

Year 7 Spring 1 - Knowledge Organiser



Just reading through your books or a knowledge organiser is not always an effective way to revise. Instead, you should do something with the information. Choose an example of the revision methods on the pages or see if you can come up with another method.

The knowledge is evolutionary not revolutionary. Approximately half the knowledge is new and half helps you revise. Many of the activities are changing. We hope you enjoy them.

In SKL this term we will be continuing with the GrangeEnders book during tutor time and in SKL lessons we will be looking at relationships. This will involve exploring the difference between banter and bullying, positive friendships and friendships online. We will also start to look at romantic relationships, boundaries and selfworth (how you feel about yourself). In the second half of the term we will be looking at Health and Puberty which will involve looking at healthy routines, influences on health, puberty, unwanted contact, and FGM (female genital mutilation)

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Idea

Make some flash cards or PowerPoint slides. Make top trumps.



Explanation

test yourself.

Make a poster.

Turn your notes into posters with lots of colour and illustrations. Summarising the key information in a different way is an effective way of learning and your brain will remember the colours more easily. Do the title last!

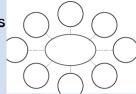
Write down key words, auotation,

definition or answer. Use them to

questions or equations on one side of

a card. On the other side, write the

Draw spider diagrams, or for the adventurous mind maps.



Write the topic/keyword in the centre of your page. Add everything you know in subtopics. Then explore each subtopic in turn adding more ideas. Colour/pictures help you recall.

Write a song or a rap.



Are there songs that stick your head. Change the lyrics to the information you want to learn. If you record and listen back it will be a more fun way of revising.



Plan a lesson

If you teach something to someone else the chance of recalling it is really high. This has been found to be the most effective way of learning something for the long term.

Write a story or comic strip.



Take the keywords or facts that you need to learn and turn them into a story or a cartoon. The sillier the story the more likely you are to remember it.

Write a quiz. Design a game.



Playing is how we learn as young children and it is a very powerful way of learning throughout life. If we enjoy the game it helps us remember.

PRE-READING STRATEGIES



Starter activity: What do you already know?

We will be reading an article from the BBC called "Footballers have 'worryingly poor' teeth."

Discuss the following auestions.

- What things can you do to look after your teeth?
- Have you had a tooth ache before? What happened/ what did you do?
- · What things can you do before performing a physical activity to help prevent injury?

PRE-READING STRATEGIES



Stand up if you agree with the statement.

Sit down if you disagree.

Footballers have 'worryingly poor' teeth

By James Gallagher Health editor, BBC News website

3 November 2015



Professional footballers have worryingly poor teeth that could be affecting their performance on the pitch, say dentists.

- On average, footballers have better teeth and dental health than the general population.
- 2. You only need to go to the dentist when you have a tooth ache. Regular check-ups aren't important.
- 3. Dental health is an important part of your overall health.
 - 4. A tooth ache can affect how well a footballer plays.
 - 5. Football teams should employ dentists as part of their medical team.
 - 6. Dental problems can make other injuries (i.e. a pulled muscle in your leg) worse.
- 7. Sports/ health drinks often contain lots of sugar and are bad for your teeth.

ACTIVE READING

Let's read

 Ask questions, make connections, discuss, re-read, decide on key ideas

Click on the link!

https://www.bbc.co.uk/news/health-34699583

Bullet point key words/ideas/info

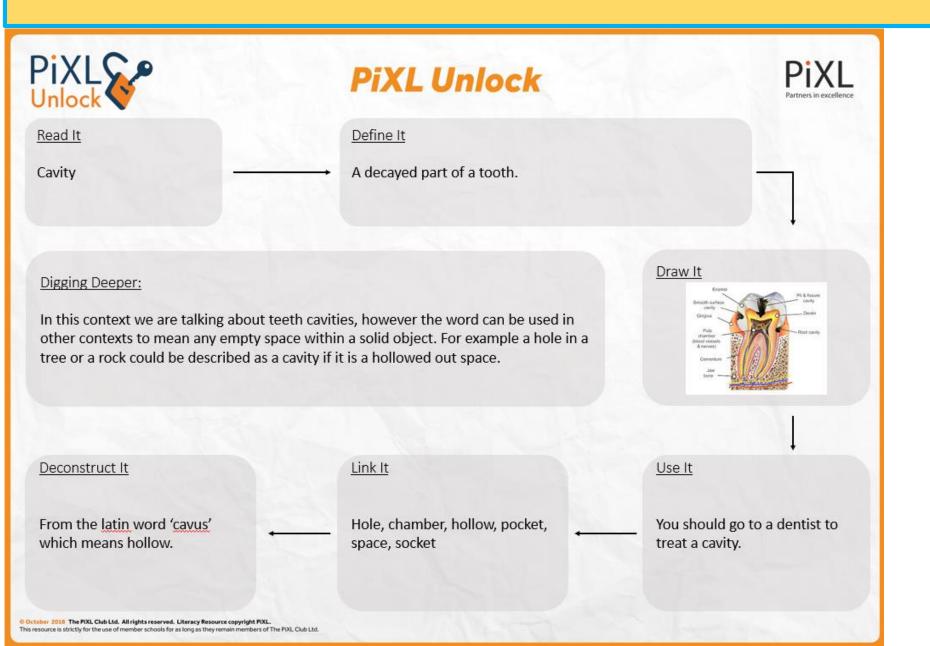


Some words change their meaning depending on the context in which we use them.

Read the sentences below and look at the blue words in bold. What do they mean in these sentences?

- "Professional footballers have worryingly poor teeth that could be affecting their performance on the pitch."
- 2. "Previous research has shown "striking" levels of bad teeth in athletes.
- 3. "These are individuals who otherwise invest so much in themselves."





Related terms in the article:

Tooth decay- rot of the tooth

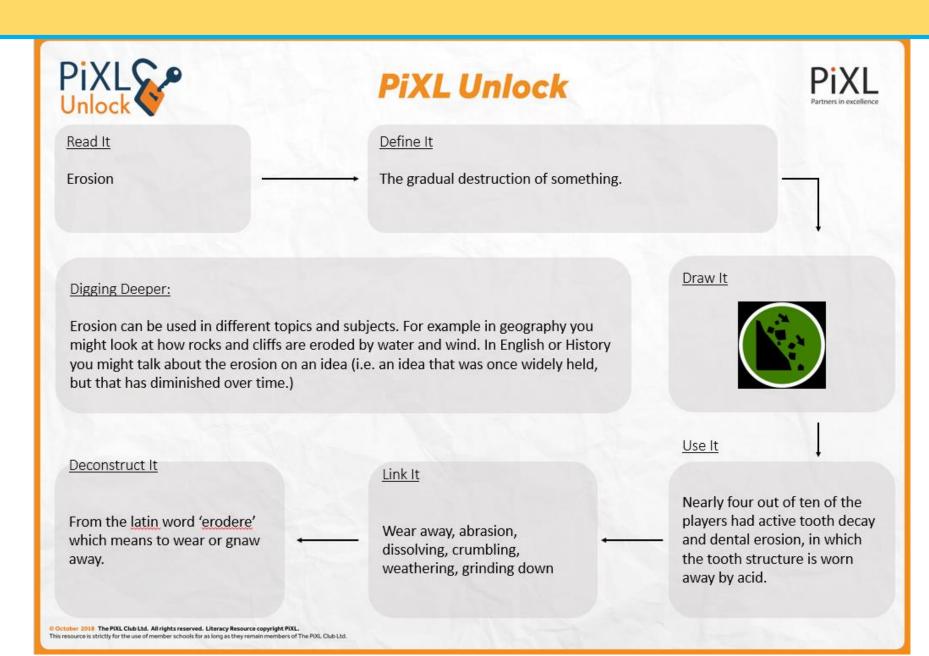
Dental erosion (see next slide)

Abscess- a build up of pus caused by infection

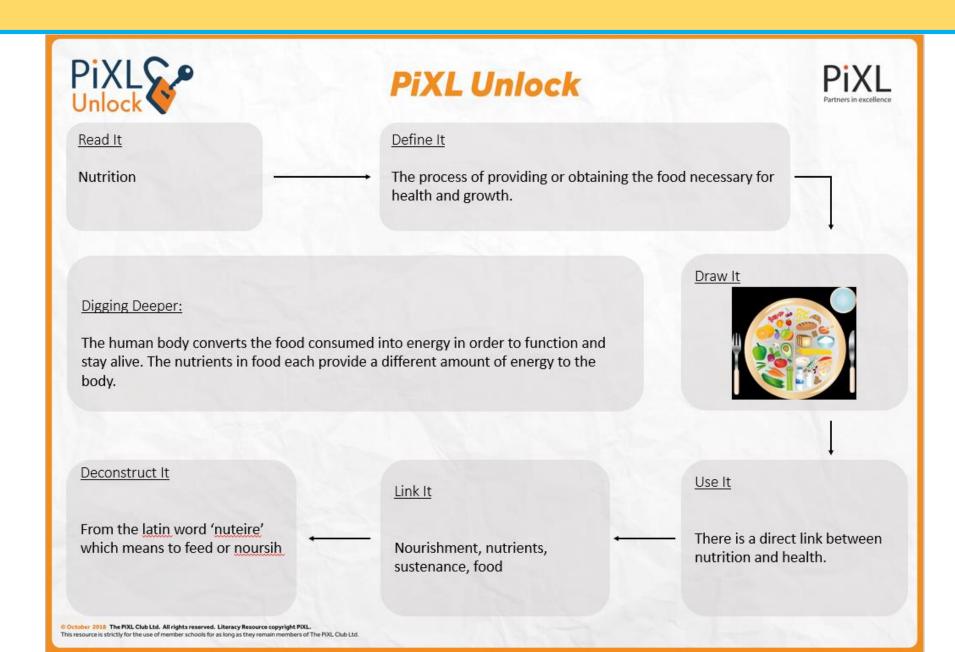
Oral health- relating to the mouth

Dental health- relating to the teeth









POST READING: HAVE YOU CHANGED YOUR MIND?



Stand up if you agree with the statement.

Sit down if you disagree.

Footballers have 'worryingly poor' teeth

By James Gallagher Health editor, BBC News website

3 November 2015

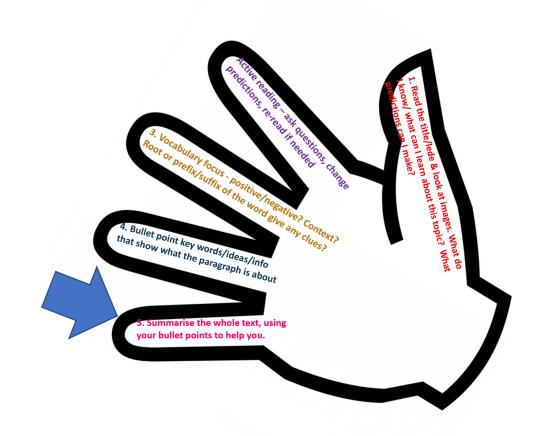


Professional footballers have worryingly poor teeth that could be affecting their performance on the pitch, say dentists.

- On average, footballers have better teeth and dental health than the general population.
- 2. You only need to go to the dentist when you have a tooth ache. Regular check-ups aren't important.
- 3. Dental health is an important part of your overall health.
 - 4. A tooth ache can affect how well a footballer plays.
 - 5. Football teams should employ dentists as part of their medical team.
 - 6. Dental problems can make other injuries (i.e. a pulled muscle in your leg) worse.
- 7. Sports/ health drinks often contain lots of sugar and are bad for your teeth.

AFTER READING- APPLYING AND SUMMARISING KNOWLEDGE

 Write down 5 key things you have learnt from this article.



QUIZ- Answer the following questions. Write your answers in full sentences.

1.	How do	the	teeth	of	footballers	compare	to	the	general	population?	

- 2. Why were the researchers surprised by what they found?
- 3. What severe affect can poor dental health have on players?
- 4. Name two other ways players might be affected by their dental health?
- 5. Why are footballers and athletes more at risk of poor dental health? Name two factors the article suggests.
- 6. What are football clubs doing to improve the dental health of players?
- 7. How do footballers teeth compare to other athletes?

Media	The substance that an artist use to make art
Materials	The same as media but can also refer to the basis of the art work eg, canvas, paper, clay
Techniques	The method used to complete the art work, can be generic such as painting or more focus such as blending
Processes	The method used to create artwork that usually follows a range of steps rather than just one skill

	\	one skill					
(3))						
	Colour Theory						
	Primary= RED, YELLOW, BLUE	Complimentary; Colours opposite on the colour wheel					
	Secondary= Primary+Primary	Harmonious; Colours next to each other on the wheel					
	Tertiary= Secondary+Prima ry	Monochromatic; shades, tones & tints of one colour					
	Shades – add black	Hue – the pigment					
	Tint – add white	Warm; RED, ORANGE YELLOW. Cold; BLUE, GREEN, PURPLE					



Pencil		The basic tool for drawing, can be used for linear work or for shading
Biro		Drawings can be completed in biro and shaded using hatching or cross hatching
Pastel (chalk/oil)		Oil and chalk pastels can be used to blend colours smoothly, chalk pastels give a lighter effect
Coloured pencil		Coloured pencil can be layered to blend colours, some are water soluble
Acrylic paint		A thick heavy paint that can be used smoothly or to create texture
Watercolour		A solid or liquid paint that is to be used watered down and layered
Gouache		A pure pigment paint that can be used like watercolours or more thickly for an opaque effect
Pressprint		A polystyrene sheet that can be drawn into to print white lines – can be used as more than 1 layer
Monoprint		Where ink is transferred onto paper by drawing over a prepared surface
Collograph	9/49/	A printing plate constructed of collaged materials
Card construction		Sculptures created by building up layers of card or fitting together
Wire		Thick or thin wire manipulated to create 2d or 3d forms
Clay		A soft substance used for sculpting, when fired can be glazed to create shiny colourful surfaces
Batik		A fabric technique using hot wax to resist coloured inks
Silk painting		Fabric inks painted onto silk, Gutta can be used as an outliner to prevent colours mixing

Methods of Recording Observational drawing First hand observation

Observational drawing	Drawing from looking at images or objects
First hand observation	Drawing directly from looking at objects in front of you
Second hand observation	Drawing from looking at images of objects
Photographs	Using a camera or smartphone to record images will class as first hand observation
Sketches	Basic sketches and doodles can act as a starting point for development

Stages of Drawing

Basic shapes

Accurate shapes

Detail

Shade



Tonal shade

Produce a range of tones by varying the pressure and layering — consider using softer pencils for darker shades

Alternative shade techniques



Cross hatching

Stippling 4









Scribble



Pattern

Annotation

Describes writing notes, using images and explaining your thoughts to show the development of your work.

Step 1 - Describe

What is this an image of?
What have you done here?
What was this stage of the project for?

Step 2 - Explain

How was this work made?
How did you produce
particular effects? How did
you decide on the
composition?

Step 3 - Reflect

Why did you use these specific methods? Why do particular parts work better than others? Why might you do things differently next time?

Formal Elements of Art

LINE	the path left by a moving point, e.g. a pencil or a brush dipped in paint. It can take many forms. e.g. horizontal, diagonal or curved.
TONE	means the lightness or darkness of something. This could be a <u>shade</u> or how <u>dark</u> or <u>light</u> a <u>colour</u> appears
TEXTURE	the surface quality of something, the way something feels or looks like it feels. There are two types : <u>Actual</u> and <u>Visual</u>
SHAPE	an area enclosed by a <u>line</u> . It could be just an outline or it could be <u>shaded</u> in.
PATTERN	a design that is created by repeating <u>lines</u> , <u>shapes</u> , <u>tones</u> or <u>colours</u> . can be <u>manmade</u> , like a <u>design</u> on fabric, or <u>natural</u> , such as the markings on animal fur.
COLOUR	There are 2 types including Primary and Secondary . By mixing any two <u>Primary</u> together we get a <u>Secondary</u>

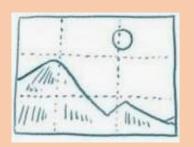
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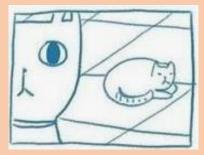
A Rough	A Visual/ Maquette	Final Piece
A basic sketch of a final idea	A small image or model created in selected materials	An image or sculpture pulling all preparatory work together

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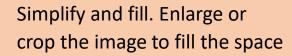
Composition Layouts

Rule of thirds — Place focal objects at 1/3 or 2/3 of the image horizontally or vertically. Not in the middle

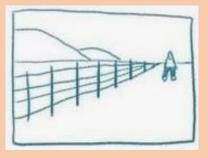




Balance elements. If there is an emphasis on one side balance it out with smaller objects on the other







Use lines. Lines will draw the viewer in, they don't have to be straight, consider S or C



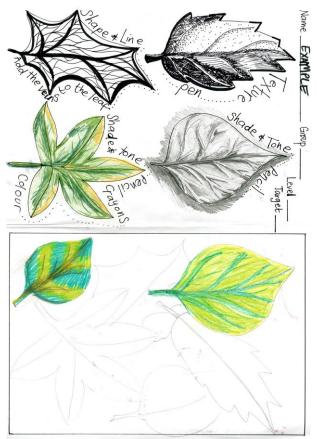
Art Key Stage 3



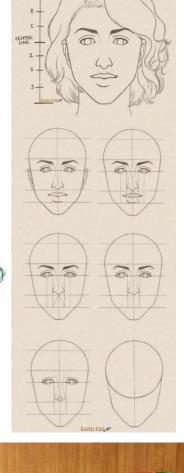
The Green Man

Year 7









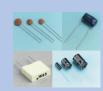


Year 7 Electronics – Spring 1 half term

Electronics

Basic electronics comprises the minimal "electronics components" that make up a part of everyday electronics equipment. These electronic components include resistors, transistors, capacitors, diodes, inductors and transformers. Powered by a battery, they are designed to work under certain physics laws and principles

Basic components and their function



A <u>capacitor</u> is a component that can store electrical charge (electricity). In many ways it is like a rechargeable battery. A good way to imagine a capacitor is as a bucket, where the size of base of the bucket is equivalent to the capacitance (C) of the capacitor and the height of the bucket is equal to its voltage rating (V). The amount the bucket can hold is equal to the size of its base multiplied by its height, as shown by the shaded area.



A <u>resistor</u> is a device that opposes (or limits) the flow of electrical current in a circuit. The bigger the value of a resistor the more it opposes (or resists) the current flow.



<u>Integrated Circuit</u> The top picture is an IC holder placed into the PCB, below are ICs. The notch on the holder should line up with the notch on the PCB

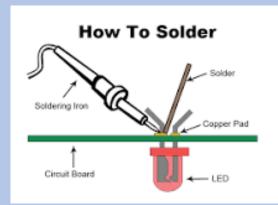


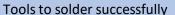
<u>Printed circuit board (PCB)</u>. Components are soldered onto this and joined by a copper strip to create the circuit.



<u>Batteries</u> provide power to the circuit. Can you think of a renewable energy source?

Making a speaker This is the finished circuit that you will make and test.





Soldering iron: Heats solder to attach components to PCB

Wire strippers: Strips the plastic coating from electrical

Wire to make soldering easier

Solder: lead substitute, when melted acts like glue to join components to the PCB

Soldering is a process in which two or more metal items are joined together by melting and then flowing a filler metal into the joint—the filler metal having a relatively low melting point. Soldering is used to form a permanent connection between electronic components

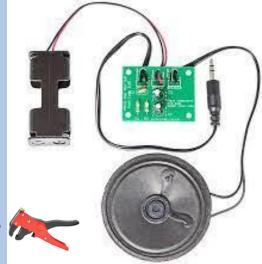
Watch these videos on how to solder safely

https://www.youtube.com/watch?v=gW-7yeUW7-k

Making your speaker box

Use PVA wood glue to stick all you box pieces together apart from the bottom piece. When the glue has dried, use the sand paper and sanding boards to smooth the edges. Use the fret saw to cut the base of your speaker box

Always be safe I the workshop!.







Nutrients

Macro nutrients - Needed in <u>large</u> quantities in the diet

- 1. Protein
- 2. Fats
- 3. Carbohydrates

Micro nutrients - needed in small quantities in the diet

- 1. Vitamins
- 2. Minerals

<u>Carbohydrates</u>

There are two types of carbohydrates, complex and simple. They are also known as starchy (complex) and sugary (simple).

Food sources

<u>Starchy</u> - bread, rice, pasta, potatoes, bagels, oats, flour, cereal and some vegetables.

<u>Simple</u> - fruit, some vegetables, chocolate, sweets, biscuits, cakes

Function

Starchy/complex carbohydrates are digested slowly and provide long term energy.

Sugary/simple carbohydrates are digested slowly and provide short term energy

short term energy

Example exam questions:

Explain three causes of obesity (3 marks)

What is the function of sugary and starchy carbohydrates (2 marks)

Why is protein especially important for children? (2 marks)

What are the functions of fat? (3 marks)
List 5 food sources of plant based protein (5 marks)

Nutrition

Protein

Food sources

<u>Animal</u> -beef, pork, lamb, poultry (chicken, turkey, duck), fish, cheese, butter milk <u>Plant</u> - beans, chickpeas, lentils, peas, nuts, seeds, found in smaller amounts in some vegetables such as spinach and broccoli.

Function

Grown and repair of muscles and cells

Fat

There are two types of fat, saturated and non saturated.

Saturated fats are classed as 'unhealthy fats', they are solid at room temperature and are generally animal based.

Unsaturated fats are classed as 'healthier fats' and are liquid or soft at room temperature and come from plant based sources.

Food sources

<u>Animal</u> -beef, chicken skin, processed meat (sausages, salami, pepperoni), bacon, butter, cheese, full fat milk

<u>Plant</u> - vegetable oils (sunflower, olive, rapeseed), avocado, nuts, seeds

Function

Keeps us warm (provides insulation), secondary source of energy, protects vital organs and bones.







Dietary Related Health Problems

Too much sugar can cause:

- Weight gain (which can lead to obesity)
- 2. Tooth decay
- Diabetes (your body cannot produce enough/any insulin to regulate your blood sugar levels)

Too much salt can cause:

1. High blood pressure (this can increase your risk of heart disease and a stroke).

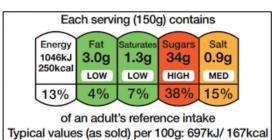
Too much <u>saturated fat</u> can cause:

- 1. Weight gain (which can lead to obesity)
- 2. High cholesterol (this narrows arteries making it harder for the blood to travel around, putting you at risk of heart disease).

Reference Intake

You'll see reference intakes referred to on food labels. They show you the maximum amount of calories and nutrients you should eat in a day. Most packaging has a colour coded label on the front to help you make healthy choices.

Reference in take amounts: Kcal (calories) - 2000 Total Fat -70g Saturated fat - 20g Sugar - 90g Salt - less that 6g



Red means HIGH in that nutrient Amber means MEDIUM in that nutrient Green means LOW in that nutrient

Energy

Energy is measured in CALORIES.

Foods that are energy dense have a lot of calories in them. For example fatty foods like bacon, cheese and cream.

Fruits and vegetables have a low energy density because they are high in water.

The three macro nutrients are protein, carbohydrates and fats. Fat contains the most energy per gram.

Carbohydrates - 4 calories per gram.

Protein - 4 calories per gram.

Fat - 9 calories per gram.

Energy density - this is when your energy is balanced. This means you are consuming the same amount of energy (calories) as you are burning off. If energy is not balanced, this could cause either weight loss or weight gain.

Exam style questions.

- 1. What are the three problems linked to having a high sugar diet? (3 marks)
- 2. Which fat is healthier, saturated or unsaturated? (1 mark)
- 3. Why should we reduce our sugar consumption? (2 marks)
- 4. Which macro nutrient is the most energy dense? (1 mark)
- 5. What does energy balance mean? (2 marks)
- 6. Which type of foods have a low energy density and why? (3 marks)



Jam tarts

Ingredients

Pastry
30g margarine
50g Flour
1tbsp water

<u>Filling</u> 6tps jam

Equipment

Bowl
wooden spoon
Jug
Weighing scales
Cup cake tray
Cupcake cases
Rolling pin

Cookie cutter

<u>Skills</u>

Rubbing in method Pastry making Rolling out



1. Pre-heat the oven to 180°C. Rub the butter and flour together until it resembles breadcrumbs



4. Use the cookie cutter to cut out 6 pastry cases.



2. Add the tbsp of water and mix. Use your hands to make the pastry into a ball.



5. Place the pastry cases into the cupcake cases in a tray.



3. Place on a floured surface and roll out evenly to the thickness of a £1 coin.



6. Add a tsp. of jam to each case and bake in the oven for 15 minutes.

<u>Pancakes</u>

Ingredients
55g plain flour
Pinch of salt
1 egg
100ml milk
25g butter

Equipment Bowl Jug Frying pan Spoon Spatula

Skills
Weighing
Measuring
Mixing
Frying

How many different toppings can you think of to go with pancakes?



1. Weigh out the flour in a jug. add the salt and the egg.



2 Mix until its all combined.



3.. Gradually add the milk and keep mixing.

Serve hot with your

favourite

toppings \odot



4. Once its smooth start heating pan with a little butter. Add a spoon of mixture and allow to cook.



5. When its golden, flip over and cook on the other side.

Quesadillas

<u>Ingredients</u>

120g cheese

1 chicken breast

optional vegetables:

- pepper
- Spring onion
- Sweetcorn
- Spinach

These must be cut very small.

2 tortilla wraps

Equipment

Chopping board

Knife

Grater

Pan

Skills

Grating

Chopping

Frying

Adapting a recipe



1. Chop the chicken into small bite-sized pieces and grate the cheese.



2. Lightly fry the chicken and vegetables until cooked through.



3. Sprinkle 1/4 the cheese over half of the wrap followed by $\frac{1}{2}$ the chicken.



4. Cover the chicken with another $\frac{1}{4}$ of the grated cheese.



5. Fold in half and place in the frying pan.



6. Fry in a lightly oiled pan until golden on each side.

Repeat with the remining wrap, cheese and chicken.



Muscular Endurance

Muscular Endurance

'The ability of the muscles to work efficiently for long periods of time'

Watch this for information on components of fitness!



Muscular Endurance requires your muscles to work for long periods, but they also need to work without getting tired. Below are some images of the world's greatest sporting performers. Each of these will require a large amount of muscular endurance. Can you give 3 specific sporting examples of these in the empty column? i.e. a cyclist continuing to peddle for many miles in the Tour de France.









Laura Kenny

Anthony Joshua

Harry Kane

Roger Federer

Press-ups and Sit-ups are a simple, cheap and effective way of building muscular endurance. It is easy because there <u>is</u> not many pieces of equipment needed and you can do these exercises anywhere. The negatives of these exercises <u>is</u> that if your technique is not very good or correct, you could become injured and your results will be affected.

Sporting examples using the	2
FITT principle.	

1.	20.170.150.050.000.000.000.000.000	
		-
2.		
3.		

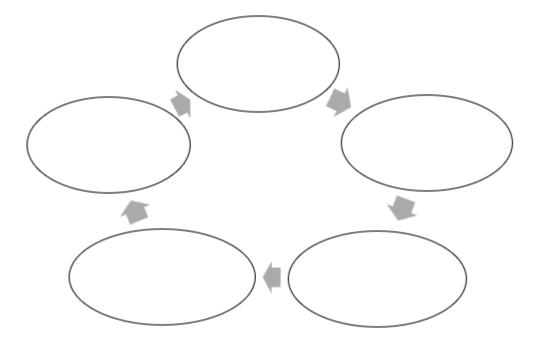
It is important to understand that different sports and sports performers require different aspects of fitness. Many sports need the same types of physical and skill related fitness, however some are unique and require specific components.



Dina Asher-Smith is a British and World Champion sprinter.

She needs to have great **muscular endurance** for her races as well as **speed**, **power and reaction time** to cover as much distance as possible, respond to the starter's pistol and move powerfully out of the blocks to get a good start.

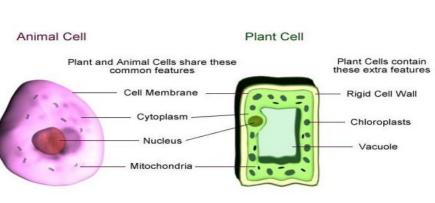
Circuit training sessions could help Dina when she is training for her events. Research what circuit training is and plan 5 exercises Dina could attempt to help her.



Key words and terminologies to consider in PE

Aerobic Endurance	Muscular Endurance	Muscular Strength
Speed	Flexibility	Body Composition
Pulse Raiser	Stretches	Skill related
Gastrocnemius	Hamstring	Gluteus Maximus
Quadriceps	Triceps	Pectorals
Pectorals	Oblique	Fibula
Biceps	Tibia	Humerus
Femur	Radius	Ulna
Scapula	Clavicle	Vertebral Column
Cranium	Ribs	Sternum
Agility	Power	Balance
Co-ordination	Reaction Time	Max. Heart Rate

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CELLS AND REPRODUCTION 1

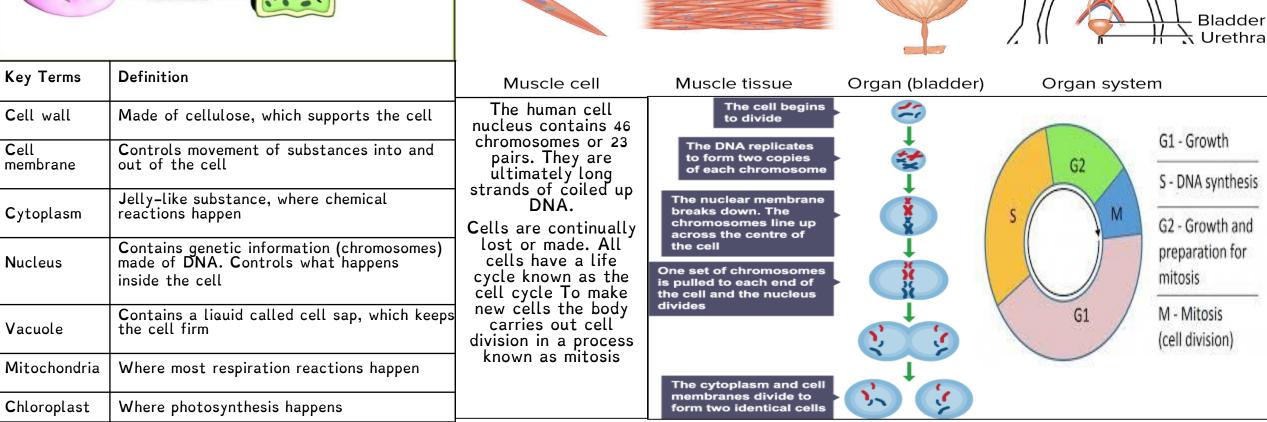
Body organization

All living organisms are made up of one or more cells. Unicellular organisms, like amoebas, consist of only a single cell. Multicellular organisms, like people, are made up of many cells. Cells are considered the fundamental units of life.

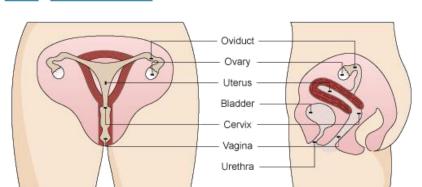
The cells in complex multicellular organisms like people are organized into tissues, groups of similar cells that work together on a specific task. Organs are structures made up of two or more tissues organized to carry out a particular function, and groups of organs with related functions make up the different organ systems.

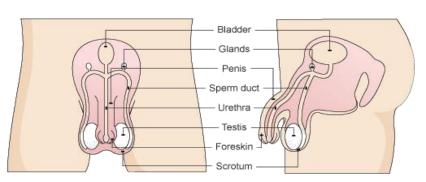
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The two <u>ovaries</u> (one of them is called an ovary) contain hundreds of undeveloped female <u>gametes</u> (sex cells). These are called <u>ova</u> (one of them is called an ovum) or egg cells. Women have these cells in their bodies from birth, whereas men produce new sperm continually.

Oviducts

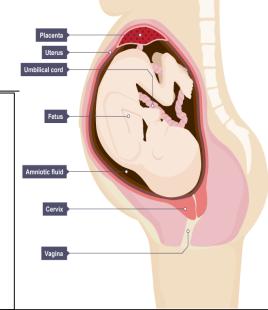
Each ovary is connected to the <u>uterus</u> by an <u>oviduct</u>. This is sometimes called a Fallopian tube or egg tube. The oviduct is lined with <u>cilia</u>, which are tiny hairs on cells. Every month, an egg develops, becomes mature and is released from an ovary. The cilia waft the egg along inside the oviduct and into the uterus.

Uterus and cervix

The <u>uterus</u>, also called the womb, is a muscular bag with a soft lining. The uterus is where a baby develops until its birth.

The cervix is a ring of muscle at the lower end of the uterus. It keeps the baby in place while the woman is pregnant.

The <u>vagina</u> is a muscular tube that leads from the cervix to the outside of the woman's body. A man's penis goes into the woman's vagina during sexual intercourse.



Testes

The two <u>testes</u> (one of them is called a testis) are contained in a bag of skin called the <u>scrotum</u>. The testes have two functions:

to produce millions of male gametes (sex cells) called sperm
to make male sex hormones, which affect the way a man's body develops

Sperm duct and glands

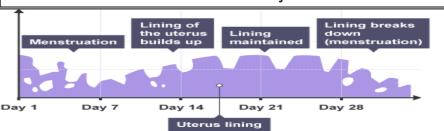
The sperm pass through the <u>sperm ducts</u>, and mix with fluids produced by the <u>glands</u>. The fluids provide the sperm cells with nutrients. The mixture of sperm and fluids is called semen.

Penis and urethra

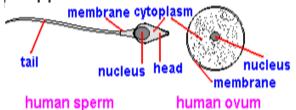
The <u>urethra</u> is the tube inside the penis that can carry urine or semen. A ring of muscle makes sure that there is no chance of urine and semen getting mixed up.

The menstrual cycle

The female reproductive system includes a cycle of events called the menstrual cycle. It lasts about 28 days, but it can be slightly less or more than this. The cycle stops while a woman is pregnant. These are the main features of the menstrual cycle:



<u>Fertilisation</u> happens if the egg cell meets and joins with a sperm cell in the oviduct. The fertilised egg attaches to the lining of the uterus. The woman becomes pregnant, the lining of the uterus does not break down and menstruation does not happen.



Fetal development and birth The fertilised egg divides to form a ball of cells called an <u>embryo</u>. The embryo attaches to the lining of the uterus. It begins to develop into a <u>fetus</u> and finally into a baby.

The role of amniotic fluid, the placenta and the umbilical cord

coenacademy Petal

CELLS AND REPRODUCTION 3 PLANT REPRODUCTION

The	plant

Seed dispersal

t spreads the seeds out - this is called seed dispersal

Function

their offspring don't compete with them for light or soil

Seeds can be dispersed in many ways: Animals — they eat the fruit and release the seeds in their

waste Wind - for example sycamore seeds

Water - for example coconuts

Sepals		Protect the unopened flower	with them nutrients.
Petals		May be brightly coloured to attract insects	Seeds can ways:
Stamens		The male parts of the flower (each consists of an anther held up on a filament)	Animals – and releas waste
Anthers		Produce male sex cells (pollen grains)	Wind - fo
Stigma		The top of the female part of the flower which collects pollen grains	seeds Water –
Ovary		Produces the female sex cells (contained in the ovules)	
Nectary		Produce a sugary solution called nectar, which attracts insects	
	After fertilisation	n the female parts of	the flow

Pollination

Anther

Stamen

Filament

Stigma

Ovary

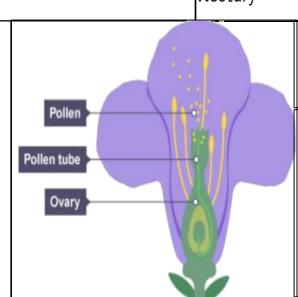
Nectary

Sepal

Pollination is the transfer of pollen from the anthers of one flower to the stigma of another flower (of the same species).

In wind pollination, the wind carries the pollen from the anthers of one flower to the stigma of another

In insect pollination, insects carry the pollen from anthers to stigmas. They go to flowers to get nectar for food (e.g. bees), and the pollen sticks to them so they carry it onwards



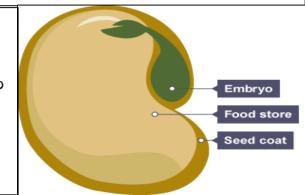
After fertilisation, the female parts of the flower develop into a fruit: the ovules become seeds the ovary wall becomes the rest of the fruit

Seeds

covering

Structure

A seed has three main parts: •embryo — the young root and shoot that will become the adult plant •food store — starch for the young plant to use until it is able to carry out photosynthesis •seed coat - a tough protective outer





German

Module 3: Freizeit - juhu! (Free time - yippy!)

Here is the vocabulary you will need for Module 3.

I am (very/quite/not very)

Remember to listen to the German by copying and pasting the blue codes next to the speaker icons here. The full address is: https://www.activeteachonline.com/view

QkIQP7f4

In this Module you will learn how to:

- talk about which sports you play
- talk about leisure activities
- talk about how often you do activities
- talk about mobiles and computers
- develop prediction strategies.

www.textivate.com

Username: openacademy Password: surname123

Go to 'my resourses' to find your work.

nicht sehr) sportlich. sporty. Was spielst du? What do you play? Ich spiele ... I play ... Ich spiele gern ... Hike playing ... Ich spiele ziemlich gern ... I quite like playing _ Ich spiele nicht gern ... I don't like playing ... Badminton badminton Basketball basketball Eishockey ice hockey Fußball football Handball handball Tennis tennis Tischtennis table tennis Volleyball volleyball Wasserball water polo

Bist du sportlich? • Are you sporty?

Ich bin (sehr/ziemlich/

Keep practising your German vocabulary on www.quizlet.com

• Either:

click on this link: https://quizlet.com/_8ievl8?x=1qqt&i=25q2il

• *Or*:

use your class link to go directly to your Quizlet class.



German

Was machst du gern?

What do you like doing?

Was machst du gern? What do you like doing?

Ich fahre Rad. I ride my bike.

I go skateboarding. Ich fahre Skateboard.

Ich fahre Ski. I ski.

Ich fahre Snowboard. Isnowboard.

Ich lese. Tread. Ich mache Judo. I do judo.

Ich mache Karate. I do karate.

Ich reite. I go horse riding.

Ich schwimme. I swim. Ich sehe fern. I watch TV. Ich spiele Gitarre. I play the guitar.

Ich tanze. I dance. Read the Strategy Box for ideas on learning German vocabulary.

6i81vZmF

Strategie 3

Oft benutzte Wörter

High-frequency words are words that come up again and again, no matter what you are talking about. All of the Wörter pages have a list of these words, but there are many more. Look back through Chapter 3 and see how many you can find. Here are a few to get you started:

der, die, das, ein, eine, einen, und, aber, in, ich, es gibt, gern, ... You will find that some of these words appear in every chapter in Stimmt! 1. Can you predict which they are? Look through the book. Were you right?

Wie findest du das?



great

Ich finde es ... I think it's ...

Es ist ... /t's ... irre

amazing super super toll

cool cool

good nicht schlecht not bad okay okay

langweilig boring nervig annoying stinklangweilig deadly boring

furchtbar awful





kxLBHBM

Was machst du in deiner Freizeit?

What do you do in your free time?

Ich chille. I chill out.

Ich esse Pizza oder Leat pizza or hamburgers.

Hamburger.

Ich gehe einkaufen. I go shopping.

Ich gehe ins Kino. I go to the cinema.

Ich gehe in den Park. I go to the park. Ich gehe in die Stadt. I go into town.

Ich höre Musik. I listen to music.

Ich mache Sport. I do sport.

Ich spiele Xbox oder Wii. I play Xbox or on the Wii.



9xvcnf0u



SVO8IKVZ

Ich bin online • I'm online

Was machst du am What do you do on the

Computer? computer?

Was machst du auf What do you do on your

deinem Handy? mobile?

Ich chatte mit Freunden I chat with friends on

auf Facebook. Facebook

Ich lade Musik herunter. I download music.

I take photos or make Ich mache Fotos oder

Filme. films.

Ich sehe Videos. I watch videos.

Ich simse. I text

Ich spiele Computerspiele. I play computer games.

Ich suche und lese Infos / look for and read für die Hausaufgaben. information for my

homework.

Ich surfe im Internet. I surf the internet. Ich telefoniere mit I call my friends.

Freunden.

I do quite a lot of things on Ich mache ziemlich viel auf meinem Handy.

my mobile.

Oft benutzte Wörter

· High-frequency words

How often? Wie oft?

(sehr/ziemlich/nicht so) (very/quite/not so) often

einmal/zweimal/dreimal once/twice/three times pro Woche/pro Monat a week/a month

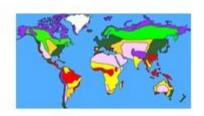
jeden Tag every day jeden Morgen every morning manchmal sometimes immer always never

Wann? When?

am Wochenende at the weekend am Abend in the evening

heute today morgen tomorrow

am Montag on Monday nächste Woche next week in zwei Wochen in two weeks glViTgXQ



Topics covered

- √ What is an ecosystem?
- √ Types of ecosystem/biomes
- ✓ Locations of biomes
- Deserts distribution (where they are found) and climate
- ✓ Deserts adaptations
- ✓ Tropical Rainforests distribution (where they are found) and climate
- ✓ Tropical Rainforests
 (TRF's) adaptations
- √ Threats to TRF's
- ✓ Protecting TRF's

Year 7 Knowledge Organiser: Global Ecosystems (Biomes)



Key Ideas:

- I can describe the location of global climate zones (average weather zones) and biomes
- I can describe the characteristics (what it is like) for deserts and tropical rainforests (TRF's)
- 3. I can explain how TRF's are being threatened
- 4. I can suggest ways that TRF's can be protected

Skills

- □ Recognising/Describing geographical features from an image
- □ Describing a distribution on a global scale map
- □ Drawing a climate graph
- □ Research using ICT
- □ Writing a persuasive letter

Places and Environments

- The Sahara desert
- ♦ The Amazon
 - Rainforest

Key Terms Used in this Unit

- □ Biomes
- □ Temperature
- Rainfall
- □ Climate
- □ Distribution
- □ Adaptations
- □ Evaporation
- □ Precipitation
- □ Lianas
- ☐ Buttress Roots
- □ Drip Tips
- □ Biodiversity
- □ Cattle ranching
- □ Plantations
- □ Palm Oil
- □ Sustainable

Year 7 History: HT3 - Black Death, Peasants Revolt, HT4 - King John

Key words				
Black Death	Death A disease that spread across Asia and Europe in the 14 th century, killing up to 1/3 of Europe's population			
Symptoms	An effect of a disease that can be observed in someone who has the disease			
Cause	An event or factor that occurs which leads to a further event			
Consequence	An event or outcome that occurs as a result of a cause			
Peasants ¹ Revolt	A large uprising in England that took place in 1381 where peasants protested against the Poll Tax and their situation			
Lollards	A group of Christians in 14th century Britain who believed that all people should be equal			
King John	King of England between 1199 and 1216. Seen by many as one of England's worst kings			
Interpretation	A point of view on historical events that is based on evidence			

Day 1 Painful Day 4 The disease swellings called buboes attacked the nervous appeared in the victim's system. This caused the armpits and groin. victim to suffer spasms. These were usually The victim was in about the size of an egg, terrible pain. but could sometimes be as big as an apple. Day 5 Sometimes the buboes burst and a foul-Day 2 The victim smelling black liquid vomited and developed oozed from the open boils. When this happened the victim usually lived. However, in most cases the victim suffered a painful death Day 3 Bleeding under the skin caused dark blotches all over the body.

These were the symptoms of the Black Death,

which killed between 40-60% of Britain's

population!

In many ways medieval Britain was similar to today. Humans have remained much the same for thousands of years!

However, life in medieval Britain also had some key features that make it different to today:

- Britain was a Christian country, and most people were very religious — it was illegal not to attend Church!
- · Hygiene was much less important than today.
- Particularly for peasants, life was very hard.
 Starvation and disease were very common.
- There was a small number of very rich people, but most of the population were very poor
- The vast majority of people worked on the land, growing food.

People at the time did not understand that the disease was actually caused by a bacteria, carried by fleas, rats and humans. As a consequence they had many of their own theories about what caused the plague based on their own understanding:

- · The plague was caused by the positions of the planets
- · The plague was a punishment from God
- · The plague was caused by 'bad' or 'corrupt' air
- · The plague was spread by Jewish people

This led to many attempted cures, most of which did not prevent the disease from spreading at all:

- · Rubbing a dead chicken on buboes
- People known as 'flagellants' whipped themselves to apologise to God
- Many Jewish people were killed as they were blamed for the plague



pen academy

The Peasants' Revolt, 1381 — In 1381 the peasants of Britain rose up against the King. In the end they were defeated in London, but this was a significant example of people with very little power standing up for themselves! You have learnt about what caused it.

Cause	Consequence
The Black Death and the Statute of Labourers	After the plague, so many peasants had died that there was a shortage. Survivors were able to demand higher wages. Wealthy people were angry so they lowered wages back to their previous levels. The peasants were angry about this!
The Feudal System	Under the Feudal System peasants spent their life working for other people, and were the 'property' of the nobles and barons. More and more people went to see this as unfair.
The Lollards	The Lollards were a radical Christian group who preached that all people were born equal. This led many people to believe that life was unfair and not in line with God's teachings.
The Poll Tax	This was a tax that all people had to pay equally, regardless of how much money they had. The peasants saw this as unfair as it hit them particularly hard.
The war with France	England was losing the 'Hundred Years War' with France. As many English people hated the French they were very angry about this

Interpretations of King John

Many people, including historians and those alive during his reign, have disagreed over the reign of King John. Although he is often seen as 'bad King John', or even England's worst ever King, others argue that he was not all that bad. We call these competing points of view interpretations, because historians have used sources in order to interpret the past.

John taxed his nobility heavily

John lost wars against France John's owns barons rebelled against him in 1215



How bad was King John?

John introduced Magna Carta — the first time the King had to answer to his people John strengthened
England's control over
Ireland and Wales

Plot Summary

Act 1 - The play starts with the three witches in thunder and lightening arranging to meet again where they will speak with Macbeth. Macbeth has recently been very brave in a battle and fought well. The witches tell Macbeth and Banquo that Macbeth will become Thane of Cawdar and King. They tell Banquo his children will be Kings too. Due his bravery in battle Macbeth is promoted to Thane of Cawdor by King Duncan. Macbeth writes his wife a letter telling her about the witches and she persuades him to kill King Duncan.

Act 2 - Macbeth kills King Duncan. Duncan's sons are scared they will be next, so they run away; therefore, Macbeth becomes King.

Act 3 - Macbeth is worried Banquo is getting suspicious, so he tried to have Banquo and his son killed. Banquo is killed, but his son Fleance gets away. Later at a party Macbeth thinks he can see Banquo's ghost and he is terrified. Lady Macbeth thinks he is going mad.

Act 4 - Macbeth sees the witches again and several ghosts appear. They warn Macbeth to keep an eye on Macduff. They tell Macbeth that he will be safe until the woods start climbing up the hill to his castle. They also say that no man who has been born can ever kill Macbeth. Macbeth believes that he is invincible. Macduff is in England, so Macbeth has Macduff's wife and son killed.

Act 5 - Lady Macbeth has been having bad dreams because she feels guilty about murdering the king. Lady Macbeth dies. A messenger tells Macbeth that he's just seen some trees moving up the hill towards the castle. Macbeth starts to realise that the Witches have tricked him. The English army, camouflaged with branches, is marching up the hill towards him. Macduff was also delivered by way of Caesarean section, so in a way he wasn't born in the usual sense of the word. When Macbeth hears this, he realises that the Witches really did trick him. He decides to go down fighting, rather than give himself up. Macduff chops Macbeth's head off. Duncan's son, Malcolm, is made king.

Context

- Witchcraft King James I was obsessed by magic and ordered witch-trials during his reign. The Jacobean audience would have greatly feared the idea of witches and Shakespeare portrayed them as evil to please his King.
- Patriarchal Society a patriarchal society is one where women are thought to be subservient to men. However, Shakespeare subverts these traditional gender roles with Macbeth & Lady Macbeth.
- Devine Right & Religion A Jacobean audience would have been very religious and would have believed that the monarch was chosen by God. To commit regicide would have meant you were going against God and would therefore be punished by him.

Key Terminology

Soliloquy - speech in a play which reveals a character's thoughts

Dramatic Irony - when the audience knows something the characters do not.

Regicide - killing a King

Hubris - excessive ego/self-confidence

Tragic Hero - a character who starts good and suffers a downfall throughout the play

Treason - a crime betraying your country/monarch

Hamartia - a fatal flaw which causes the downfall of the

tragic hero

Key Themes

Ambition - leads to evil. It makes Macbeth stronger and more determined, but then destroys his wife.

Supernatural - the idea there are forces controlling what is happening in our lives.

Reality & Appearance - the contrast between what is real and how things appear is also important in the play.

Loyalty & Guilt - breaking loyalties in turn causes guilt which destroys characters.

Characters

Macbeth - tragic hero of the play.

Lady Macbeth - married to Macbeth whose character goes against traditional gender ideas

Banquo - Macbeth's close friend who he betrays

King Duncan – King of Scotland

Macduff - Thane of Fife who is loyal to King Duncan

Malcolm - Duncan's son and rightful heir.

The Witches - deliver prophecies to Macbeth which initiate Macbeth's downfall.

Context Questions:

- 1. Create a class quiz on the context of the play. This could include questions about the monarch at the time, why certain themes are important and/or Shakespeare himself.
- 2. Why are the Witches so important and relevant to Macbeth?
- 3. Give an example where Lady Macbeth defies gender stereotypes.

Key Themes

- 1. Create your own witches spell, using rhyming couplets for your ingredients (links to theme of supernatural).
- 2. Two of the themes are ambition and guilt which do you think causes the most trouble in the play. Give reasons for your choice.
- 3. Write a poem inspired by one of the key themes.

Key Terminology

- Define the following words: regicide, hubris, hamartia & tragic hero.
- 2. What is dramatic irony and why is it effective in plays?
- 3. Write a soliloquy by Macbeth's ghost looking back at his behaviour throughout the play, examining his downfall.

Character Questions:

- What does Macbeth admit makes him kill
 Duncan?
- 2. Who is Macbeth's friend?
- 3. Which word describes Macbeth?
- 4. What does Lady Macbeth ask evil spirits to do, to make her able to help Macbeth?
- 5. What do we know happens to Lady Macbeth?
- 6. Why does Macduff hate Macbeth so much?
- 7. What two things appear to Macbeth which might be a figment of his imagination?
- 8. Why can Macduff kill Macbeth?

Plot Summary Questions:

- 1. What do the Witches predict for Macbeth?
- 2. Who persuades Macbeth to kill King Duncan?
- 3. Which of Macbeth's victims appear as a ghost at the banquet?
- 4. What does Macbeth think the Witches mean when they say "none of woman born" can hurt him?
- 5. How does Macbeth realise the Witches have tricked him?
- 6. Why does Lady Macbeth go mad?
- 7. Who kills Macbeth?
- 8. Who becomes king after Macbeth dies?

1. Themes:

- Ambition
- Guilt
- Gender expectation
- Kingship
- Pride
- Fate and destiny

Look up these words and concepts and write out their definitions.

- 1.
- ۷.
- 3.
- 4.
- **5.**

Can you think of moments in the play when you have seen evidence of any of these themes? Give as many examples as you can think of.

TASKS

Looking up the definitions of the keywords for each question will help you to answer them.

How does Macbeth change throughout the play? Use concise vocabulary to express your ideas, and give evidence (quotes) to support your answer.

Keywords: influenced, cowardly, masculine, proud, defiant, murderous
How does Lady Macbeth change throughout the course of the play? Use concise
vocabulary to express your ideas, and give evidence (auotes) to support.

Keywords: Femininity, gender expectations, manipulative

Why are the Witches included in the play? What role or function do they serve? How might they entertain and affect the audience?

Keywords: supernatural, magic, witchcraft, ominous

What evidence do we have that Macbeth has a violent and ambitious nature? Think about what he has done in the play so far.

Keywords: masculinity, pride, warfare, loyalty

What is pride? Why is it considered a 'sin'? How is Macbeth proud?

Keywords: sin, pride

Is Lady Macbeth a villainous (evil) character? Explain your opinion. Hint: Keywords: Manipulation, poison, gender expectations

Why do you think Shakespeare chose a 'dagger' as the murder weapon?

Keywords: Close combat, betrayal, deliberate

Why does Lady Macbeth see a permanent 'spot' of blood on her hands in the sleepwalking scene? What is her state of mind at this point in the play?

Keywords: remorse, hallucination

Why do you think Shakespeare includes hallucinations in this play? What does it show us that we would not otherwise see?

Keywords: hallucination, insights, madness

In many ways, Macbeth's actions can be viewed as quite cowardly, rather than brave and "masculine". To what extent do you agree? Can you explain your ideas?

Keywords: masculine, cowardly, extent



Solving problems with addition and subtraction

Ewhisto maths

What do I need to be able to do?

- By the end of this unit you should be able to:
- Understand properties of addition/subtraction Use mental strategies for addition/subtraction Use formal methods of addition/Subtraction for integers Use formal methods of addition/Subtraction for decimals

 - Solve problems in context of perimeter Solve problems with finance, tables and timetables Solve problems with frequency trees Solve problems with ban charts and line charts

Ossociative: when you add or multiply you can do so regardless of how the numbers are grouped **Commutative:** changing the order of the operations does not change the result

inverse: the operation that undoes what was done by the previous operation (The opposite operation)

Placeholder: a number that occupies a position to give value

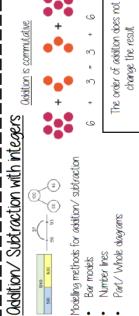
Perimeter: the distance/ length around a 2D object Polygon: a 2D shape made with straight lines

Balance: in financial questions — the amount of money in a bank account Credit: money that goes into a bank account Debt: money that leaves a bank account.

Formal written Subtraction the order has to stay the same



Modelling methods for addition/subtraction Part/Whole diagrams



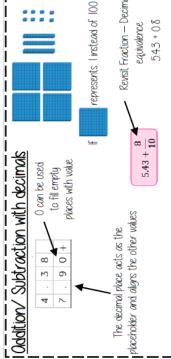
Number lines help for addition and Working in 10's first aids mental 360 - 147 = 360 - 100 - 40 - 7 addition/subtraction subtraction

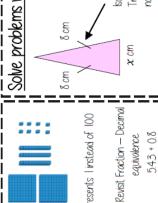
H T 0 4 2 7

You may need to move 10 ones to the ones column to be able to subtract Remember the place value of each column.

Show your relationships by writing

fact families





ge	ers th	2 8	
olve problems with perimeter	Perimeter is th	8	
with S		kosceles Triangle notation	
bems	8 cm	_	
pro	~	x cm	
용	CH CH	~ `	

The triangle has a p Find the length of x 8cm + 8cm + xcm = 16cm + xcm =

e length around the outside of a polygon

Solve problems with finance

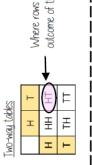


Check the units of currency — work in the same

| Glosgow and London | It is where their row and column intersects Tables and timetables This shows the distance between Cardiff 493 Distance tables

TIME COLCUOLTIONS — use a number line Each column represents a journey, each row represents the time the 'bus' arrives at that location 1205 1130 1147 Harton 1005 1045 1106 1133 1024 1051 Bridge

rain timetables



and columns intersect is the

26 of them were adults 13 of the adult's favourite animal was an elephant 24 of 60 people visited the zoo one Saturday the children's favourite animal was an

O frequency tree is made up from <u>part-whole</u> models One piece of information leads to another

Bar and line charts

e.g Difference between the number of students who walked and took the bus. extract information from bar charts. Walk frequency — bus frequency narber of children The property of the proper

When describing changes or making predictions

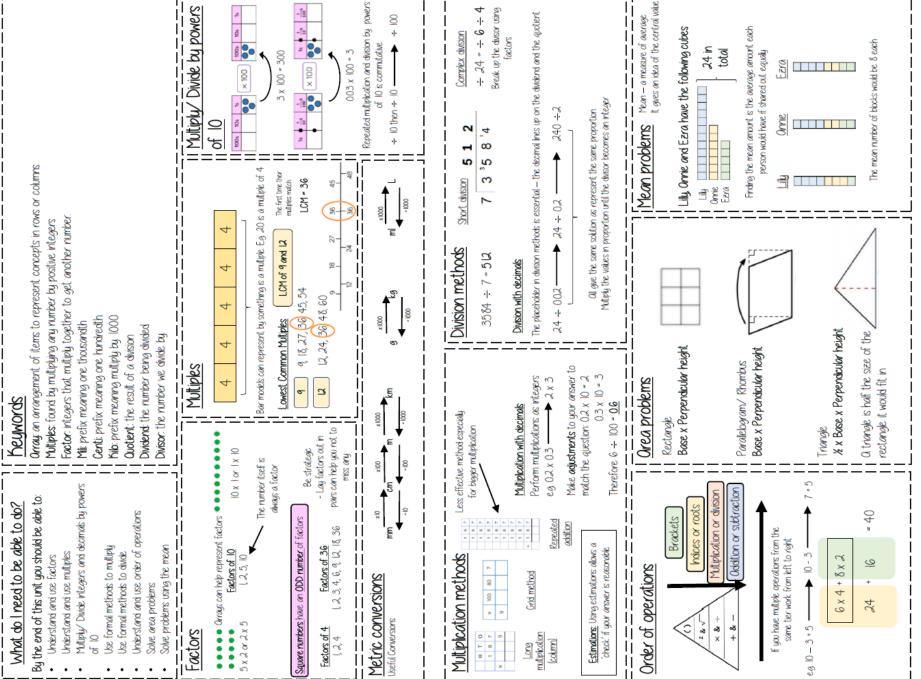
Probabilities or statements can be taken from the completed

- Extract information from your data source
- Make comparisons of difference or sum of values. Put into the context of the scenario

trees eg 34 children visited the zoo

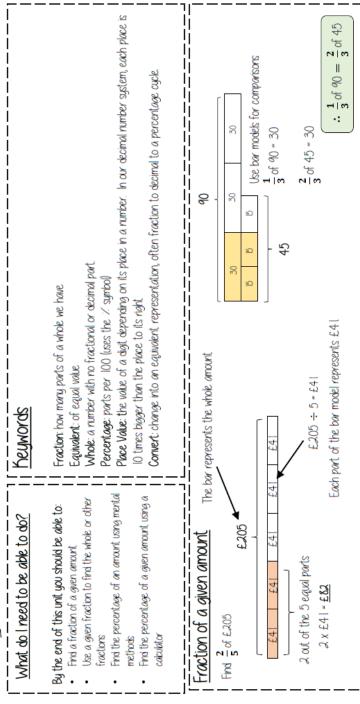
Solving problems with multiplication and division

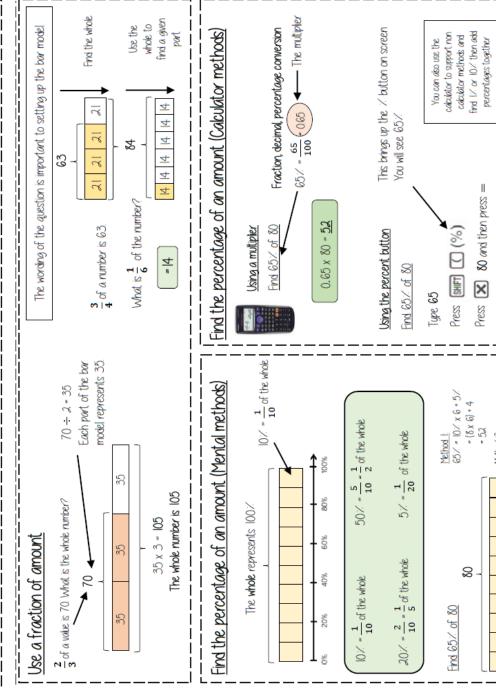
Ewhisto_maths



Fractions and percentages of amounts

@whisto_maths





'of" can represent 'x' in calculator methods

Nethod 2: 65% - 50% + 10% + 5% - 40 + 8 + 4 - 53

_∞

8

8

8

8

_∞

×

80

∞

∞

For bigger percentages it is: 100%

Key words			
Free Will	Humans have the ability to make their own choices.		
Moral Choice	Humans have the ability to know right from wrong and can choose right or wrong behaviour.		
Moral Evil	Actions that are caused by man that lead to suffering.		
Natural Evil	Actions caused by nature that lead to suffering.		
Omnipotent	The belief that God is all powerful.		
Omnibenevolent	The belief that God is all loving and kind.		
Omnipresent	The belief that God is all present- he is everywhere,		
Omniscient	The belief that God know everything- the past, the present and the future.		
The Fall	The original sin committed by Adam and Eve.		

They feel that God is using suffering to test the faith of his followers (like the story of Job)

They also believe that suffering is a part of God's plan- he knows why everything is happening, but humans cannot understand.

Christians feel that evil is necessary for us to know what good is. Because evil exists we can be aware of what is good and choose to do good so that we can grow into the image of God.

Some Christians believe that evil is the sole responsibility of humans for making wrong choices e.g.: Adam and Eve brought evil

How do Christians respond to the problem of evil?

Christians respond to the problem of evil in several ways. For example:

Free will: God has given people free will — the ability to choose between right and wrong for themselves. God has shown people how they should live (e.g. the Ten Commandments), but it is up to them to decide whether or not to follow God's instructions. Suffering comes from humans misusing their freewill.

Spiritual growth: Some Christians point out that experiencing suffering ourselves or seeing other people suffer can teach us humility or help us develop compassion for others. Christians believe that God shares in our suffering (e.g. Jesus suffered on the cross).

The existence of evil and suffering is one of the commonest reasons people give for not believing in God, or for losing their faith in God:

- · If God is all-loving, surely, he would not want people to suffer?
- If God is all-powerful, surely, he could prevent people from suffering?
- The fact that evil and suffering do continue to exist in the world makes some people question whether the all-powerful, all-loving God of Christianity actually exists. We call this the problem of evil.



Coping with Suffering

- 1. PRAYER Christians pray to God when they are suffering, hoping that God will listen and comfort and strengthen them in dealing with their suffering. They may also pray for God's help in ridding them of the suffering e.g. curing them/someone else from an illness.
- 2. IT IS PART OF GOD'S PLAN Even though humans may not understand or be aware of the plan, Christians believe that God does have a plan and purpose for everything that happens and this includes suffering. God works through all situations to bring about good, even if this may result in someone dying. It is comforting for Christians to think that a greater good will come out of the suffering they are feeling.
- 3. JESUS HIMSELF SUFFERED —
 Christians believe that God can
 understand the suffering that they go
 through because Jesus himself suffered on
 the cross. The Bible teaches Christians to
 share in the suffering of Jesus and in
 times of suffering Christians will look to
 God for strength and support.

Christians believe that when God created the world, Adam and Eve were in a state of innocent and in a perfect relationship with God, as it says in Genesis 3.

God forbade Adam and Eve to eat the forbidden fruit from the tree of knowledge, but Eve was tempted by the serpent to do so and Adam also shared the fruit.

Humanity now had knowledge of good and evil — they were no longer innocent and brought death and evil into the world be disobeying God. God punished Adam and Eve by banishing them from the Garden of Eden and making their lives harder e.g. woman pain in childbirth.

The Fall is the phrase used to show this shift from a perfect relationship with God to one of disobedience and a broken relationship.

Many Christians believe that The Fall has affected all humans and that every person is born with original sin — born out of a relationship with God and needing to be saved by God. Without being saved by God, a person with original sin cannot gain eternal life in heaven

Christians believe that they must seek to have their broken relationship with God mended and restored and therefore ask for God's forgiveness in order to gain redemption (restoring a relationship with God). The way that Christians can do this is by following a life in the example of Jesus, because Jesus died on the cross for the sake of all humanity's sins so that humans can enter back into a relationship with God. Christians believe that anyone who chooses not to follow Christ and live outside of a relationship with God, will be punished after death by hell.













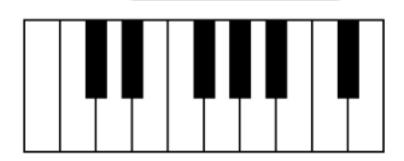
Year 7 Spring Term Knowledge Organiser

A fanfare is a call or flourish played on a trumpet and/or other brass instruments. A fanfare signals the arrival of an important person. Some fanfares are used to introduce a ceremony or event. Simple fanfares use the notes of a chord. They suit brass instruments because, without valves, brass players can produce the notes of a chord just by changing their lip pressure.

An ostinato is a musical pattern that repeats! You find them in all types of music, including fanfares, pop music, classical music and jazz!







Practice writing out notes on the blank stave above! Also, have a go at labelling the keyboard diagram over there!



Year 7 Autumn Term Knowledge Organiser

On this piece of fanfare music, see if you can find the following and label them: a crochet, a minim, a quaver, a treble clef, a G, 3 C's joined together, a pause sign, a bar line, a tempo marking and a dynamic marking!



Purpose of a chorus

The purpose of the chorus is to help to tell the story, to create a "background" for the main action by setting the scene and to act as a moral compass.

To help focus the audience a chorus can use point, look and lean.

The chorus may work in unison – all doing the same moves at the same times, or canon – one person does the move then the next then the next (like a Mexican wave).

When working as a chorus it is important to have good spatial awareness, meaning that you don't stand too close or too far from other people.

When working in a chorus it is important to make good use of levels to make sure that everyone can be seen.



Year 7 – Drama Knowledge Organiser 2 Working as a chorus

Performing to an audience

When performing to an audience you need to remember to:

Make sure the audience can see everything – think about your position on stage, are you facing the right way? Have you used levels?

Make sure the audience can hear everything – do you know what you need to say? Are you speaking loudly enough? Are you speaking with expression?

Make sure that the audience can understand everything – are your actions and words clear enough?

If your audience can see, hear and understand what you are doing then you are one step closer to clearly communicating your story to them. Commit to your performance and be confident – if you believe in what you are doing then the audience will do to. Enjoy it and have fun!



What do you know about the United Kingdom of Great Britain and Northern Ireland?

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Name and flag	Patron Saint	National Flower(s)	National Animal(s)	Coat of Arms	Motto	Anthem plus de facto /alternate
United Kingdom	_	m does not have or flower. It does	Lion Bull dog	Royal coat of arms of the United Kingdom	Dieu et mon droit meaning "God and my right" The motto is said to have first been used by Richard I (1157–1199) as a battle cry and presumed to be a reference to his French ancestry (indeed he spoke French and Occitan but knew only basic English) It was adopted as the royal motto of	"God Save the Queen" King replaces Queen when a male is on the throne.
England	St George	Tudor Rose	Lion		England by King Henry V (1386–1422)	God Save the Queen / Jerusalem
Scotland	St Andrew	Thistle	Unicorn		In Defens (Scots) "In Defence"	God save the Queen / flower of Scotland
Wales	St David	Leek or daffodil	ked Dragon		Cymru am byth (Welsh) "Wales forever"	"Hen Wlad Fy Nhadau" (Welsh) "Land of my Fathers"
Northern Ireland (currently no flag Ulster banner removed 1973	St Patrick	Flax or Shamrod	None	Many disagree with it as the body that created it is defunct.	Quis separabit? "Who will separate us?"	Londonderry Air