Name:



Year 7 Knowledge Organiser - Autumn 2

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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.

Subject	Page Number	Subject	Page Number
Multidisciplinary Lessons	3	German	22
Art	7	History	25
DT	11	English	27
Food	12	Maths	29
PE	16	RE	32
Science	18	Music	35
Geography	20	Computer science	38

Idea Explanation

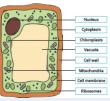
Make some flash cards or PowerPoint slides. Make top trumps.



Write down key words, auotation, auestions or equations on one side of a card. On the other side, write the definition or answer. Use them to test yourself.

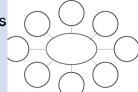
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Make a poster.



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!

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.

The Open University Sharing the Love of Reading: 11-16-year olds 1. Can I read 2. Can I hide 3. Can I aloud to a a story or deliver a friend or poem to be speech from relative? found? a character or public figure? 4. Can I share 5. Can I learn my reading about a book 6. Can I... journey over from the last someone's week? past? 7. Can I discover what books mean to someone else? 9. Can I 10. Can I gain create a a '7-day 8. Can I... paper chain streak' of of poetry? reading? 11. Can I 12. Can I 13. Can I design my read in an recreate a own reading unusual & scene/poem den? using various unexpected materials? place? 14. Can I set "Reading can 18. Can I up a news make my own seriously damage desk & give a mini book? your ignorance." report? 15. Can I 16. Can I find an 17. Can I make recreate a online video of an A-Z of favourite book authors, book an illustrator or comic cover? drawing and titles or favourite draw along? characters?

Questions, questions, questions...

Here are some examples you can try at home:

different don't have to ask every question every time you read, try picking out 2-3 questions each time you read.)

Before reading:

- Why did you select this book?
- What makes you think this book is going to be interesting?
- What do you think the book is going to be about (use the cover image, title and blurb for clues)?
- Does this book remind you of anything else you've already read or seen?

During reading:

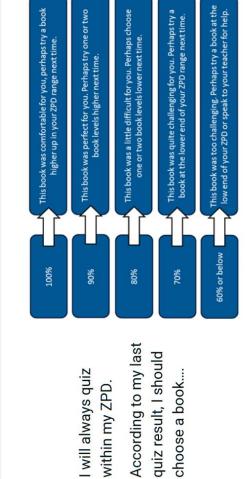
- •Who/What/Where/When/Why/How questions
- Will you catch me up on the story? What's happened so far?
- What do you think will happen next? Why do you think that?
- Why do you think the character did
- If you were that character, what would you have done differently in that situation?
- How do you think the character is feeling right now?
- If the book was a TV show, which actors would you cast in it?
- •Where is the book set?
- What does the place look like in your head as you read? Would you want to visit there?
- Did you learn any new words or facts so far?

After reading:

- What was your favourite part of the book? Why?
- Who was your favourite character? Why?
- What was the most interesting thing you learned from the book?
- Why do you think the author wrote this book?
- Would you have ended the book differently? Did it end the way you thought it would?
 - If you could change one thing in the book, what would it be?
- •Do you think the book had a good title? What different titles could it have had?
 - •Can you retell the story in your own words?
- Does this book remind you of anything else you have read? How so?

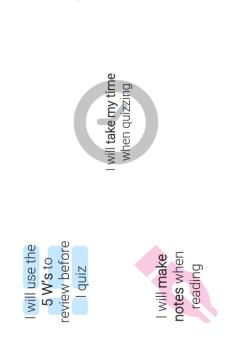


Level: Book improve my OL



within my ZPD.

Correct: **Percent** Average improve my OL



I will make sure my book within my ZPD range

as soon as I I will quiz finish my book

What... 5 W's:

When... Where.. Who...

Why...

Target: To meet my Points











If you are able to understand a book as you read, but struggle to remember events when you quiz, ask Miss Ling for a reading reminder sheet.



Supporting Readers at Home

Family

Reading Time

Open University research suggests there are three important ways to support readers and a love of reading.



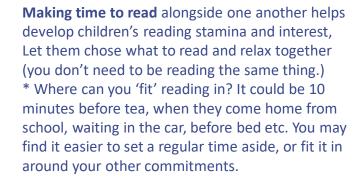
*Reading together doesn't have to be a story (recipes, news articles etc. all count too!)

*If you are not confident in reading aloud, why not listen to an audiobook together.

Children who read, and are supported as readers, develop strong reading skills and do better at school. Research also shows that reading aids relaxation and has benefits for mental health.



Book chats encourage readers. Invite them to make connections and share their views. Join in with your views too! (Please see the next page for suggested questions you can ask about any book.)





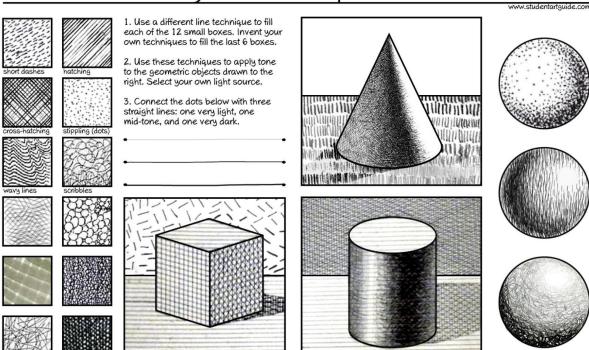
I wonder if...why...what... who...

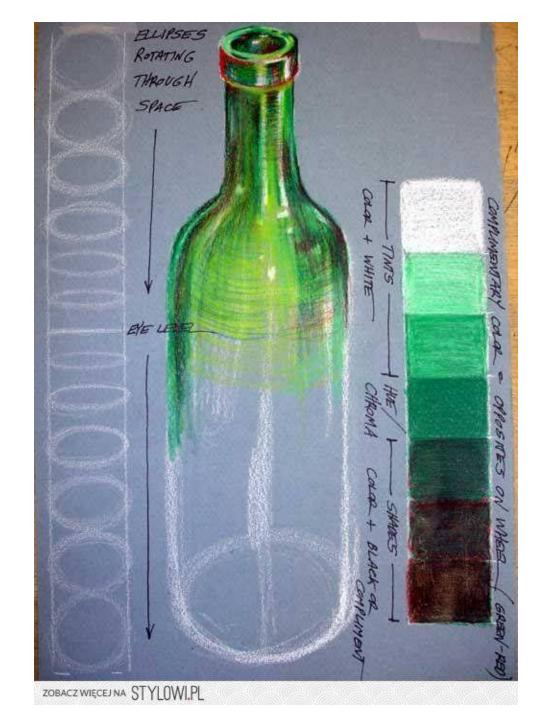


Year 7 Art Knowledge Organiser:

- At the start of Year 7 we introduce you to the formal elements in Art such as **TONE**, **FORM**, **LINE**....etc... See next page for full breakdown of the art elements.
- You learn about how to <u>look</u> properly when drawing and how to shade effectively. See the diagram below.

Line Drawing Techniques





Ø Ø 0

they are what you use to create an aesthetically pleasing work. When we make Art, we need to understand and apply these seven Elements of Art. These are the basic elements that are used by Artists in creating Art;













Line

pen or stick; a moving point. A mark made by a pointed tool such as a brush,

Shape

organic shapes. length and width. Artists use both geometric and A flat, enclosed area that has two dimensions,

Color

Value (shades and tints,) and Intensity (brightness.) Is one of the most dominant elements. It is created by light. There are three properties of color; Hue (name,)

Value

between values is called value contrast. Degrees of lightness or darkness. The difference

Form

width and height. Objects that are three-dimensional having length, Forms take up space and volume. They can be viewed from many

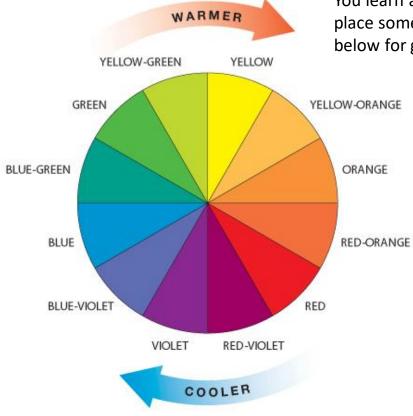
Texture

Describes the feel of an actual surface. The quality of an object; can be real or implied The surface

Space

two-dimensional, three-dimensional, negative and/or positive Is used to create the illusion of depth. Space can be

- You learn a little about why Art is important and why we learn about it in school.
- You learn about the colour wheel and the relationship colours have to one another.
- You learn how to use Art tools and materials in the correct way, e.g. brushes, paint, ink, clay and oil pastels.

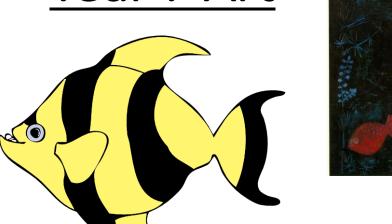


You learn about effective *Composition* (where to place something in a picture). See Fish picture below for good example of this:



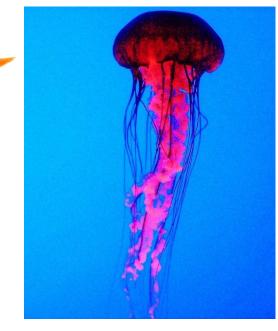


Year 7 Art





Composition



Paul Klee







Year 7 Picture Frame- Autumn 2 term

The first project of this year will be a focused practical task. You will be making a picture frame in the Academy workshop. The aims of this task is to be able to use the workshop safely and confidently.

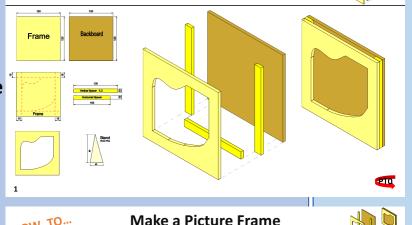
HOW TO ...

You be following this exploded drawing carefully. It will explain what components, tools and equipment are needed. We will teach you how to change the blade of a coping saw safely. Do you recognise the different tools and equipment from the 'how to' pages?

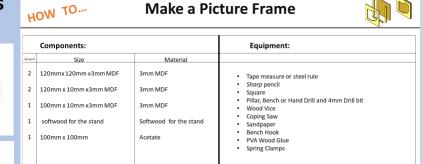
Can you name the following tools and explain what they are used

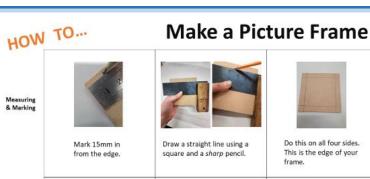


Careers using this knowledge: carpenter, engineer, product designer, teacher.



Make a Picture Frame







Place the workpiece into the wood vice & attach the Coping Saw blade through drilled hole in the workpiece and tighten.



Saw carefully to LEAVE the LINE showing. Move the workpiece as appropriate in the wood vice to make it easier to cut.

Make a Picture Frame



Draw on your design, mark where to drill and

draw hatching lines to

make it clear where to

Remove the Coping saw from the frame by turning the handle anti-clockwise to undo.



HOW TO ...

Sanding &

Finishing

Cutting



hole in the

workpiece where

the cut-out will be

Sand the inside of the frame to a smooth finish



Start to assemble the spacers onto the backboard and glue in place using PVA wood glue



Apply glue onto the upper surface of the spacers and attach the frame. Clamp in place using spring clips until the glue dries



Make a stand at the angle shown from softwood



Sand the edges of the completed frame to a smooth



Attach the stand using PVA wood glue



Cut-out 100mm x 100mm Acetate square and place in the frame



Paint, stain or varnish to complete





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

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

Carbohydrates

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

Food sources

Starchy - bread, rice, pasta, potatoes, bagels, oats, flour, cereal and some vegetables.

Simple - 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

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

Plant - vegetable oils (sunflower, olive, rapeseed), avocado, nuts, seeds

Function

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

Flapjack

<u>Ingredients</u>

125g rolled oats

75g sugar

75g margarine

2 tbsp. golden syrup

Equipment

Weighing scales

Measuring jug

Saucepan

Wooden spoon

<u>Skills</u>

Mixing

Melting

Weighing

baking

Try adding.. Nuts Raisons coconut



1. Pre-heat the oven to 180°C.
Melt margarine, syrup and sugar in a pan. Do not let the mixture boil.



4. Lightly smooth the top of the mixture with the back of your spoon.



2. Remove the pan from the heat and stir in the oats.



3. Poor the oat mixture into an oven proof dish.



5. Bake in the oven for 15- 20 minutes

Ingredients

1 chicken breast

½ pepper

2 garlic cloves

1 carton of passata

200g pasta

100g cheddar cheese

1tsp mixed herbs

Salt and pepper

1 tbsp vegetable oil

Equipment

Red chopping board
White chopping board
Knife
Frying pan
Grater
Teaspoon
Saucepan
Colander

Skills

Working with raw meat Chopping Seasoning Frying Grating

Cheesy Chicken Pasta

- 1. Fill a saucepan over half way with water. Bring to the boil. When boiling, add the pasta and cook for 12 minutes.
- 2. Dice your chicken breast on a red chopping board. Cut up your pepper on a white chopping board.
- 3. Fry the chicken and peppers for 5 minutes until white. Add the squeezy garlic and cook for another minute.
- 4. Add the passata, mixed herbs and salt and pepper. Mix.
- 5. When the pasta is cooked, drain and add to the sauce. Mix together well.
- 6. Pour into an oven proof dish, cover with cheese and bake for 10 minutes until golden and bubbly.

If you already made this dish on the year 6 taster days, you are welcome to change some ingredients!

You could change the protein, vegetables, or the type of cheese on top.

Practical Assessment 1: Pizza Toast

Ingredients

2 slices of bread

2tbsp tomato passata

1 pepper

2 mushrooms

1 tomato

25g of cheese

Pinch of mixed herbs

Equipment

Chopping board

Knife

Grater

baking tray

<u>Skills</u>

Slicing

Grating

baking



1. Pre-heat the oven to 180°C. Slice your vegetables.



2. Grate the cheese.



3. Spread the tomato sauce evenly on the bread.



4. Evenly sprinkle the cheese on the bread.



5. Evenly distribute the vegetables and then sprinkle with mixed herbs.

Bake in the oven for 20 minutes till golden and bubbly. ©



Aerobic Endurance

Definition: The ability of the heart and lungs to work hard to supply **nutrients** and **oxygen** to the muscles during exercise.

Aerobic endurance can also be known as cardiovascular fitness or cardiovascular endurance.





Can you think of any other sports where you have needed good levels of aerobic endurance?

Tell your PE teacher some sports that use good aerobic endurance for some extra achievement points!

VO2 max (ml/kg/min): the maximum amount of oxygen uptake, usually measured in ml of oxygen per kg of body mass per minute. It is a measurement of aerobic endurance.

How can you train to improve your aerobic endurance?



Scan this QR code to watch a You-tube clip to find out more information on ways to train to improve your **aerobic endurance**.

They are:

- Fartlek this is where the intensity of training is varied by running at different speeds or over different terrain. The training is continuous with no rest period.
- Continuous this is training at a steady pace and moderate intensity for a minimum period of 30 minutes.
- Interval this is where the individual performs a work period followed by a rest or recovery period.
- Circuit training this is where different stations/exercises are used to develop aerobic endurance.



Year 7 Knowledge Organiser - Physical Education (Autumn 1)

How to test aerobic endurance

Here are three fitness tests that can be used to test aerobic en durance. Scan the QR codes to watch how to do each fitness test.

- · Multistage fitness test (beep test)
- · Forestry step test
- Cooper test (12 minute run test)



Multistage fitness test



Forestry step test

Cooper test

Remember that attending extra-curricular clubs will not only help improve your understanding in that sport but it will also help improve your fitness levels, communication, teamwork, leadership and many other key values found in sport. We **encourage** you to attend at least one extra-curricular session.

CHALLENGE: Can you run 5km without stopping? If you can't download the free NHS Couch to 5K App. This will improve your aerobic fitness and will support you with your everyday activities. If you can already run 5k, how about challenging yourself to the 10k App!









Scan this QR code. Do you think you have what it takes to be a FIFA referee?

Referees' from a range of sports will need to have a good level of aerobic endurance as they will need to keep supplying their working muscles with nutrients and oxygen for the entire game. Football and rugby referees' are great examples as they will have to run up and down the pitch for long periods of time without getting tired. They will also need to keep up with the players so they have a good view of what is going on.

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FORCES

A force can be a push or a pull, for example when you open a door you can either push it or pull it. You can not see forces, you can only see what they do.

When a force is applied to an object it can lead to a change in the objects Speed

Direction of movement

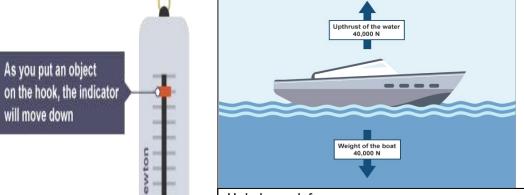
Shape (think about a rubber band)

Forces can also be divided into 2 types, contact forces and non contact forces.

<u>Contact forces</u> for example friction, are caused when two objects are in contact.

Other forces for example gravity, are non contact forces. The two objects do not need to be in contact for the force to occur.

The unit of force is the **Newton (N)**, this is named after Sir Isaac Newton, who came up with many theories including those to do with gravity and the three laws of motion. We measure force using a piece of equipment called a Newton metre.



Force Diagrams

To show the forces acting on a body we use a free body force diagram. A free body force diagram shows all of the forces that are acting on the body. It has arrows that show the direction the force acts, the larger the arrow, the larger the force. A free body fore diagram should always have labelled arrows.

Unbalanced forces

When two forces acting on an object are not equal in size, we say that they are unbalanced forces. The overall force acting on the object is called the <u>resultant force</u>. If the forces are balanced, the resultant force is zero.

If the forces on an object are unbalanced, this is what happens:
•a stationary object starts to move in the direction of the resultant force
•a moving object changes speed and/or direction in the direction of the resultant force
In the example below, the resultant force is the difference between the two forces: 100 - 60 = 40 N (to the right)

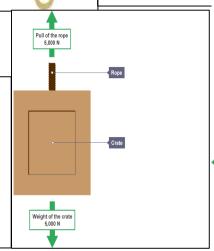
Balanced forces

When two forces acting on an object are equal in size but act in opposite directions, we say that they are balanced forces. If the forces on an object are balanced (or if there are no forces acting on it), this is what happens:

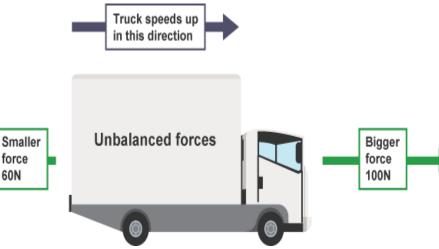
·a stationary object stays still

·a moving object continues to move at the same speed and in the same direction

Remember that an object can be moving, even if there are no forces acting on it.



60N

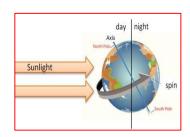




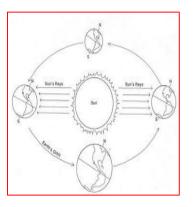
Earth and the solar system

Keyword	Definition
Attraction	When two or more things come together, eg the north pole of a magnet is attracted to the south pole of a magnet.
Gravity	The force of attraction between all objects. The more mass an object has, the larger the force of gravity it exerts.
Magnetic Field	Area surrounding a magnet that can exert a force on magnetic materials.
Mass	Amount of matter there is in something. Measured in kilograms, kg.
Orbit	An orbit is the path that an object takes in space when it goes around a star, a planet, or a moon.
Repulsion	When two or more things are forced apart, eg the north pole of a magnet is repelled by the north pole of another magnet.
Season	One of four times of the year (winter, spring, summer or autumn).
Solar System	The solar system consists of the Sun, with planets and smaller objects such as asteroids and comets in orbit around it.
Star	A large mass at the centre of a Solar System (if there are other bodies present) that produces heat and light, eg the star at the centre of our Solar System is called the Sun.
Weight	The force of gravity on an object. Measured in newtons, N.

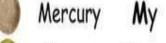
Day and Night
The Earth rotates
(spins) round on its axis
once in 24hours. We
spin into the light – day
- and then back out
again – night

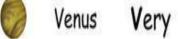


The Earth orbits the Sun once every 365 days.
Planets further out from the Sun travel more slowly and take longer to go round once. The Earth's axis is tipped over in space. In Britain we get different seasons because sometimes we are tilted towards the Sun and sometimes away.



The planets in order of distance from the sun

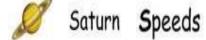


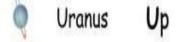


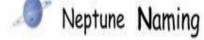






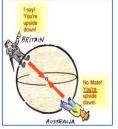


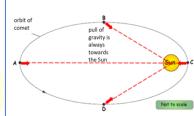


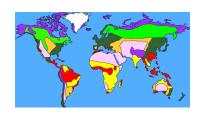


Weight and Mass

- **Mass** is the amount of matter there is in something. It is measured in kilograms, **kg.** An objects mass the same everywhere in the universe.
- **Weight** is the force of gravity on an object. All forces including weight are measured in Newtons, **N.** Gravity is not the same everywhere. So, an object's weight depends on where in the universe it is.
- To work out the weight of an object we do some Maths. Weight
- (N) = mass (kg) x gravitational field strength (N/kg)







Year 7 Knowledge Organiser: Global Ecosystems (Biomes)



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

Key Ideas:

- 1. I can describe the location of global climate zones (average weather zones) and biomes
- 2. 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

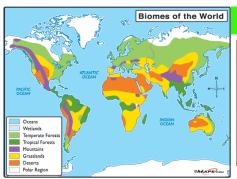
- □ Recognising/Describing geographical features from an image
- □ Describing a distribution on a global scalemap
- □ Drawing a climate graph
- □ Research using ICT
- □ Writing a persuasive letter

Places and Environments

- The Saharadesert
- 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



Describe the pattern that shows where Biomes occur

Biomes are giant areas of the planet that contain similar plants and animal species living in similar climate conditions.

Biomes are mainly split by how far North or South of the **equator** you go but can also be disrupted by mountain ranges and coasts.

The **food web** is one way that plants, feed animals (herbivores) who are then preyed upon by meat eaters (carnivores).

Dead animals are returned to the soil which feeds growing plants along with rain and sun.

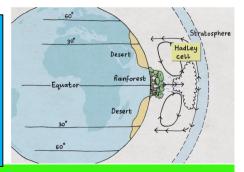
An **ecosystem** is the way all of these elements depend on each other.

Explain the links found in an 'ecosystem'

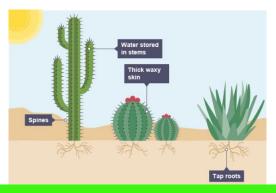


A huge 'convection' movement occurs in the atmosphere above the equator. This pushes warm humid air upwards causing thunderstorms. The air continues to rise upwards after it has rained and hits the 'stratosphere' forcing it to move left and right of the equator. This is called the Hadley Cell.

This same air which is now dry sinks back to the ground over desert areas. This explains why there are few clouds and little rain.



Describe the pattern that shows where Deserts occur



Give reasons why plants have the adaptations found in deserts

Rainforests contain some of tallest trees on earth (emergents) as well as the most humid, green, biodiverse (life - rich) environments on planet earth.

Label the names of the rainforest layers



Explain why rainforests are under threat today



Rainforests continue to be destroyed at devastatingly fast rates.

Tropical rainforests are the richest ecosystems on earth in terms of plant and animal species. These landscapes also play an important role in keeping us all alive for example by absorbing **Carbon Dioxide**.

Many of our favourite house plants originated in desert or 'arid' landscapes (this is why it can be easy to kill them by over-watering!).

Because rain is in short supply plants have developed many ways to keep hold of water. We refer to these differences as 'adaptations'. Many are known as 'succulents'.



German Autumn 2

Module 2: Familie und Tiere (Family and Pets)

Here is the vocabulary you will need for Module 2.

Remember to listen to the German by copying and pasting the blue codes next

to the speaker icons <u>here</u>. The full address is:

https://www.activeteachonline.com/view

Eigenschaften • Qualities

Wie ist er/sie/es? What is he/she/it like? Er/Sie/Es ist ... He/She/It is ...

dick/schlank fat/thin

frech/niedlich cheeky/cute gemein/süß mean/sweet

groß/klein

kräftig strong schlau cunning

(super)lustig (really) funny

Er/Sie/Es kann ... He/She/It can ... Italienisch sprechen speak Italian

fliegen fly

Flöte/Fußball/Wii spielen play the flute/football/on

the Wii

big/small

(schnell) laufen run (fast)

lesen read

Rad fahren ride a bike

schwimmen swim

singen sing springen jump

tanzen dance

In this Module you will learn how to:

- talk about pets
- say what different pets can do
- talk about family members and ages
- · describe family members
- talk about birthdays.

LXpXC2Uw

zqkjSAHS



Haustiere · Pets Have you got a pet? Hast du ein Haustier? Ich habe ... I have... a goldfish einen Goldfisch einen Hamster a hamster einen Hund a dog ein Kaninchen a rabbit eine Katze a cat eine Maus amouse ein Meerschweinchen a guinea pig ein Pferd ahorse eine Schlange a snake einen Wellensittich a budgie kein Haustier nopet





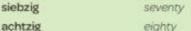
4eBlvpoK

N8CxZXmV

German

Die Zahlen 20-100 • Numbers 20-100

zwanzig twenty
dreißig thirty
vierzig forty
fünfzig fifty
sechzig sixty



achtzig eighty
neunzig ninety

hundert hundred einundzwanzig twenty-one zweiundzwanzig twenty-two

Die Farben • Colours

schwarz black weiß white grau grey braun brown rot red orange orange gelb yellow grün green blau blue

violett violet lila purple rosa pink

indigoblau

bunt brightly coloured hellblau/dunkelblau light blue/dark blue

indigo

Meine Familie • My family

Es gibt ... Personen in There are ... people in my meiner Familie. family. meine Mutter my mother mein Vater my father mein Bruder my brother mein Stiefbruder/ my stepbrother/ Halbbruder half-brother meine Schwester my sister

meine Stiefschwester/ Halbschwester

meine Eltern my parents

meine Großeltern my grandparents

Hast du Geschwister? Have you any brothers and

sisters?

my stepsister/half-sister

Ich habe zwei Brüder. I have two brothers.
Ich habe drei Schwestern. I have three sisters.
Ich bin Einzelkind. I'm an only child.
Ich habe keine I have no brothers and

Geschwister. sisters.

www.textivate.com

Username: openacademy Password: firstsecond123 Go to 'my resourses' to find your work.

Haare und Augen • Hair and eyes

C

Er/Sie hat ... He/She has ...

schwarze/braune/ black/brown/blond/red

blonde/rote Haare hair

kurze/lange/mittellange short/long/mid length hair

Haare

blaue/braune/grune/ blue/brown/green/grey

graue Augen eyes

PYX0ie7M

KdI0x73u

Das Datum • The date

Wann hast du Geburtstag? When is your birthday?

am 1. (ersten) Januar on 1 January am 3. (dritten) Februar on 3 February

am 7. (siebten) März on 7 March

am 8. (achten) April on 8 April am 15. (fünfzehnten) Mai on 15 May

am 29. (neunundzwanzigsten) on 29 June

Juni

Ich habe (heute) It's my birthday
Geburtstag. (today).



German

Die Monate • The months

Januar January Februar February März March April April Mai May. Juni June Juli July August August September September Oktober October

November

December

It's my birthday

(today).

M5aYrRZm

Read the Strategy Box for ideas on learning German vocabulary.

KdI0x73u

Strategie 2

Cognates

You can use your knowledge of English to help you work out the meanings of German words. Cognates are words that look the same or similar in German and English, and they often mean the same too (but not always!). However, watch out for pronunciation because they usually sound slightly different. Here are some examples of cognates and near-cognates from this chapter: April, orange, Goldfisch, braun.

Compound words

Long words can be difficult to remember, but they are usually made up of shorter ones, so it helps to break down these compound words into more manageable chunks - for example; Halb/schwester (half-/sister), Groß/eltern (grand/parents), Haus/tier (house/ animal = pet).

Das Datum . The date

November

Dezember

Ich habe (heute)

Geburtstag.

Wann hast du Geburtstag? When is your birthday? am 1. (ersten) Januar on I January am 3. (dritten) Februar on 3 February am 7. (siebten) März on 7 March am 8. (achten) April on 8 April am 15. (fünfzehnten) Mai on 15 May am 29. (neunundzwanzigsten) on 29 June Juni

www.auizlet.com: 7H 7O 7P 7E

Oft benutzte Wörter

High-frequency words

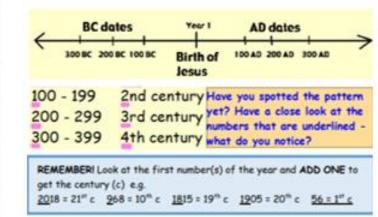
and but OF

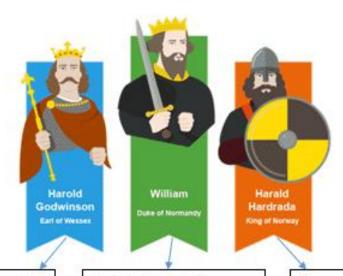
FKE5t6AJ

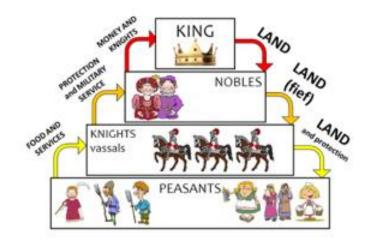
und aber oder ziemlich fairly, quite sehr very

Year 7 History: Medieval life, kings and castles

Key words	ty-
Chronology	The order in which things happen. The earliest event comes first.
ВС	'Before Christ' — the number of years before the birth of Jesus Christ
AD	'Anno Domini' — the number of years after the birth of Jesus Christ
Decade	10 years
Century	100 years
Millennium	1000 years
Primary source	A source created in the time being studied
Secondary source	A source created after the time being studied
Evidence	Facts, statistics, or knowledge used to prove a particular point







The Feudel system, introduced by William the Concueror to keep order in medieval society. Each layer receives something from those above them, and gives something in return.

English, with experience of ruling Wessex

Betrayed the old King and tried to overthrow him Protected the old King against Harold Godwinson

Already the ruler of a foreign land!

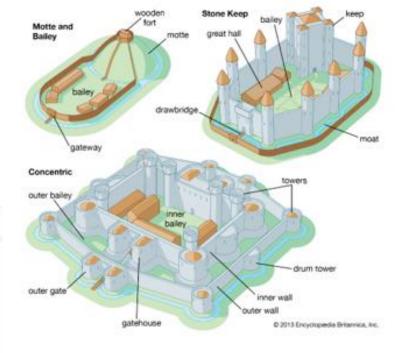
Has experience of being a King

A foreigner who uses force to get what he wants



The Battle of Hastings, 14th October 1066

- · Harold's Saxon forces assembled at the top of Senlac Hill
- · William's archers fire but the Saxon shield wall holds
- · William's footmen charge but the shield wall still holds
- William's cavalry charge and even they can't break the shield wall!
- The Normans believe William is dead they retreat and some Saxons follow. Once William declared that he was still alive, his men turned and killed the pursuing Saxons
- The Normans carried out another false retreat and killed more gullible Saxons
- The shield wall now weakened, William's archers fired again and killed Harold Godwinson. The Saxons surrendered.



Castles

In order to protect himself and his barons from Saxon attacks William also built castles around the country. These became more advanced over time. As well as being defensive structures they were also places for lords, barons and nobles to live.



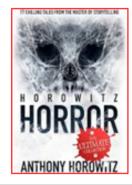
The Domesday Book

William wanted to know who owned what so he could tax them efficiently, so he sent inspectors around the country and they compiled their findings in the Domesday Book. Find where you live on the Domesday Book! Search at https://opendomesday. org/

Vocabulary to learn

Horowitz Diary Impact Prediction Genre Inference Verbs Horror Connectives Explain

Structure



It's a world where everything seems pretty normal. But the weird, the sinister and the truly terrifying are lurking just out of sight. Like an ordinary-looking camera with evil

Structure analysis - methods:

- Zoom in/out
- Repetition of an image/idea
- Links and connections between paragraphs
- Shifts:
- inside to outside (and vice versa)
- focus
- time
- topic
- setting/place
- mood/atmosphere
- description to dialogue

(and vice versa)

Complex

sentence

clause.

Language analysis Checklist:

- Link to task
- Relevant quote
- Meaning of quote
- Method named
- Effects explained
- Word zoomed in on
- Meaning of word
- Implied meanings

Despite the thunder and lightning,

there was no rain.







Topic - change in TOPIC



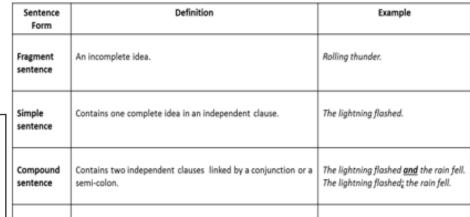


Person - change in SPEAKER

Literary devices and word class

TIPTOP

- Metaphor a literal comparison she was a monster
- Personification human qualities the grass danced in the wind
- Simile as/like/as if he was like a man possessed
- Onomatopoeia the sound words bang, pop, sizzle
- Alliteration same starting sounds really rather raucous
- Verbs doing words
- Adjectives describing words
- Nouns objects or abstract things e.g. love
- Adverbs describe doing words e.g. wrote neatly
- connotations of words associations night-time = mystery



Contains an independent clause and at least one dependent

Origins of Greek Theatre

Ancient Greek drama was a theatrical culture that flourished in ancient Greece from 600BC. The word 'theatre' comes from the Greek word 'theatron' which means seeing place.



Plays were often performed as part of a competition at the festival CITY DIONYSIA, which was a celebration in honour of the god DIONYSUS, the Greek god of music, feasting and wine.



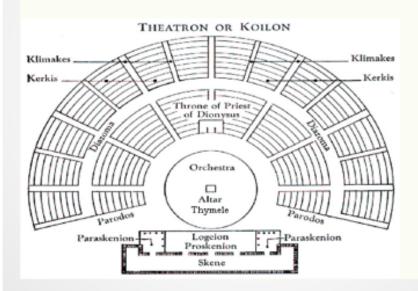
The best playwrights of the day were famous celebrities in Ancient Greece, the most famous were: Aeschylus, Sophocles, Euripes and Aristophanes. Having a play win at the City Dionysia was a great honour and playwrights would go to great extremes to win.

Year 7 – Drama Knowledge Organiser Greek Theatre

Most Greek cities had a theatre. It was in the open air, and was usually a bowl-shaped arena on a hillside. Some theatres were very big, with room for more than 15,000 people in the audience.

All the actors were men or boys. Dancers and singers, called the chorus, performed on a flat area called the orchestra. Over time, solo actors also took part, and a raised stage became part of the theatre. The actors changed costumes in a hut called the "skene". Painting the walls of the hut made the first scenery.

The plays were *comedies* (funny, often poking fun at rulers) or *tragedies* (sad and serious, with a lesson about right and wrong).

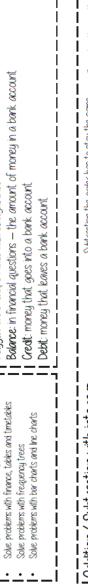


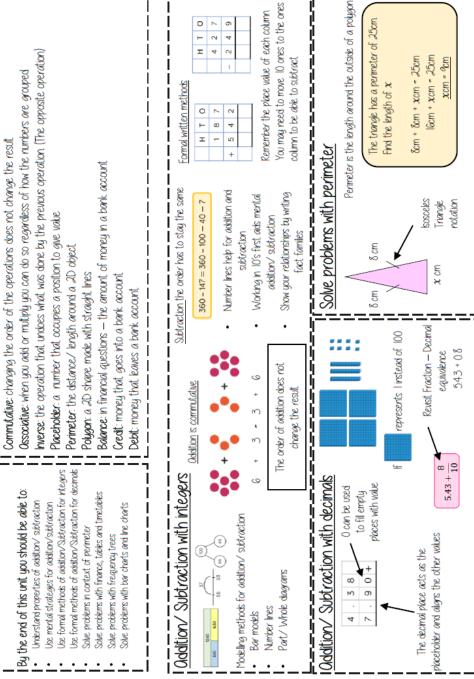
- APPLICATION OF NUMBER YEAR 7

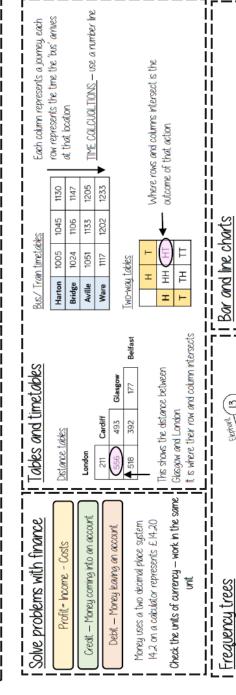
Solving problems with addition and subtraction

@whisto_maths

What do I need to be able to do?









e.g Difference between the rumber of students who waked and took the bus. Wak frequency — bus frequency

(3)

morning
26 of them were adults 13 of the adult's
favourte animal was an elephant. 24 of
the children's favourte animal was an

60 people visited the 200 one Saturday

When describing changes or making predictions

• Extract information from your data source

• Make comparisons of difference or sum of values

• Put into the context of the scenario

eg 34 children visited the zoo

Probabilities or statements can be taken from the completed

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

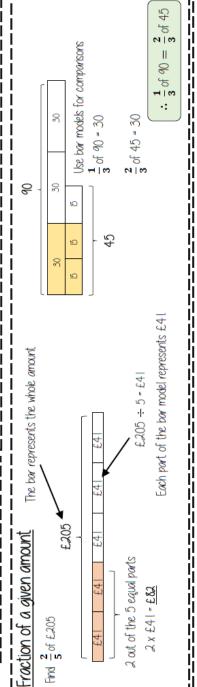
Use addition/ subtraction methods to

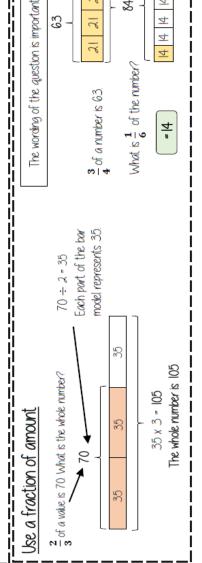
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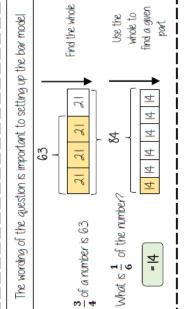
Fractions and percentages of amounts

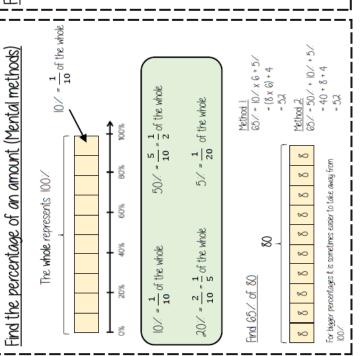
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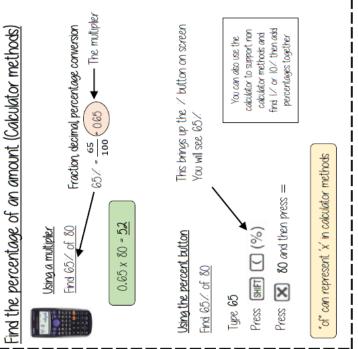
Percentage: parts per 100 (uses the 7 symbol) Place Value: the value of a digit depending on its place in a number. In our decimal number system, each place is 10 times bigger than the place to its right. **Convert**: change into an equivalent representation, often fraction to decimal to a percentage cycle Whole: a number with no fractional or decimal part. Fraction: how many parts of a whole we have Equivalent: of equal value Keywords Find the percentage of an amount using mental Find the percentage of a given amount using a Find a fraction of a given amount. Use a given fraction to find the whole or other By the end of this unit you should be able to: What do I need to be able to do? methods



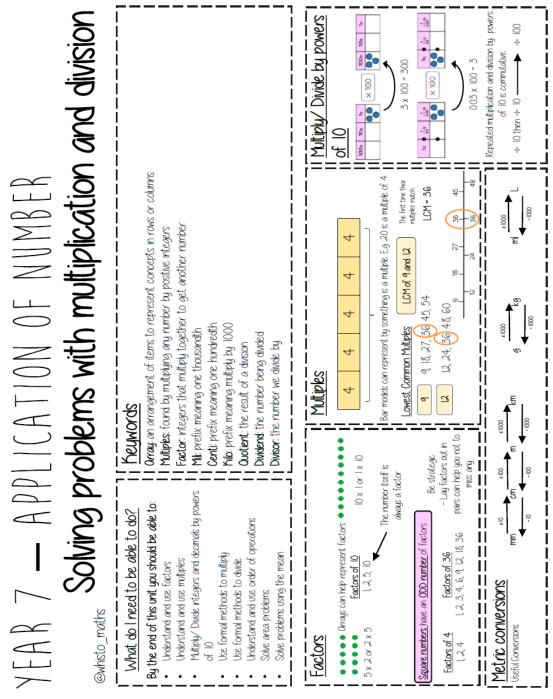


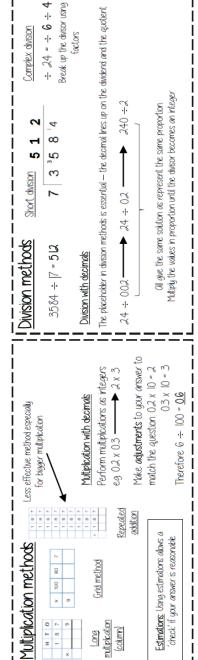


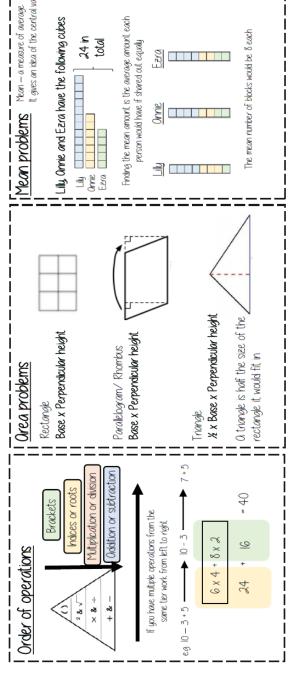














What do Christians believe in the Oneness of God and the Trinity?

The idea of the Trinity is that there are three 'persons', all of which are God. Just as a clover leaf is made up of what seems to be three separate leaves, the one God is made up of three 'persons' - God the Father, God the Son and God the Holy Spirit.

God the Father

Christians believe that the first person of the Trinity is God the Father. The Lord's Prayer, is a prayer Jesus taught his disciples and which is commonly used in worship.

God the Father is believed to be the creator of the earth and all living things on it. As creator of life, he acts as a good father towards his children. He is believed to be all powerful (omnipotent), all loving (omnibenevolent) all knowing (omniscient) and present everywhere (omnipresent).

What message do you think Jesus wanted to portray with this prayer?

The Lord's Prayer

Our Father who art in heaven;
hallowed be thy name,
thy kingdom come,
thy will be done,
on earth as it is in heaven.

Give us this day our daily bread; and forgive us our trespasses, as we forgive those who trespass against us;

and lead us not into temptation, but deliver us from evil.

For thine is the kingdom and the power and the glory forever and ever. Amen

God the Son

The second person of the Trinity is often referred to as the Son of God and became incarnate (embodied in human form) on earth and in history through Jesus. Christians believe Jesus was both fully human whilst on earth and also fully God at all times.

Father

GOD

Son

Holy

Spirit



God the Holy Spirit

Christians believe that once Jesus had left the earth, God sent the Holy Spirit to influence, guide and sustain earth and all life on it. The Holy Spirit is believed to be the unseen power of God at work in the world in the past, present and future.



Year 7 RS: How do Sikhs interact with culture and society?

Key words		
Sikh	A follower of a religion called Sikhism.	
Guru Nanak	The founder of Sikhism	
Waheguru	The Sikh God	
Punjab	An area in the Northern part of India were Sikhism was started by Guru Nanak.	
Guru Granth Sahib	The holy book for Sikhs.	
Gurdwara	The Sikh Temple-place of worship.	
The Golden Temple	The Pilgrimage or spiritual place of worship for Sikhs.	
Sewa	Serving others, showing love and kindness to all.	
Langar	A community kitchen in a Gurdwara, food is cooked and served daily to everyone.	

People of all religions are welcomed in and even allowed to say their own religion's prayers.

They must not take meat, alcohol or cigarettes into the Golden Temple and their head must be covered. They take off their shoes when they enter.

The central point of the Golden Temple is the known as the Divine Temple. Here one can see some of the earliest copies of the Guru Granth Sahib as during the day it is placed on the takht in this diwan hall. However, a newer copy is used in daily worship to protect the oldest one. The walls inside the Harmandir Sahib are carved with verses from the Guru Granth Sahib. People swim in the lake — it is known as a Sarovar (sacred pool) and is said to heal illnesses.

An Overview of Sikhism.

Sikhism is one of the world's major religions. It is the world's 5th major religion, with about 28 million followers. It began over 500 years ago.

Sikhs are people who follow Sikhism. Sikhs believe in One God, who guides and protects them. Sikhs see everybody as being equal in Gods eyes.

Leading a good life and making important choices are important in Sikhism.

The Guru Granth Sahib is the holy book in Sikhism. Sikhs worship at home and also in a Gurdwara, their Sikh Temple.

Pilgrimage in Sikhism.

The Golden Temple's real name is Harmandir Sahib. This means 'temple of God.' (Har means God, mandir means temple — you should remember this from Hinduism and Sahib is a way of showing respect to something. It's very similar to sa'lah'lah'hu'alla'him/'peace be upon him' in Islam.)

It is built on a platform in the middle of a man-made lake, on a site chosen by Guru Nanak. This is in the centre of Amritsar, a Sikh city. It was first built in 1574. However it was destroyed in 1740 by a Mogul emperor and then was recaptured by a Sikh army and rebuilt. It was later built again in the 19 to entury out of marble and then the top half covered in gold leaf. There are 4 doors, one on every side to show that people of all races, religions and nations are welcome. Continued on the left



The 5 K's

Sikhs display their commitment to their religion by adhering to the 5 K's, which are the Sikh Articles of faith.

The 5 Ks are symbols of Sikh faith. Many non-baptised Sikhs will wear them, but all members, both male and female, of the khalsa (Sikh community) are obliged to wear them.

They will also change their name as a sign. Men who have joined the khalsa add Singh (meaning 'lion' to their name), showing they are strong & fearless, but also caring & kind.

Women add Kaur (meaning 'princess'), showing all women should behave & be treated like princesses. The commitment to the 5 Ks first came into place in 1699 when Guru Gobind Singh (the 10 guru) made the announcement that they should be worn as a display of faith and devotion to God. They are also a symbol of belonging to the Sikh Community. The 5 K's are Kesh- uncut hair, Kangha-comb, Kara-Steel bracelet, Kirpan- small sword and Kachera- shorts worn under their

Where and how do Sikhs worship?

Sikh temples are called Gurdwaras. They are built with a large central dome. Gurdwaras have 4 doors, one on each side of the temple. This shows that they are open to all people of any faith as Sikhs believe that everyone is equal and we all can and should worship together.

3 Principles all Sikhs live by:

Nam Simran: Remember God's name always.

Kifat Karna: Earn an honest living.

Everyone is obligated to work hard to earn a living if they are able They cannot have a job which hurts others (running a gambling business, making pornography, dealing illegal drugs, etc.)

Shouldn't be about getting rich but just to help them live life.

Vand Chhakna: Share in charity with those who are less fortunate. This shows generosity and self-sacrifice. Sikhs believe that the best way to worship God is by caring for other people. We cannot love God if don't take care of his creations. All beings and creatures are His; He belongs to all.' This means respect for all living things because God is in everything-including animals. As a result, many Sikhs are vegetarian. They think they are stewards of the Earth so they also have to care for it as God created it.

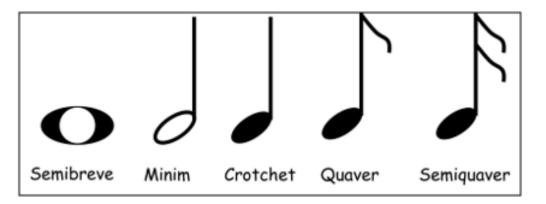


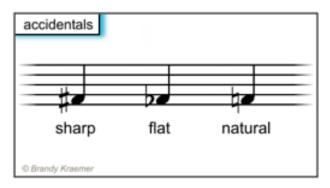


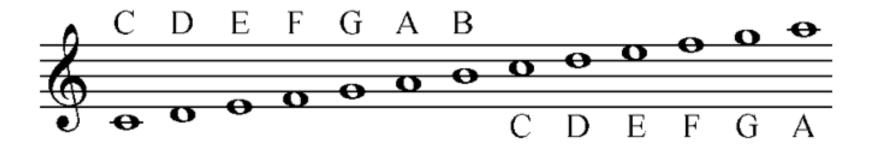


Year 7 Autumn Term Knowledge Organiser

Duration	How long a note lasts for
Pitch	How high or low a note is
Tempo	How fast or slow a note is
Dynamics	How loud or quiet the music is
Timbre	The quality of sound
Texture	How thick or thin the music is
Structure	How the sections of music are laid out e.g. chorus, verse etc.
Silence	When the instruments stop playing

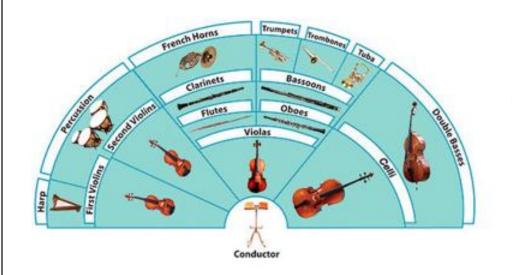




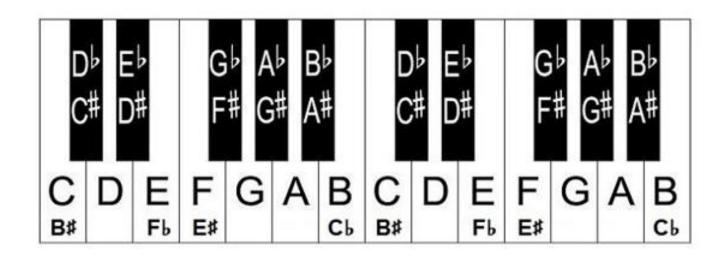




Year 7 Autumn Term Knowledge Organiser



Strings	Violin, Viola, Cello, Double Bass, Guitar, Harp, Ukulele, Banjo	
Brass	Trumpet, Trombone, Tuba, Cornet, French Horn, Euphonium, Sousaphone	
Woodwind	Flute, Piccolo, Clarinet, Oboe, Bassoon, Recorder, Saxophone	
Percussion	Drums, Timpani, Cymbals, Djembes, Cajons, Xylophone, Glockenspiel, Maracas, Claves, Snare Drum, Bass Drum	



General vocab

accent — where the music is emphasised

bar — a regular section on a staff, separated

by vertical lines. Contains the beats

beat - unit of rhythm

canon — tune that is repeated at regular

intervals by different performers, but with different starting times chant – singing in unison, with a similar

rhythm to speech choir – group of singers chord – 2 or more notes (usually 3) played simultaneously in harmony

chord progression – string of chords played in succession, usually a pattern

clef – a symbol on written music, defining what pitch to play the note

crescendo – getting louder

decrescendo – getting quieter

dissonance – harsh sounds, chords not in

harmony

downbeat - first beat in a bar

drone – monotonous tone

duet - two vocalists or instruments

dynamics – how loud or quiet a piece of

music is

ensemble – all instruments in an orchestra or all voices in a choir, playing at once.

flat – playing a note a semitone lower than the written one

forte – loud

harmony — pleasing combination of two or more notes, played in background behind melody

key – system of notes based on a key note

Rest lengths

Minim rest – 4 beats
Minim rest – 2 beats
Crotchet rest – 1 beat
Quaver rest – ½ beat
Semiquaver rest – ¼ beat

key signature – the flats and sharps at the beginning of each line, to be played throughout the piece music major – a happy sounding piece of music minor – a sad sounding piece of music notation – a method of writing music notation – a method of writing music octave – 8 full tones above the key note. Start and end of a scale off beat – the unaccented beat orchestra – a large group of instruments, usually classical pulse – the constant beat in a piece of

music rest – moment when a note is not played for a defined length of time

for a defined length of time rhythm – structured groups of accented and unaccented beats

scale — successive notes of a key, ascending or descending

sharp — note to be raised by a semitone slur — a curve over notes, suggesting that it is slurred together

staccato – short, sharp notes

staff – five horizontal lines on which notes are written

tempo – speed of a piece

time signature — how many beats to a bar unison — playing or singing the same notes simultaneously

vibrato – quickly alternating between two notes – a wobbly sound

Common Tempo words

allegro – quick and lively
andante – at a walking pace
adagio – slow and calm
largo – slow and broad
moderato – a moderate pace
rallentando - gradually getter slower
accelerando – gradually getting faster



Knowledge Organiser: Year 7 Autum Term Part 2 Understanding computers and binary

Summary

Binary, is a number system that is made of two numbers. 1 and 0. Also known as base two.

Computers are made up of switches. If you turn on a light switch at home, a computer scientist would say that the light is 1. If you turned it off, a computer scientist would say that the light is 0. A typical computer has billions of switches. That's a million million switches. Another name for a switch is transistor.

Computer scientists love binary. Why? In simple terms, a computer is just switches. If we understand Yes/No questions we can code a computer to do what we want it to do. This is a form of

'Computational thinking'.

Imagine a billion people standing by their own light switch and working as a team to make a mobile phone respond to text message. To get close to modern computer/smart phone speeds each person would have to turn the switch at the same time and have to do this 4,000,000,000 in one second. All of actions in life are based on a number of binary decisions.

What is a computer? A computer can be instructed to accept, process, store and output data. That could be a phone, a washing machine, a tablet, a TV or even the humble PC (personal computer).

Storage-stores programs and files long term, even when they are not in use. Devices such as hard drives, USB memory sticks or SD cards are used to store files such as photos, music and software applications long term.

An input device is any piece of computer hardware used to provide data to a computer system.

An output device is any piece of computer hardware used to communicate the results of data to audience.

A Switch



Binary and Decimal



Input / O uput and storge devices



Key Vocabulary		
Binary	1 or 0.Also known as base 2.	
Computer	A hard ware device made up of switches. A switch can have a state of 1 or 0.	
Computation- althinking	Methods that involve expressing problems and their solutions in ways that a computer could solve.	
Switch	a device for making and breaking the connection in an electric circuit	
Decimal	Base 10 also known as denary. Symbols include up of 0 1 2 3 4 5 6 7 8 and 9.	
Hardw are	The physical parts of a computer. Egithe touchscreen,	
Input Device	Hardware that sends data to a computer, allowing you to interact with and control it.	
Output	Hardware which converts information into hu-	
Device	man-read able form. It can be text, graphics, tactile, audio, and video.	
Device Storage Device	man-read abl e form. It can be	



Transistor



Another name for a switch.



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