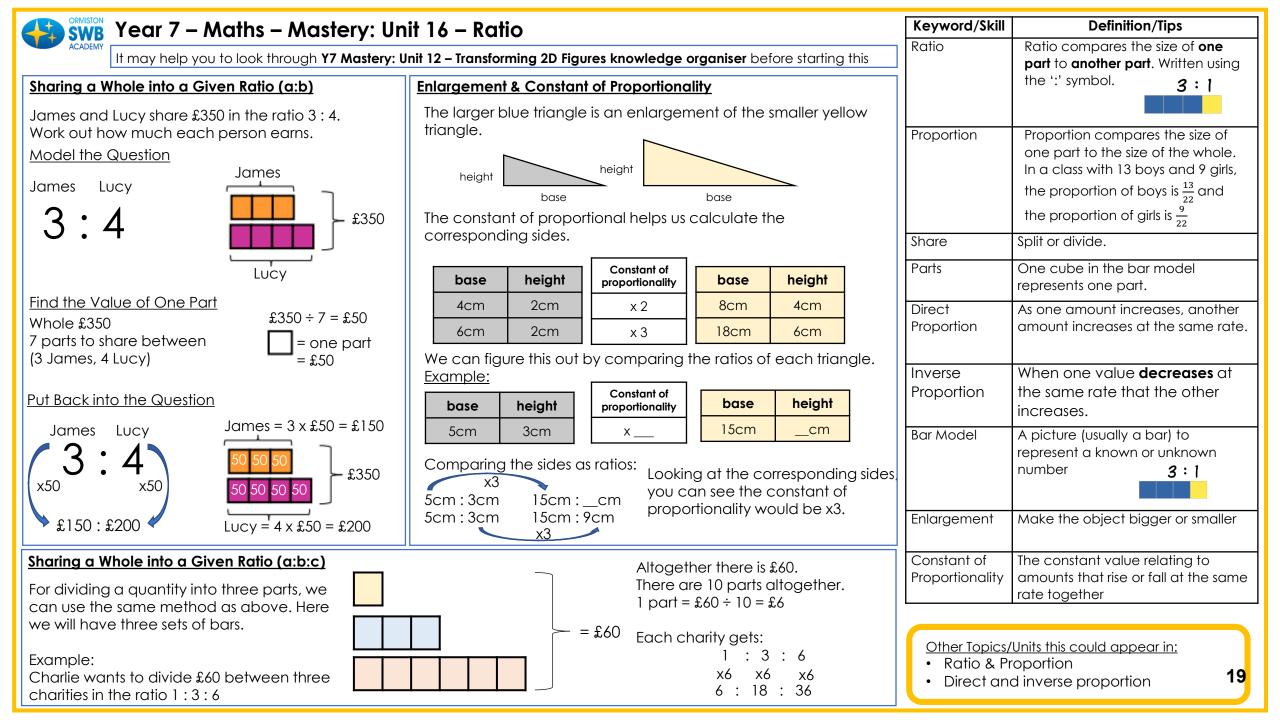
Keyword/Skill	Definition/Tips
Fraction	Parts of a whole.
Numerator	How many parts of a whole. The top number in a fraction.
Denominator	How many parts the whole is split into. The bottom number in a fraction.
Improper	A fraction where the numerator is
Fraction	bigger than the denominator Ex: $\frac{12}{7}$
Mixed Number	A number made from an integer and
	a fraction. Ex: $2\frac{3}{4}$
Reciprocal	One of two numbers that multiply to
	make 1. e.g. the reciprocal of 2 is $\frac{1}{2}$
	because
	$2 \times \frac{1}{2} = 1$
Multiplicative Inverse	Another way of describing reciprocal
Conversion	To change our fraction into something else (decimal or percentage)
Product	The product of two numbers means you need to multiply
Integer	A whole number.
Common Denominator	When two or more fractions have the same denominator
Equivalent Fractions	Fractions which have the same value, even though they may look different.

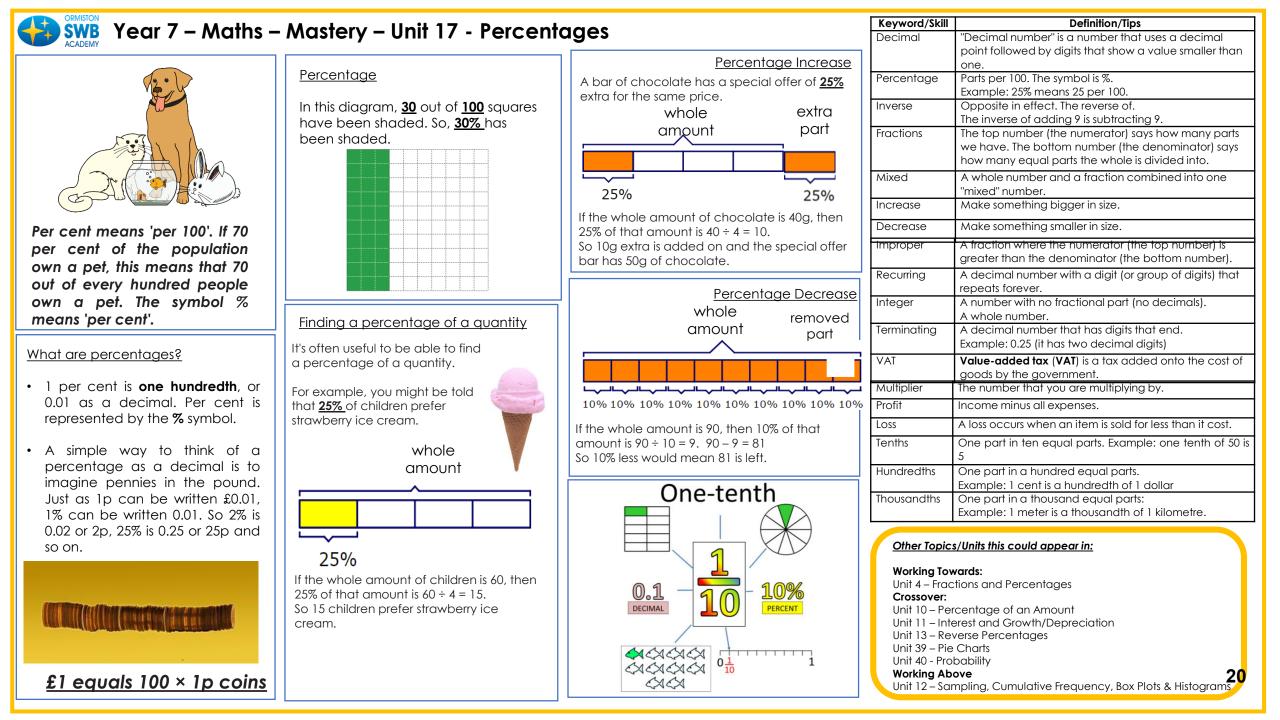
This means one part of the bar model is worth $\frac{2}{2}$. To find the answer to $\frac{6}{7} \div \frac{3}{5}$ we want to know what the whole bar is worth.

2	2	2	2	2
7	7	7	7	7

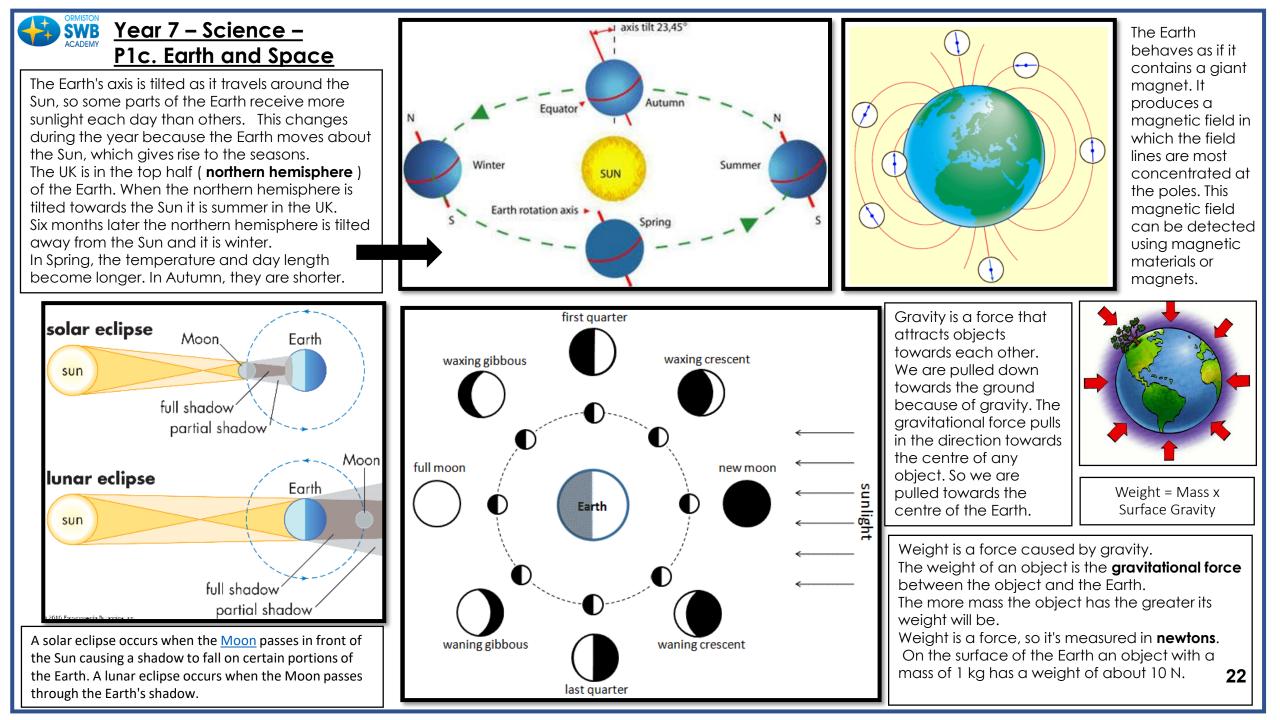


SWB Year 7 – Maths – Mastery: Unit 16 – Ratio	Keyword/Skill	Definition/Tips
ACADEMY Order is Important Representing a Ratio "For every 5 boys there are 3 girls" 5:3 This is the "whole" – boys and girls together This represents the 5 boys For every dog there are 2 cats" Dogs : Cats 1:2 Image: Cate is the formula is the	Ratio	Ratio compares the size of one part to another part . Written using the ':' symbol. 3 :1
This represents the 5 boys This represents the 3 girls This represents the 5 boys This represents the 3 girls This represent 2 dogs for every 1 cat	Proportion	Proportion compares the size of one part to the size of the whole. In a class with 13 boys and 9 girls, the proportion of boys is $\frac{13}{22}$ and the proportion of girls is $\frac{9}{22}$
In The Same Ratio	Share Parts	Split or divide. One cube in the bar model represents one part.
The ratio of blue cubes to red cubes is 1:2 If we add 1 blue and 2 red cubes, the ratio of red cubes to blue cubes is now 2:4 2:4 is in the same ratio as 1:2 If 2 cubes of each colour cubes are	Direct Proportion	As one amount increases, another amount increases at the same rate.
we need double the amount of blue cubes. That means 6 red cubes are needed 1:2 3:6 x2	Inverse Proportion Bar Model	When one value decreases at the same rate that the other increases. A picture (usually a bar) to
Equivalent Ratios		represent a known or unknown number 3 : 1
2:3	Enlargement	Make the object bigger or smaller
4:6 6:9 These strips show that each ratio is equivalent as the same area of each strip is gold and silver.	Constant of Proportionality	The constant value relating to amounts that rise or fall at the same rate together
8:12	Ratio & Pi	<u>/Units this could appear in:</u> roportion d inverse proportion 18





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Year 7 – Science – P1c. Earth and Space	Keyword	Definition	Keyword	Definition
EARTH	Planet	eight planets in our solar system, including the Earth,		An asteroid is a chunk of rock and metal in outer space that is in orbit around the Sun.
		and smaller dwarf planets, such as Pluto, Ceres and Eris.	Axis	An imaginary line about which a body rotates.
23.5°	launched many artificial satellites into orbit. The		Comet	Comets are balls of ice and dust in orbit around the Sun
C of		Moon is the Earth's natural satellite.	Crescent	A crescent is a thin, curved shape that is thicker in
A day is 24 hours long. This is because it takes 24 hours for the	Seasons			the middle and tapers to thin points at each end, like the little sliver of moon you might notice in the sky.
Earth to spin once on its axis. The half of the Earth facing the Sun	Solar	because the Earth's axis is tilted. The solar system consists of the Sun surrounded by	Days	A day is the time it takes for a planet to turn once on its axis. An Earth day is 24 hours long.
is in daylight. The half facing away from the Sun has no sunlight and	system	planets, comets and asteroids in orbit. Most planets in the solar system have moons in orbit around them.	Eclipse	An eclipse occurs when one object blocks another object from being seen. From Earth there are two
so becomes night-time.	Star	These are giant spheres of superhot gas made up mostly of hydrogen and helium. Stars get so hot by		main types of eclipses: solar eclipses and lunar eclipses.
One year = 3651/4 days		burning hydrogen and helium. Our Sun is an example of a star.	Ellipse	An oval shape, squashed circle shaped.
	Tilt	An object being in the sloping position.	Galaxy	Contains millions of stars, geld together by the force of gravity.
Universe	Waning	After the Moon gets to its full phrase, we start to see less and less of the Moon.	Gibbous	Gibbous moon appears to be more than one-half but not fully illuminated by sunlight.
	Waxing	As the Moon begins its orbit, and we see more and more of the Moon.	Gravity	Gravity is a force that attracts objects towards each other. We commonly experience gravity by being
Galaxy	Universe	Contains billions of galaxies.		pulled downwards by the Earth.
			Hemisphere	Hemisphere means half (hemi) of the Earth (sphere).
Milky way		Mercury Venus Earth Mars -Jupiter -Urenus -Neptune	Magnetic field	A force around magnet. The force around a magnet cannot be seen.
	- MARINE	− Me − Ve − Ve − Ve − Ve	Meteoroid/ Meteor	A meteoroid is a small rock or particle of debris in our solar system. A meteoroid that burns up as it passes
Stars and planets		_ا 🗢 🧇 🥮 🥑 اِ اَ		through the Earth's atmosphere is known as a meteor.
" <u>My V</u> ery <u>E</u> ager <u>M</u> other <u>J</u> ust	Sun	inner planets outer planets	Moon	Satellite to the Earth. It is smaller and has less mass than Earth.
<u>S</u> erved <u>U</u> s <u>N</u> achos"	Sun		Phases of the moon	The phase of the moon is how much of the moon 21 appears to us on Earth to be lit up by the sun.
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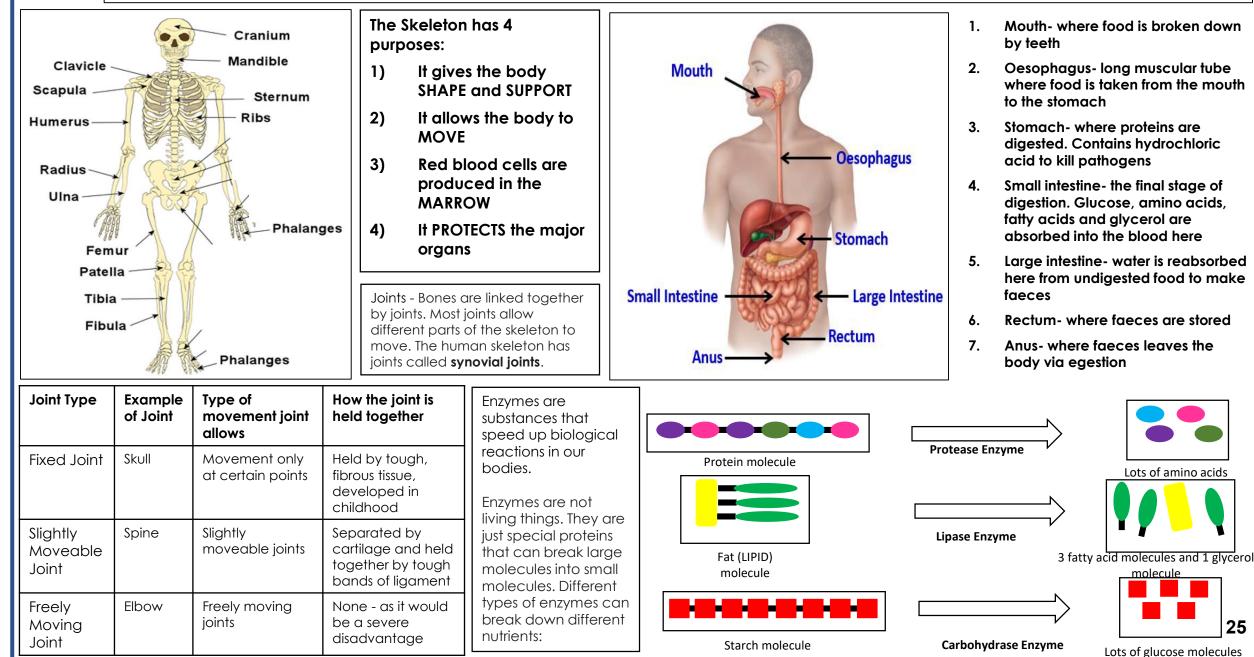
ORMISTON SWB ACADEMY	Year 7 – Science – B1a. Co	ells		Name of Specialised	Diagram	Adaptations	Keyword	Definition
Animal Cell Plant Cell Plant and Animal Cells share these Plant Cells contain these extra features		Cell Sperm Cell	@	Has a tail so it can swim to the egg cell with genetic	Movement Respiration	Animals move to escape a predator or to find food, shelter or mate. Plants will move to reach sunlight and nutrients A process that happens in		
Cell Membrane Rigid Cell Wall Cytoplasm Chloroplasts			Red Blood Cell		information No nucleus- contains	Sensitivity	mitochondria that releases energy that the cell will use to carry out reactions When organisms are aware of	
	Mitochondria	cuole			O	haemoglobin so it can carry oxygen around the body		their environment e.g., how hot or cold it is, how much light there is
Organelle	Function	Found in animal cells?	Found in plant cells?	Root Hair		Has an	Growth	When organism increases in height, length, mass
Nucleus	An organelle that controls the cell's activities and where genetic information (DNA) is found	4	~	Cell		increased surface area so it can absorb	Reproduction	When organisms make more of their species
Cytoplasm	A jelly-like substance where chemical reactions occur	✓	×		(internet in the second	more water and mineral ions	Excretion	When organisms remove waste products that are made during
Cell Membrane	A layer around the cell that controls what enter and leaves it	√	~	Ciliated Cell	T man	Hair-like projections	Nutrition	Animals and plants break down nutrients so they can be more
Mitochondria	An organelle found in cells where respiration occurs	✓	~		•	called cilia that move along mucus and dust	Organelle	easily used for energy and growth Parts that make up a cell
Cell Wall	Outer layer found in plant and bacteria cells that provide support and protection to the cell		×	Palisade		Contains many	Cell	The single unit building block of life
Chloroplast	An organelle found in plant cells that absorbs light and is where photosynthesis occurs		~	Cell		chloroplasts needed for photosynthesis	Tissue	A group of similar cells working together
Vacuole	A fluid filled sac found in plant cells that contains cell sap		~			to occur	Organ	A group of similar tissues working together
Cells	Tissues Organ	Organ	system	> Organism			Organ system	A group of organs working together
			-		V		Organism	A living thing
		670		any			Specialised cell	A cell that has differentiated (changed) to do a particular job
		1	11		N		Microscope	Scientific equipment that allows 23 you to see objects you cannot see with the naked eye

	Year 7 – Science – B1	b. Body Systems
What are the parts of	of the male reproductive system? What a	are the parts of the female reproductive system?
glands testis urethra	scrotum ute	ary oviduct rus uterine lining gina cervix
Reproductive Organ	Function	The Menstrual Cycle
Testis	Where sperm are produced	Lipin You.
Scrotum	Sac of skin holding and protecting the testis	Lining our period by the start of the start
Urethra	Carries sperm outside the body	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Glands	Adds fluids to the sperm	ot fertil
Sperm Duct	Carries sperm from the testis	Days of the Average Days of the Average Menstrual Cycle
Cervix	The opening or the neck of the uterus	of the ut of the
Uterus	Large muscular organ where the baby will develop	Days of the Average Menstrual Cycle 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Uterine Lining	Where the fertilised egg is implanted	Ovulation
Oviduct	Carries the eggs from the ovaries to the uterus	Egg released
Ovary	Where eggs are matured and released	

	Keyword	Definition
stem?	Puberty	The change that occurs in males and females into mature adult bodies ready for reproduction
uct	Menstrual Cycle	A monthly series of changes that occurs in females to prepare for pregnancy, on average the cycle is 28 days long
lining	Menstruation	The stage of the menstrual cycle where the lining of the uterus breaks down. Also known as a 'period'.
	Ovulation	Happens around day 14 of the menstrual cycle, this is when an egg cell is released from an ovary
r <mark>ix</mark>	Fertilisation	When the nucleus of a sperm cell enters an egg cell and fuses (joins) with the nucleus of an egg cell, creating a zygote
	Embryo	The word used to describe the early stages of baby development
eriod	Implantation	When a fertilised egg (zygote) embeds into the wall of the uterus
5 stredts	Placenta	An organ that grows in the uterus during pregnancy where substances are exchanged between the mother and the baby
6 Lin	Gestation	The period of time during which a baby develops and grows. In humans, this is stated as 9 months
New end	Labour	The process of childbirth, beginning with contractions and ending with the delivery of the baby
Lining of uterus begins to the second	Infertility Balanced diet	When a baby cannot be conceived naturally Eating the right amount of each of the 7 nutrient group
³ K	Deficiency disease	A disease caused by not having enough a particular nutrient
	Enzymes	Molecules that will break down large food molecules
	Digestion	The process of breaking down food into smaller 24 molecules the body can use

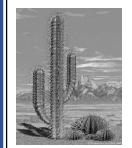


Year 7 – Science – B1b. Body Systems

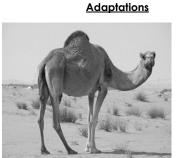




Year 7 – Science – B1c. Ecosystems

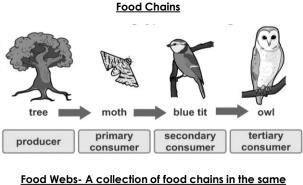


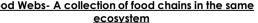
- Covered in a waxy layer to reduce water loss
- Leaves are reduced to spines to reduce water loss
- Extensive root network to absorb as much water as possible Flesh of stem can
- store a lot of water Spines protect
- predators from eating them

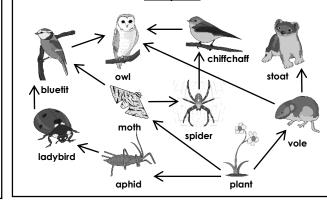


- Big feet with webbed toes to stop sinking into the sand
- Can store a lot of water in their body- NOT IN THE HUMP. Can drink 100l of water in 10 minutes Only a small amount of •
- urine is produced to reduce water loss • Hump is a fat store when there is nothing available
- to eat • Sandy coloured for camouflage, especially for
 - young animals Thick rubber lips that are

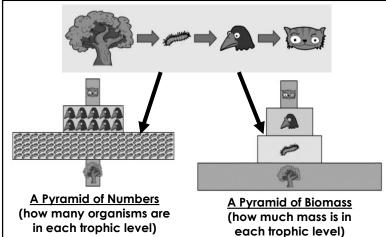
- - Thick layer of fur for insulation. The fur is greasy and keeps the animal dry when
 - swimming White fur for camouflage,
 - especially needed for young cubs Thick layer of fat called blubber.
 - Needed for insulation and an energy store Strong muscular legs
- to swim fast and run after prey
- able to eat through cacti



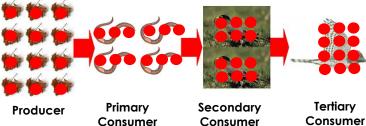




Bioaccumulation



Chemicals such as pesticides (that would be used to kill primary consumers) can build up in a food chain as organisms are consumed in larger numbers the further up the food chain you go. This can lead to toxic levels of the chemical in organisms that were not intended to be killed, like the tertiary consumer



Keyword	Definition	
Adaptation	The physical features an organism has so it is suited to live in a particular environment	
Variation	Differences within a species. These differences can be due to genetics or the environment	
Ecosystem	The habitat and the organisms that live in the habitat	
Habitat	Where an organism lives	
Population	The total number of a species living in a habitat	
Community	The different species of organisms living together in an ecosystem	
Food chain	A series of organisms each dependent on the next as a source of food	
Food web	A collection of food chains in the same ecosystem	
Trophic level	A certain hierarchy level in an ecosystem	
Predator	An animal that will hunt and consume other animals	
Prey	An animal that is hunted and consumed by other animals	
Interdependence	How organisms of many different species in an ecosystem are reliant on each other	
Producer	An organism that makes its own food, like plants	
Consumer	An organism that will eat another organism for food	
Herbivore	An organism that only consumes plants	
Bioaccumulation	How pesticides can be built up in a food chain	
	26	



Y7 ART SWARM KNOWLEDGE ORGANISER Visual Research/Title Page Using resources – testing out ideas/media. Making a personal response – final outcome.

How do I investigate the importance of insects and how they have influenced art from different times and cultures?

- Collect a range of information and present as an annotated Title page.
- Different cultures
- Different times/art Movement link.
- What does this research tell you?

A good annotated Title page should include key words and information art vocabulary and a range of collaged visual research.

How do I develop my drawing skills using markmaking techniques?

- Explore hatching, cross hatching, scumbling, and stippling.
- Use mark making to record surface tone, texture and detail.
- Create a copy of Alfred Basha's work.
- Develop skills/knowledge of the Formal Elements.

A good artist copy should show a clear understanding of the artist's use of materials and techniques.

How do I develop my own ideas to create a response to Alfred Basha's work?

- Use the ideas behind his work to inspire you.
- Use his composition style you like the best,
- Make your work as detailed as possible.
- Use Surreal collage blends successfully.

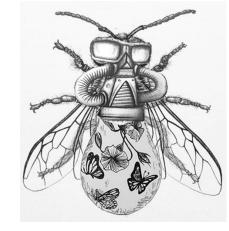
A good artist response should show clear links to your artist's work but be your own idea. You should use materials and techniques with skill and control.

> Wider Thinking: Watch Bugs Life or Ant Bully.

Expert modelling example..



Annotated Title page.



Artist response

<u>Stretch and Challenge:</u> <u>Youtube</u>: Pen and Ink Shading Techniques + Exploring Mark-Making: <u>https://www.youtube.com/watch?v=B3xrzxXvn8c</u>

]	Keyword	Definition
	-	
	Mark making	The creation of different patterns, lines, textures and shapes.
	Formal Elements	Key words that can be applied and used to describe 2D and 3D art and design.
	Response	Develop own ideas using chosen artist's style, materials and techniques.
	Investigate	Try out the qualities of materials, techniques or processes.
	Respond	Develop own ideas by taking inspiration from an artist's work.
	Hatching	Shading with closely drawn parallel lines
	Cross hatching	The drawing of two layers of hatching at right-angles to create a mesh-like pattern.
	Scumbling	Layers of small scribbled marks to build up tone and texture.
	Stippling	The creation of a pattern by using small dots. Such a pattern may occur in nature
	Collage	A piece of art created by combining photos, clippings or small objects onto a surface.
J	Refine	Improve work by responding to feedback. 27



Y7 ART COLOUR THEORY KNOWLEDGE ORGANISER Developing ideas/artist research Using resources – testing out ideas/media. Making a personal response – final outcome.

°0

How do I identify the formal elements of Carolee Clark's work to create a written analysis?

- Artist's information/nationality.
- Inspiration
- Colour
- Pattern
- Composition
- What message is the artist trying to put across?
- A good written analysis should include correct art vocabulary and your own opinion of the work.

What needs to be included to create a good copy of Carolee Clark's's work?

- Contour Line and Pattern
- Primary and Secondary Colours
- Warm and Cool Colours
- Tints and Shades
- Scale

A good artist copy should show a clear understanding of the artist's use of materials and techniques.

How do I develop my ideas to create a response to Carolee Clark's work? :

- Use <u>the idea</u> behind her work to inspire you.
- Use her composition style that you like best,
- Make your work as detailed as possible.
- Use Colour Theory to apply colours successfully.

A good artist response should link to the ideas and inspiration behind the artist's work and use her materials and techniques with skill and control.

Wider Thinkina:

Look at the other artists' abstract work, for example: Wahyu R., Kent Paulette, Theresa Paden and Gillie & Marc Artist work example and students' response..



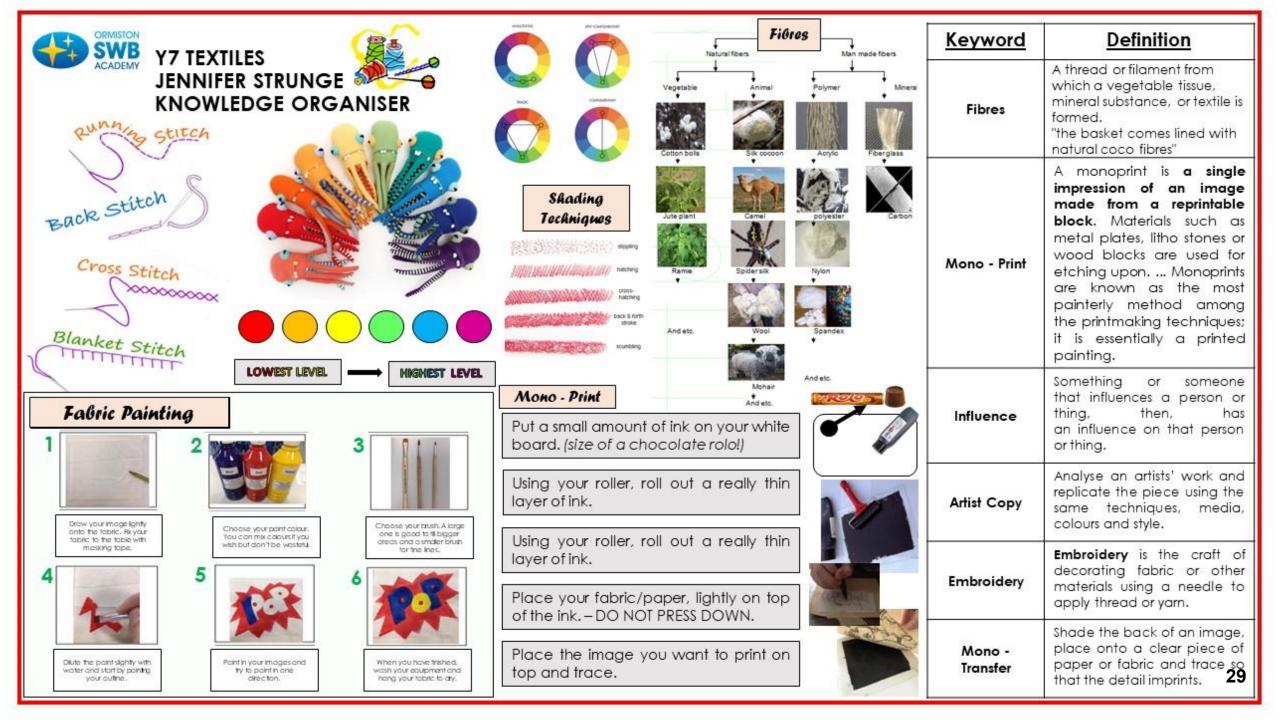
Artist work



Artist response

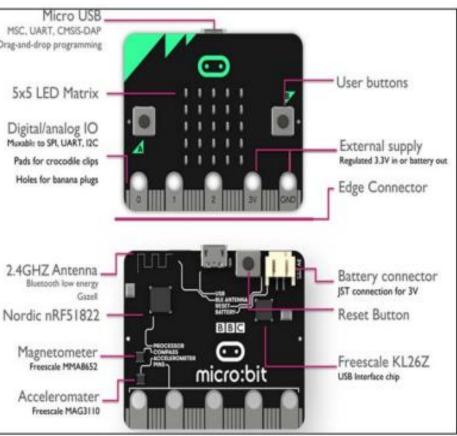
Stretch and Challenge: Look into Abstract Art Movement and how artists used colours, shapes and pattern in their artworks.

Keyword	Definition	
Analyse	Examine in detail.	
Saturated	The intensity of colour in an image.	
Apply	Put skills/knowledge/understanding into action.	
Describe	Give a clear description that includes all the main features – think of it as 'painting a picture with words'.	
Blend/Layer	Mix together – put on top of each other	
Abstract	Art style which is not realistic and does not represent images of everyday life.	
Investigate	Test the qualities of materials, techniques or processes through practical work.	
Pattern	A repeated decorative design.	
Contour Line	An outline of an object	
Refine	Improve work taking into account feedback and aims.	
Colour Wheel Primary Colours Secondary Colours Warm and Cool Colours 	A colour wheel illustrates colours around a circle, which shows the relationships between primary colours, secondary colours, warm and cool colours.	
Colour	Colour has the strongest effect on our emotions. It is the element we use to create the mood or atmosphere of an artwork.	



Similar Year 7 – Computing – Micro:Bits

Key vocab	
Micro:bit	A small computer designed by the BBC for use in computer education in the UK.
Processor	Receives inputs from the computer and produces outputs.
USB	The form of power supply used by the Micro:bit – power is transmitted from the computer via a micro-USB cable.
Buttons	Input devices used within the Micro:bit to control or alter programs whilst running.
LED (Light emitting diodes)	(LEDs) – used on the Micro:bit as a screen in a 5x5 grid to display information.
Accelerometer	An input device within the Micro:bit to control or alter programs by tilting or moving the device.
Microsoft Block Editor	The visual programming language used to create
Algorithm	A set of instructions to be followed to complete a given task or solve a problem.
Program	A sequence of instructions used by a computer.
Sequence	The order which the computer will run code in, one line at a time.
Selection	A decision made by a computer, choosing what code should be run only when certain conditions are met.
Condition	Checking to see whether a statement or sum is true or false.
Iteration	When a section of code is repeated several times – also known as looping.
Variable	Something which can be changed in a computer. Made up of a name and some data to be saved.



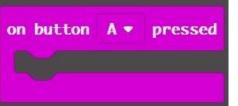
Website: <u>www.microbit.org</u> – Here you can research, code and find out more about what your microbit can do.

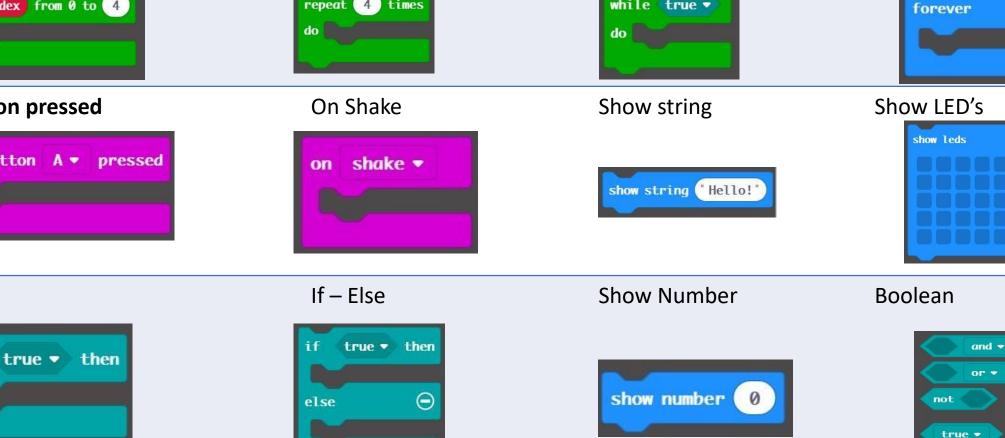
Swe Year 7 – Computing – Micro:Bits Key blocks For Repeat While Forever while true • for **index** from 0 to 4 repeat (4) times

3

On button pressed

lf





31

false -

STATES ACADEMY Year 7 – Computing – Python basics

Va	riables	myvariable = 28		Data Types	
•	Variables are for storing values in memory. A variable is declared (set up) and values are assigned.	x = 3	-	/Float ber with decimal Point	
•	Variables are assigned a value using the = operator. It chooses the bets data type for the value.	name = "Bob"	Integ Num	ger ber without a decimal Point	
•	No spaces in names but can use under_score or camelCase.	my_wage = 3.5	Strin A ser	g ies of characters/TEXT	
•	No numbers at start of variable names.	favCol = "red"		r acter gle letter or symbol	
			Date	/Time	
•	mments Comments are for explaining lines of code or while sections.	<pre>x = 3 #can comment at the side #or comment above house = "open"</pre>	Bool	and Time in any format ean no, true false value	
Pri •	nt Print information to the screen. Can be text, numbers or values in variables.	print("hello world")		parative Operators	
	can be text, numbers of values in valuables.	<pre>print(12) print(name)</pre>	==	Equal to	
Inp	put		!=	Not equal to	
•	Allows user to type in data and store in a variable. User prompt requires the "".	<pre>variable = input("message")</pre>	>	Greater than	
		<pre>name = input("please enter your name") age = int(input("please enter your age"))</pre>	<	Less than	
•	May need to convert data type.	age - int(input(prease enter your age))	>=	Greater than or equal	to
			<=	Less than or equal to	32
			-		

Swiston Section Year 7 – Computing – Python Basics

If and elseif statement

- Allows SELECTION of different paths.
- Use of THEN & ENDIF.
- MUST include <u>indent</u> of 4 spaces or TAB
- ELSE is optional.
- Conditions are set using different <u>comparison</u> <u>operators.</u>

==	Equal to	
!=	Not equal to	
<	Less than	
<=	Less than or equal to	
>	Greater than	
>=	Greater than or equal to	

• Can use more than 1 condition using <u>Boolean</u> <u>operators</u>.

AND	Both conditions are True
OR	Either of the conditions is True
NOT	If condition not True

- Use of ELSEIF allows for further selection.
- Can have as many as wanted.
- ELSE still optional.

if password == "pa55word1":
 print("you may enter")

```
if score > 80:
    print ("grade A")
elif score > 70:
    print ("grade B")
elif score > 60:
    print ("grade C")
else:
    print ("redo")
```

if password != "password1" or tries < 3:
 print("you shall not pass")
else:
 print ("please enter")</pre>

Careers

- Software development
- Programing
- Software Engineering

Sequence: Completing steps in the order which they must happen

Selection: Where a choice is made in a program depending on a condition or outcome

Iteration: Act of repeating or lopping specific sections of code

Count controlled Iteration: Repeats a set number of times Condition controlled Iteration: Repeats until a condition is met or something in the program changes

SWB Year 7 – Computing – Python Basics

What is Computational thinking?

The thought processes involved in formulating a problem and its solution(s), so that a computer, human or machine can effectively carry out

How do you think computationally?

To effectively solve problems you need to....

- Decompose
- Abstract
- Algorithmic thinking
- Create algorithms

KEY TERMS

Algorithm: Steps to provide a solution to a problem, usually represented in flowcharts or pseudocode

Decompose: Breaking down a large problem into smaller sub-problems

Abstraction: Representing 'real world' problems in a computer using variables and symbols and removing unnecessary elements from the problem

Pattern Recognition: Identifying similarities.

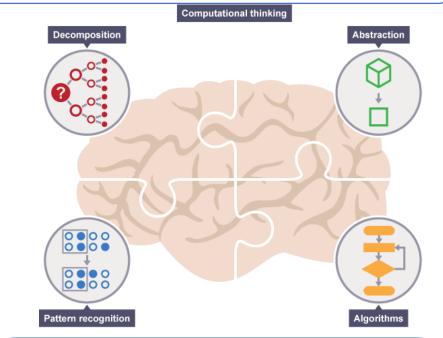
Sequence: Completing steps in the order which they must happen

Selection: Where a choice is made in a program depending on a condition or outcome

Iteration: Act of repeating or lopping specific sections of code

Careers

- Software development
- Programing

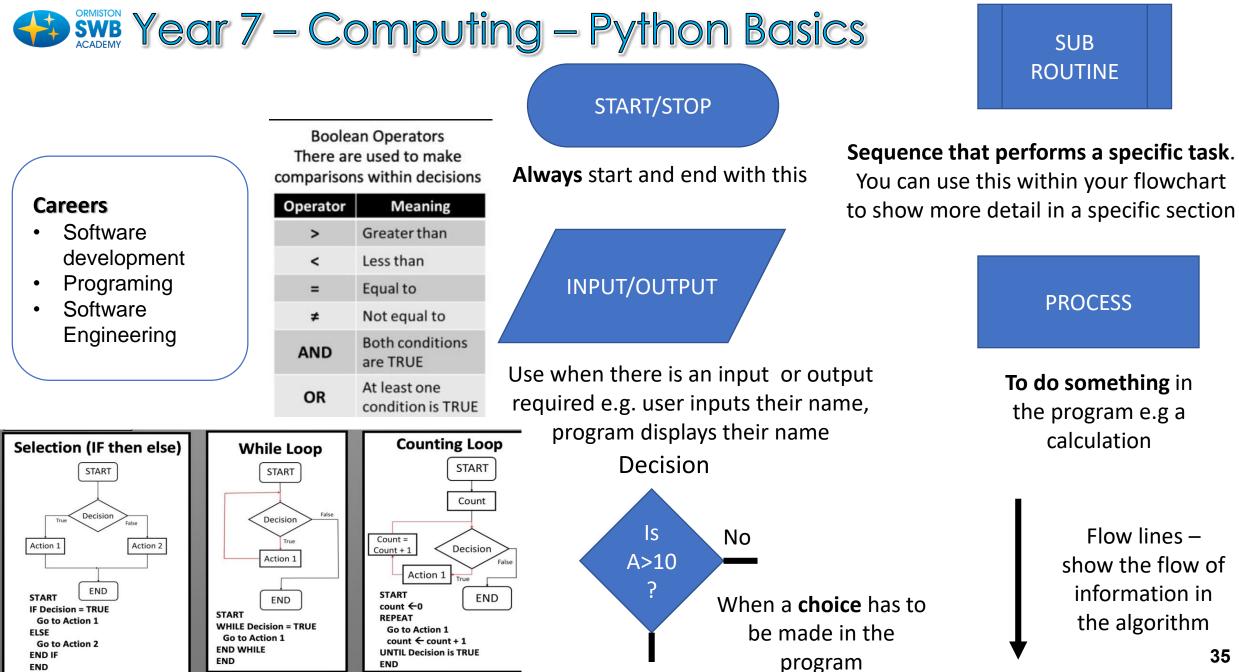


Flowcharts

Displays an algorithm in diagram form using symbols and arrows to show to flow of information

Pseudocode

A structured use of English used to define the steps needed to solve a problem.



YFS

Year 7 – Drama – Basic Drama Sk	cills- Silent Movies	Keyword	Definition
What needs to be included in a good freeze frame? :	Steps to a good performance.	Body Language	Using posture or movement to communicate how your character is feeling.
 Facial expressions Body Language Gestures Stillness 	Collaborate as a group and	Collaboration	Working together as a group to create something new
• Silence	discuss initial ideas	Communication	Exchanging information through speaking, writing, or non-verbal communication.
A good Freeze frame should freeze at a key moment of the story.	+	Concentration	Focussing on the set task.
What needs to be included in a good thought track ? :	Create a freeze frame to show the audience your key idea.	Facial Expressions	Showing your emotion through your face.
Projection Vocal tone Focus		Focus	Not laughing while you are on stage and staying in character.
A good thought track should be detailed. "I feelbecause"	Add mime to show the audience	Freeze Frame	A frozen snapshot in time showing a key moment in a story.
	your story o	Gestures	Using your hands to show the audience where to look through pointing, waving etc.
What needs to be included in a good narration? : • Projection • Vocal tone	Perform to the rest of your group	Mime	Movement without sound to show a story
 Focus Introduction of characters Introduction of setting 	to ensure your storyline is clear.	Narration	Telling the audience key moments of the story. Example: settings and characters.
A good narration should be detailed and tell the audience what has happened prior to the scene.		Projection	Using a loud volume to make sure you are heard.
			36

Year 7 Music – What Makes a Good Song?

75

SONG STRUCTURE – How a song is made up of or divided into different sections (see below) and the order in which these sections occur. To work out the structure of a song, it's helpful to analyse the LYRICS <u>and</u> listen to a recording for the song (for instrumental sections).

INTRO – often shortened to 'intro', the first section of a song which sets the mood of the song and is sometimes, but not always, an instrumental section using the song's chord pattern.

VERSES – songs normally have several verses. Verses introduce the song's theme and have the same melody but different lyrics for each verse which helps develop the song's narrative and story. Songs made up entirely of verses are called STROPHIC.

CHORUS – occurs several times within a song and contains the most memorable HOOK/RIFF. The chorus relays the message of the song and is repeated with the same melody and lyrics each time it is heard. In popular songs, the chorus is often repeated several times towards the end of the song.

MIDDLE 8/BRIDGE – a section (often 8 bars in length) that provides contrasting musical material often featuring an instrumental or vocal solo using new musical material allowing the performer to display their technical skill on their instrument or voice.





Key Words

LYRICS – The words of a song, usually consisting of VERSES and a CHORUS.

HOOK – A 'musical hook' is usually the 'catchy bit' of the song that you will remember. It is often short and used and repeated in different places throughout the piece. Hooks can be either MELODIC, RHYTHMIC or VERBAL/LYRICAL. RIFF – A repeated musical pattern often used in the introduction and instrumental breaks in a song or piece of music. Riffs can be rhythmic, melodic or lyrical, short and repeated.

MELODY – The main tune of the song often sung by the LEAD SINGER.

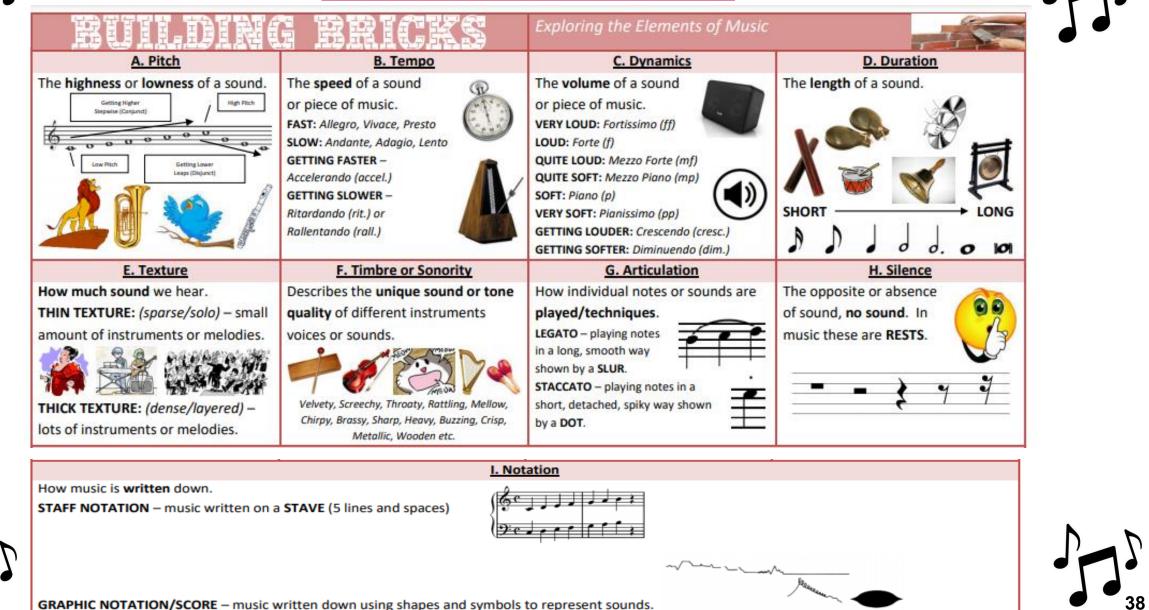
COUNTER-MELODY – An 'extra' melody often performed 'on top of' the main melody that 'fits' with it

TEXTURE – The layers that make up a song e.g., Melody, Counter-Melody, Hooks/Riffs, Chords, Accompaniment, Bass Line.





Year 7 Music – Building Bricks





Year 7 What is Design Technology?

Design and technology gives young people the skills and abilities to engage positively with the designed and made world and to harness the benefits of technology.

Tools and Equipment

Marking knife	Sand paper
Used to mark out on woods	Used to remove cut lines from wood
Tenon Hacksaw	Disk sander
Used to cut straight lines into wood	Used to create a nice finish on wood
Coping Saw	File
Used to cut curved lines into wood	Used to shape and flatten materials

Processes

Drilling A process of cutting away material to create a hole	Sanding Removing saw lines to improve the surface texture	Gluing and clamping Securely joining materials together using adhesives	Marking out Using different tools to mark out measurements onto materials

Health and safety

Machine guard Protects from flying debris	Floor marking Creates a safe zone around the machine	Safety signs Warning and advisory signs	Table Vice Hold your work steady
	- C C C C C C C C C C C C C C C C C C C	SITE SAFETY Control of State Andres of State Control of State	uger Harris

Materials

Pine wood A common wood used in construction	High impact polystyrene Cheap plastic used for most plastic products	Oak wood An expensive wood used for furniture	Neoprene A thermal plastic that helps insulate
		and the second s	

Keywords	Tools and Machines	Materials
Analysing	Metal files	Acrylic
Investigating	Pillar drill	Aluminium
Collate	Wet & dry paper	Ferrous
Develop	Vacuum former	Non-ferrous
Improve	Wire wool	Metal
Manufacture	Laser Cutter	Alloy
Evaluate	2D Design	Polyvinyl chloride (PVC)
Explain	Bench Vice	High-density
Technical	Junior Hacksaw	polyethylene ABS
Dimension	Safety ruler	Copper
Tolerance	Pliers	Mild steel
Quality check	Engraver	Polypropylene



Year 7 What is Engineering?

Engineering is the application of science and math to solve problems. Engineers figure out how things work and find practical uses for scientific discoveries.

Tools and Equipment

1

	Scribe			En	nery cloth	
	Used to mark out on metals				d to remove s and sharp edges	
	Junior Hacksaw			P	'illar Drill	
	Used to cut into metals			circu	ed to cut lar holes into naterials.	
	Engraver				File	
	Used to scratch designs into metal			ar	d to shape nd flatten naterials	
		Pro	ocesses			
Sawing Using a sharp serrated edge to part materials	Filing Removing mater to create a bett surface finish or different shape	er a	Engraving To create a po or marking ir material, using scratches	nttern n a small	Brazi Using he permanent pieces of r toget	eat to ly joining material

Health and safety

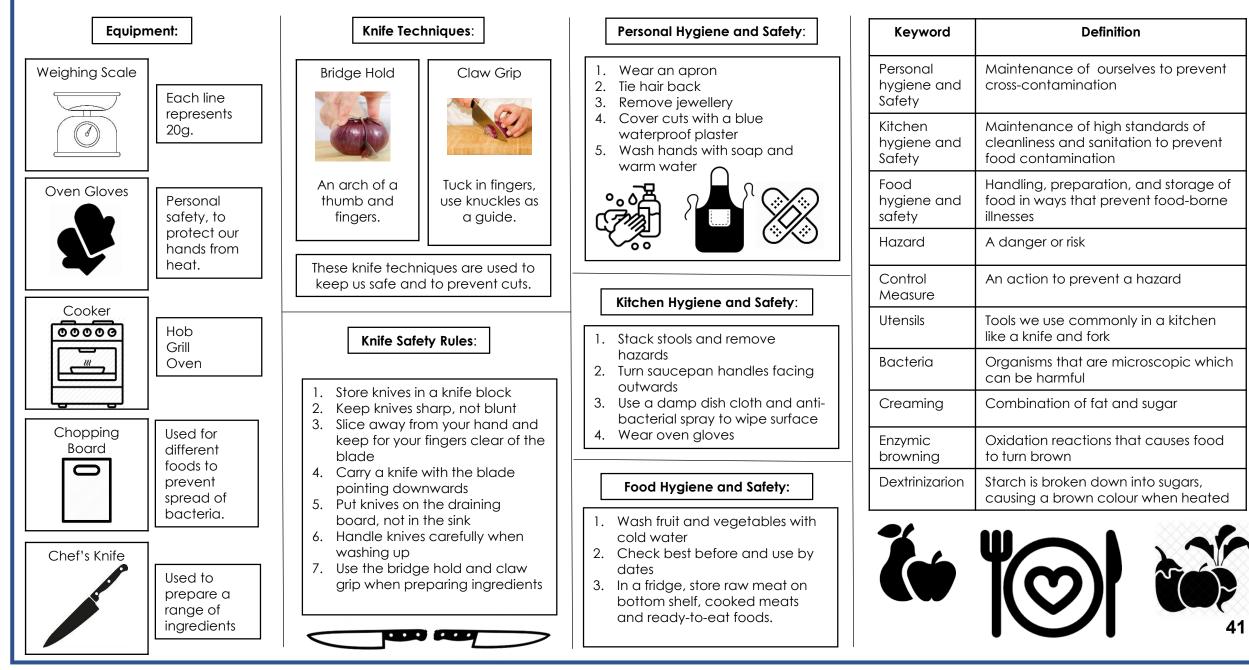
Goggle Protect your eyes	Apron Protect your clothing	Hair tie Protect your hair from entanglement	Vice Hold your work steady
		LE	

Materials

Mild steel A common material used in construction	Acrylic A recyclable type of plastic	Aluminium A light-weight metal used in drinks cans	Urea Formaldehyde A plastic used for tougher products
			.]]

Keywords	Tools and Machines	Materials
Analysing	Metal files	Acrylic
Investigating	Pillar drill	Aluminium
Collate	Wet & dry paper	Ferrous
Develop	Vacuum former	Non-ferrous
Improve	Wire wool	Metal
Manufacture	Laser Cutter	Alloy
Evaluate	2D Design	Polyvinyl chloride (PVC)
Explain	Bench Vice	High-density
Technical	Junior Hacksaw	polyethylene ABS
Dimension	Safety ruler	Copper
Tolerance	Pliers	Mild steel
Quality check	Engraver	Polypropylene
Evaluate Explain Technical Dimension Tolerance	2D Design Bench Vice Junior Hacksaw Safety ruler Pliers	Polyvinyl chloride (P) High-density polyethylene ABS Copper Mild steel







SWB Year 7 – Food Technology

Why do we need to eat a balanced diet?

1. To achieve and maintain a healthy body weight.



2. For growth and repair



3. To build a strong immune system, prevent disease and infection.



4. To provide energy.



5. To keep us warm.



How do we achieve a balanced diet? **Eight Healthy Tips:**

- 1. Base your meals on starchy foods.
- 2. Eat lots of fruit and vegetables.
- 3. Eat more fish including a portion of oily fish each week.
 - 4. Cut down on saturated fat and sugar.
- 5. Eat less salt no more than 4g a day for children.
- 6. Get active and try to be a healthy weight.
 - 7. Drink plenty of water.

8. Do not skip breakfast.







Eatwell Guide: The Eatwell Guide outlines the recommendations for eating a healthy balanced diet. The guide shows the different types of foods and drinks you should consume – and in what proportions - every day or over a week. The Eatwell Guide shows how much of what you eat overall should come from each food group

Green Section:

fish are a good source of

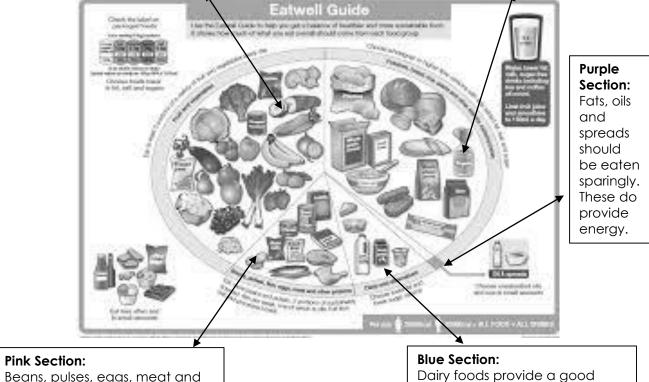
repair.

protein needed for growth,

Fruit and vegetables are a aood source of vitamins, minerals and fibre, needed to build a strong immune system.

Yellow Section:

Starchy foods are a good source of energy. Choose wholegrains for increased fibre, needed to prevent constipation



Dairy foods provide a good source of calcium and vitamin D needed for strong bones and teeth.



Year 7 French – Topic 5 – My free time

 (\mathcal{P})

Weather phrase
Quand il fait beau When the weather is nice Quand il fait mauvais When the weather is bad Quand il fait chaud When it is hot Quand il fait froid When it is cold Quand il y a du soleil When it is sunny Quand il y a du vent When it is windy Quand il neige When it snows Quand il pleut When it rains

Future time phrase
Ce soir This evening Demain Tomorrow Ce weekend This weekend



Year 7 French – Topic 6 – Food

Time phrase	Meal time	Verb	Article + noun	Connective	Verb	Quantifier	Adjective
		je mange	de la pizza pizza				
		l eat	du gâteau cake				
		nous mangeons	du poisson fish			assez	bon (pour la santé)
Normalement		we eat	du poulet chicken	et		quite	good (for your health)
Normally	pour le petit-		du riz rice	and			délicieux delicious
Souvent	déjeuner	j'aime manger	des frites fries			très	salé salty
Often	for breakfast	I like to eat	des fruits fruit	mais	c'est	very	sucré sweet
Quelquefois		je déteste manger	des légumes vegetables	but	it's		
Sometimes	pour le déjeuner	I hate to eat	des pâtes pasta			trop	
30110111103	for lunch	je bois	de la limonade lemonade	cependant	ce n'est	too	
En Angleterre		l drink	de l'eau water	however	pas		
In England	pour le diner	nous buvons	du café coffee		it isn't	un peu	dégoûtant disgusting
En France	for dinner	we drink	du chocolat chaud	car/		a little	gras fatty
In France			hot chocolate	parce que			mauvais (pour la santé)
		j'aime boire	du coca coke	because		vraiment	bad (for your health)
		I like to drink	du jus d'orange orange juice			really	
		je déteste boire I hate to drink	du thé tea				

	B. Qu'est-ce que tu voudrais manger ? What would you like to eat?					
	Course	Conditional verb	Noun	Drink	Conditional verb	Noun
	Comme entrée For a starter Comme plat principal For a main course	j'aimerais manger I would like to eat je voudrais manger	une baguette a baguette un croque-monsieur des escargots snails de la quiche quiche de la ratatouille de la salade niçoise Niçoise salad du bœuf bourguignon beef bourguignon du gratin dauphinois potato gratin du steak-frites steak and fries	et comme boisson and to drink	j'aimerais boire I would like to drink je voudrais boire I would like to	de la bière beer du champagne champagne du coca coke de l'eau water
	Comme dessert For dessert	de la crème brulée des crêpes de la dacquoise noisette hazelnut dacquoise du soufflé au chocolat chocolate souffle de la tarte au citron lemon pie	drink	de la limonade lemonade du vin wine 44		

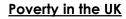
SWB Year 7 – Geography – Opportunities and challenges of the UK

The UK economy

- The UK has huge social and economic inequalities. In general, people in the south earn more money and have a higher life expectancy than those in the north.
- There are various solutions to tackling the inequalities of the north/south divide in the UK including relocating businesses in the north. For example, BBC built Media City UK in Manchester and moved many of its offices there in 2011.
- Due its distance from London and good transport links, population and economic activity in Elmbridge have both increased.
- Increased economic activity in Elmbridge has impacted the area both positively and negatively. These impacts include many younger families moving to the area and house prices increases.

A changing population

- The growing population of Birmingham has been caused by regeneration, affordable property, new career opportunities and five universities.
- An increasing population in Birmingham has created many benefits including cultural diversity.
- The Bullring in Birmingham includes 140 shops and attracts 39 million people every year.
- Deindustrialisation has caused urban decline in many UK cities.
- Urban decline in Glasgow has led to a lower life expectancy in the city, this is known as the 'Glasgow effect'.



- There are two main ways of defining poverty. This includes absolute (cannot afford basic needs) and relative (cannot afford anything above the basic needs) poverty.
- The poverty cycle means a person without a job will struggle to afford food and healthcare which would lower their health. This can lead to a lack of education and not being able to get a well-paid job
- We can reduce the number of people living in poverty in the UK through minimum wages, food banks and affordable housing. There are also many UK charities with the aim to reduce homelessness in the UK.
- The number of food parcels in the UK is increasing, but this could also mean poverty in the UK is rising.

Resources

- Fossil fuels are coal, oil and natural gas, they are made over millions of years from living things and have negative impacts on the environment
- Fossil fuels release greenhouse gases such as carbon dioxide and methane, mining and auarrying also destroys habitats
- Renewable energy means it can be used 7 again such as solar, wind and hydro-electric power and have both advantages and disadvantages for the use of each
 - The UK would benefit most from wind power as it is an island and has a lot of potential wind energy, but views on wind energy vary
 - Fracking is a very controversial method of extracting shale gas from the ground

	Keyword	Definition	
0 <u>[</u>]	Absolute poverty	When someone cannot afford basic human needs such as food and shelter	
	Deindustrialisation	Manufacturing has been exported abroad and therefore factories in the UK are not used and have closed.	
	Economic Activity	The making/providing/purchasing or selling of goods and services.	
82	Fossil Fuels	A fuel made in the ground over millions of years. They are coal, oil and natural gas.	
	Fracking	A method of pumping shale gas from the ground for fuel. It's very controversial.	
	Greenhouse gas	A gas, such as carbon dioxide, that traps heat in our atmosphere and heats up Earth.	
	Inequalities	A lack of equality with something.	
	Life expectancy	The average age someone will live to in a certain country or area.	
Ter	Minimum wage	The lowest employers are allowed to pay workers of different ages.	
	North/South Divide	The social and economic inequality between the north and south of the UK	
	Poverty cycle	People are trapped in a cycle of struggling to get jobs which means they are unable to afford food and healthcare	
	Relative poverty	When someone cannot afford anything above the basic salary needs	
	Renewable energy	An energy source that can be re-used or remade again such as solar and wind.	
	Urban decline	Urban decline is the deterioration of the inner city often caused by lack 45 of investment and maintenance	





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SWB Year 7 – Geography – Opportunities and challenges of the UK

Waste management

- Landfill is the disposal of waste material by burying it, especially as a method of filling in and reclaiming excavated pits.
- Landfill sites are bad for our environment.
- High levels of methane gas and carbon dioxide are generated by the rotting rubbish in the ground. These are greenhouse gases, which contribute greatly to the process of global warming.
- Toxic substances end up in landfills, which leach into the earth and aroundwater over time.
- Recycling is one way we can reduce the amount of waste going to landfill.
- Recycling materials saves a lot of energy as something new does not need to be made.
- Recycling also creates jobs for people, in the UK alone 50,000 people work in the recyclina industry.
- Recycling helps protect wildlife. In the process of taking resources from the earth, we often disrupt and damage habitats.

Pollution

- Air pollution occurs in the UK. It is caused by many things such as our use of cars.
- Air pollution has many negative impacts on our economy, the environment and people.
- Pollution can cause breathing problems for people.
- The release of greenhouse gases trap heat in our atmosphere and increase the temperature which contributes to global warming.
- We can reduce air pollution by using electric vehicles, encouraging the use of public transport and cyclina or walkina.
- Light pollution is when there is too much artificial light in an area.
- Light pollution can alter humans sleeping patterns and cause headaches.

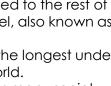


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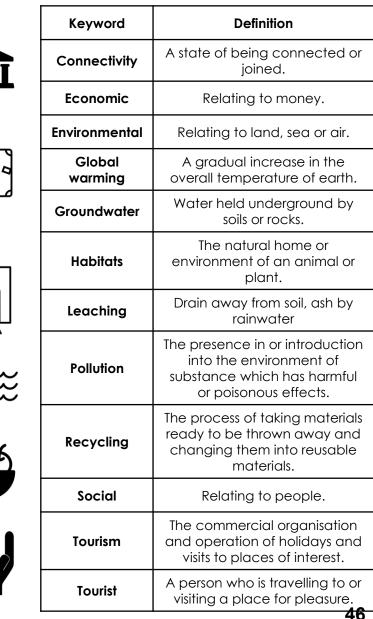
Tourism

- The UK has many opportunities for tourism and there are various reasons people may travel including:
- To see and experience new places.
- Education.
- Celebrating a birthday.
- A break from work.
- Creating new memories with family and friends.

Connectivity



- The UK is connected to the rest of Europe with the Eurotunnel, also known as the channel tunnel.
- The Eurotunnel is the longest undersea channel in the world.
- The Eurotunnel has many social, economic and environmental benefits including:
 - Since 1994 the equivalent of six times the population of the UK has travelled through the tunnel.
 - £12 billion of fresh fruit and vegetables are carried through the tunnel every year.
- 13,000 engineers, technicians and workers helped construct the tunnel.
- 4.9 million cubic metres of chalk marl and shale were removed during construction and used to create a nature reserve in Kent.















SWB Year 7 – History – The Tutors

Who killed the princes in the tower?



The battle for the throne

VS

The War of the Roses

In 1459 there was a battle for the throne between two rival factions. The <u>House of</u> <u>Lancaster</u> had the red rose and were supporters of the King, led by his wife Margaret. The other side was the <u>House of</u> <u>York</u> who had the **white rose** and was led by Richard Duke of York.

House of Lancaster

Henry VI was the king of England and the head of the House of Lancaster. Henry hated the idea of war he preferred books and churches. This caused him to have a mental breakdown in 1453.



<u>The princes in the tower</u>

After Edward IV death his son was next in line for the throne. But both disappeared before one could be crowned.

House of York

A wealthy nobleman called Richard Duke of York helped ruled after Henry's breakdown. He would lead a Yorkist rebellion for the throne. Known as the start of the War of the Roses.

Richard III

Richard was the uncle to the boys and would be next in line to the throne if they boys were murdered.

<u>Henry Tudor</u>

Henry Tudor felt he had a claim to the throne because his bloodline led back to the House of Lancaster.

Who would be king?

The Battle of Bosworth

Henry Tudor fought Richard III at the Battle of Bosworth. Richard charged at Henry but fell off his horse. He became surrounded by Henry's men and was killed. Henry Tudor won the Battle.



The Tudors

Henry Tudor's win at the battle meant that the Tudor dynasty was now on the throne. Henry created the Tudor rose. A combination of the Lancaster and York rose to symbolise the end of the War of the Roses.



Outbreak of the war

Margaret hated the powerful Duke of York and declared him a traitor. This is when the war broke out between the two sides. There was many battles which resulted in the death of Richard and his son **Edward IV** becoming leader of the Yorkist's. Edward was crowned King of England and Henry fled.

1453	1459	1461	1483	1485	1485		
Henry VI has mental breakdown	The War of the Roses began		The princes went missing	The battle of Bosworth	Henry Tudor became King	The start of Tudor rule	47



Year 7 – History – The Tutors

Henry VII

Henry VII (Tudor) became King after winning the Battle of Bosworth. However, he had a lot to do to make sure the Tudor dynasty would continue for the next 100 or so years.

Was Henry VII a gangster?

Divorced

Catherine of Aragon

Failed to provide a

male heir

- He banned private armies
- He forced the rich to give him money.
- He forced the poor to give him money. •
- Henry threatened to go to war with • France if they didn't pay.
- He made sure that he had the best • cannons

Henry VIII

The son of Henry VII, Henry VIII became King in 1509 when his older brother died unexpectedly. Meaning he was next in line for the throne after his father's death. He is most famous for having 6 wives in his desperation for a son.



Was Henry VIII a player?



Her mother was Catherine of Aragon

Mary I

- Mary was a Catholic
- She became queen after her brother Edward died at a young age
- Mary did not have any children/heirs
- Due to her harsh treatment of Protestants she was called 'Bloody Mary'



Catholic	A main branch of Christianity led from Rome by the Pope
Protestant	A form of Christianity in opposition to Catholicism
Lancastrian	A supporter of the king during the War of the Roses
Yorkist	A supporter of Richard Duke of York during the War of the Roses
Tudor	A royal dynasty that ruled England from 1485 to 1603
Protector	A nobleman ruling on behalf of the King until they become of age
dynasty	A line of hereditary rulers of a country
Heretic	Someone with beliefs that question or contradict the established church
Corruption	The misuse of power for dishonest purposes, often wealth
Reformation	A movement to reform the Christian church
Monasteries	A building occupied by monks
Dissolution	An act to end or dismiss
Heir	A person next in the line for the throne through bloodline
Rebellion	An act of armed resistance to an established government or leader.
Taxes	The government demand money from the people.
Act of Supremacy	A law that created the Church of England
Latin	The language of Ancient Rome
The Six Articles	Set out the religious beliefs of the Church of England.

Elizabeth I

- Her mother was Anne Boleyn
- Elizabeth was a Protestant •
- Some believed she was unfit to been queen because her mother was not Henry VIII's first wife
- Elizabeth never married or had any children – her nickname was 'the Virgin Queen'
- She had a major war with Spain





		Rebellio
		Taxes
Survived		Act of Supremo
Katherine Parr		

Beheaded

Anne Boleyn

Executed for treason

Died

Jane Seymour

Died after giving Henry his only male heir

Marriage was annulled after only 4 months.

Divorced

Anne of Cleaves

Beheaded

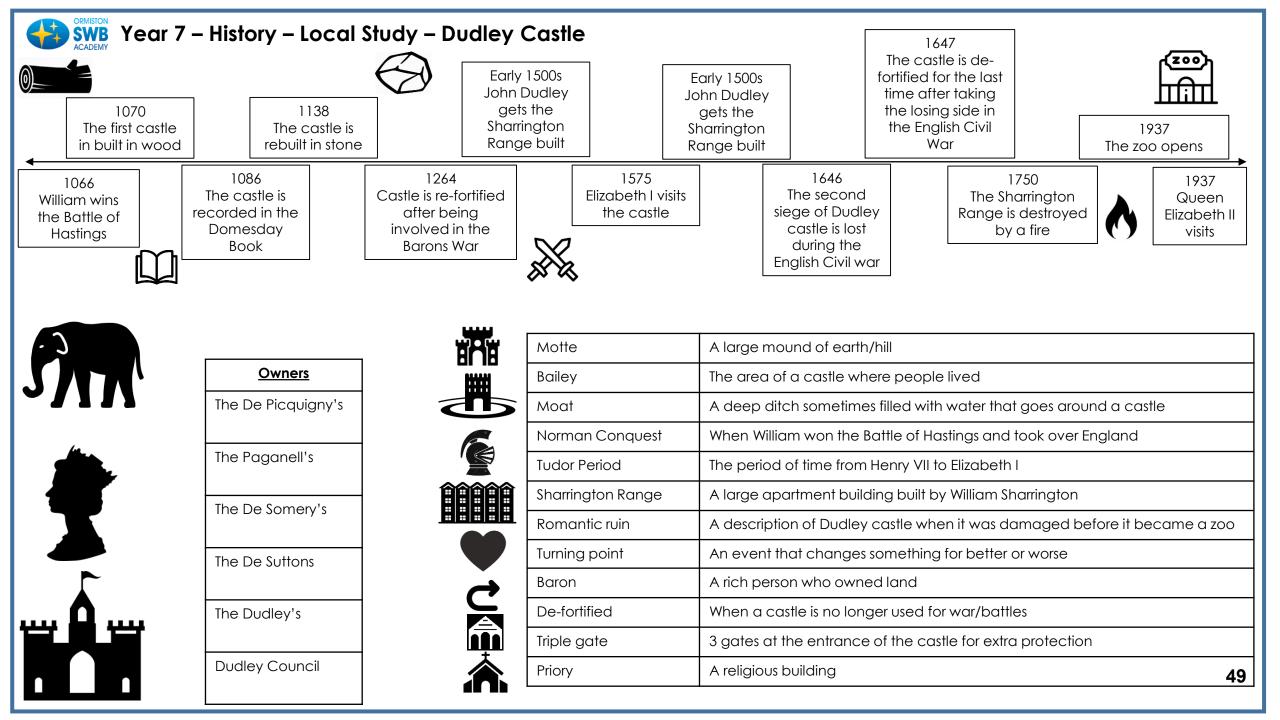
Katherine Howard

Had an affair

Sur

Outlived Henry

who died in 1548





Term 2: How important are placed of worship in contemporary Voor 7 DDE

	<u>ear 7 – FRE – Term 3. How important dre places f</u>	or worship in contemporary
Key WordsFaith: complete trust or confidence in someone or something.Gurdwara: the place where Sikhs come together for congregational worship.Idolatry: the worship of a physical object as a god.Imam: someone who leads Muslim worshippers in prayer.Karah parshad: a sweet food offered to all visitors of the gurdwara.Khanda: symbol of Sikhism.Langar: free kitchen in a gurdwara.Madrasah: A school within the mosque where reading the Qur'an is taught.Minaret: a slender tower, typically part of a mosque, with a balcony from which a muezzin calls Muslims to prayer.Minbar: a pulpit in a mosque where the imam (leader of prayers) stands to deliver sermons.Muezzin: a man who calls Muslims to prayer from the minaret of a mosque.Nishan Sahib: a Sikh flag which hangs outside a gurdwara.Vegetarian : someone who does not eat meat.Waheguru: a word used in Sikhism to refer to God.Wudu: ritual washing to be performed in preparation for prayer and worship in Islam.Baptism: the sacrament through which people become members of the Church. It involves the use of water as a symbol of the washing away of sin.Church: 1) The People of God/Body of Christ, among whom Christ is believed to be present and active.2) Members of a particular Christian denomination/tradition, e.g. Roman Catholic, Methodist.3) A building in which Christians worship.Food banks: Places in local commu	 Community hais or even each other's houses. Others feel that such buildings are necessary to reflect their beliefs or the greatness of God, and to give thanks and praise. With declining numbers of people attending places of worship, is it time to start thinking about alternatives? Some religious communities are already finding different ways to gather, without the need for a special building to worship. How did the Coronavirus pandemic affect the use of holy buildings? The lengthy period of lockdown and the necessity for people to stay at home or isolate, was very difficult for everyone. Many religious people took part in outdoor praise and worship during that time, for example noticing and being thankful for God's creation, and noticing the trees, plants, birds, and insects around them. For many people of all faith groups, the question they asked during the pandemic was 'Do we need a building to worship in, or can we worship elsewhere? Places of worship set up online services so that people could still meet in community with one another. Many people then questioned whether holy buildings could be better used if people were able to worship at home. 	 Is the Mosque still a significant part of a Muslim's life? The Mosque is at the centre of an Islamic community, being a place of prayer and study. Friday is the most important day of the week at any Mosque, this is the day when the main service is held. The Prophet Muhammad (PBUH) said that <u>any</u> clean place could be used for worship. A mosque can be highly decorated or very simple and plain. Most have a dome to represent the universe. Mosques have a minaret, which is a tall tower from where a male official will call the people to prayer. The man who does this is called a muezzin. Mosques are often beautifully decorated with tiles and patterns. There are no statues, in order to avoid idolatry. There are no seats in a mosque but rich carpets where prayer mats are laid. Some mosques will have a minbar (pulpit) from which the Imam (a respected person) will lead prayers and preach-especially on a Friday. Before prayer, a Muslim must wash (Wudu). They must face the direction of Mecca, birth place of Muhammad (PBUH), when they pray. Apart from prayer, a mosque is used as a Midrash (a mosque school) where Muslims learn the general teachings of Islam. They will learn to recite the Qur'an and join with other Muslims in their community to talk, offer support and discuss any problems they might have.
	th of which may worship in a Church.	
 What is the purpose of holy buildings? A place to worship God as a community A place to celebrate life's big events, such as births, weddings and funerals. 	gurdwara, representing the four points of the compass, showing that anyone from anywhere and any - Everyone sits on the floor to symbolise that - The	How important is the langar for the community today?

- The poorest in society can at times of their greatest no
 A place for the community
 A place where works of ch

 - carried out
- a place of healing
- As a place of communica

holy buildings?	How important is the gurdwara to Sikhs?	How important is the langar for the community today?			
d as a community fe's big events, is and funerals. can turn to them st need. unity to gather f charity are	 There are four doors in every gurdwara, representing the four points of the compass, showing that anyone from anywhere and any religion is welcome. Outside the gurdwara is a flag called the Nishan Sahib. It is triangular and orange in colour. It has a symbol on it called the Khanda There is always a light left on at the gurdwara, again to show everyone is welcome. Men and women sit separately and an equal distance from the Guru Granth Sahib to show their equality. As a mark of respect, Sikhs point their feet away from the Guru Granth Sahib (holy book) 	 The langar is a special community kitchen connected to the gurdwara. It provides a free, simple meal for anyone who would like one – whatever their religion or position in society. The meal is always vegetarian so that most visitors will be able to eat and share their hospitality. There is also a room in the gurdwara where members of the community gather to carry out charity work for the local area or world wide aid. A blessed sweet food is served to all visitors. It is called karah parshad. It should be received in cupped hands while sitting as it is considered as a gift from Waheguru. The karah parshad is made from equal amounts of butter, sugar and flour which symbolises equality. It is also served in equal portions. In times of emergency, Sikhs have distributed the langar to those who have needed it the most. For example, during the Coronavirus pandemic, many gurdwaras used their langar to the served to find witchens to feed NHS workers and those most in need. 			