





A Knowledge-Rich Curriculum at Lymm High School

Why are we using Knowledge Organisers?

Research around memory suggests that "knowledge is sticky": the more factual knowledge you know, the easier it is to learn more in future! But there is a catch: If knowledge is studied once, and not revisited or revised, it is not stored in long-term memory.

To strengthen your memory, and ensure information is stored permanently in your long-term memory, it must be revisited frequently. This means that after one lesson, or a single test, the knowledge is not fully embedded or learned unless it is studied again.

This is why your knowledge organiser is an important part of revising the essential information you learn in class!

Use of Knowledge Organisers for revision and in class

As part of their home learning, students should be revising what they have learned recently, but also content they were taught previously. Therefore, as part of our strategy to ensure that knowledge is embedded over time, we have developed knowledge organisers, which contain the 'bedrock knowledge' necessary in each subject area. A mastery of this knowledge will ensure that students can progress comfortably to new units of learning, and can be successful in their subjects.

This information will provide the basis of our assessments and exams, and so getting into good revision habits with these resources will ensure students feel as prepared as possible.

Teachers may set specific areas of each knowledge organiser as part of homework tasks on 'Satchel one' – formerly 'Show my Homework' – however students should be using their knowledge organiser for independent revision regularly.

For mastery of your subjects, remember:

"Don't practise until you get it right. Practise until you can't get it wrong!"

As well as supporting revision at home, this knowledge organiser should be kept in students' bags, and brought to school each day so that it can also be used and referred to in lessons.

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(Subjects are arranged alphabetically)

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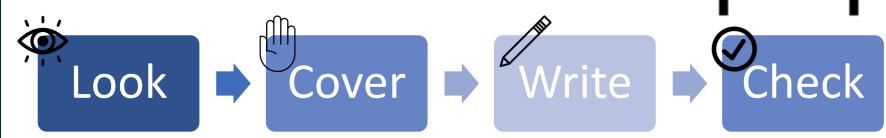
Spanish

50



How to use your knowledge organiser:

Recommended strategies (<u>don't</u> just read or highlight – **get active**!):



- Create mind maps
- Create flash cards
- Write out key points on post-it notes and place somewhere visible so you see and review them regularly
- Write your own quiz questions based on your knowledge organiser leave until the next morning, next day, or next week to see how well you have retained the information
- Get someone else to test you
- Use key vocabulary from your KO in sentences
- Use the formulae, vocabulary lists, facts, processes etc on your KO to help you complete homework tasks
- Draw diagrams and flow charts of key information
- Summarise each section into your own words what are the MOST important facts or details in each box?
- "Just a minute" time yourself for 60 seconds. Can you talk about this topic or explain it to someone else without stopping for a whole minute?
- Draw images/symbols to represent the different concepts and vocabulary
- Teach someone else about this topic. Research suggests we retain even more information when we teach a topic than when we learn it or revise it.

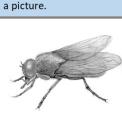
Tier 2 Vocabulary – General academic vocabulary for success across all subjects

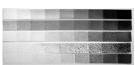


"The limits of my language are the limits of my world" - Ludwig Wittgenstein



List 1		List 2		List 3	
accelerate (v)	speed up	Hypothesis (n)	prediction	precise (adj)	exact
arbitrary (adj)	random	illustrate (v)	show	principle (n)	Belief
assert (v)	state/claim	implicit (adj)	Something suggested but not directly said	proceed (v)	go ahead
authorise (v)	give permission	inhibit (v)	prevent	pursue (v)	go after
conceive (v)	think	innovation (n)	new invention	react (v)	respond
context (n)	setting	method (n)	approach	region (n)	area
contribute (v)	add to	modify (v)	change	require (v)	need
denote (v)	stand for	notion (n)	idea	restrict (v)	limit
distinct (adj)	Different/ separate	obtain (v)	get	shift (v)/(n)	change
establish (v)	set up	passive (adj)	not active	subsequent (adj)	coming after
entity (n)	a thing/ a being	perspective (n)	viewpoint	transmit (v)	Communicate/ send
feasible (adj)	possible	phenomenon (n)	Remarkable thing	verbal (adj)	spoken
fluctuate (v)	vary/change	precede (v)	go before	verify (v)	check











Scan this QR

code to find out

interesting facts

about bugs and

insects

Insect	Insects have a chitinous exoskeleton, a three- part body (head, thorax and abdomen), three pairs of jointed legs, compound eyes and one pair of antennae. Insects are the most diverse group of animals.	
Tone	A tone is produced either by the mixture of a colour with grey, or by both tinting and shading.	
Line drawing	A drawing done using only narrow lines, without blocks of shading.	
Continuous line drawing	A drawing completed without taking your pen/pencil off the page.	
Mark Making	Different lines, patterns, and textures we create in a piece of art. It applies to any art material on any surface, not only paint on canvas or pencil on paper.	
Mono printing	A form of printmaking that has lines or images that can only be made once, unlike most printmaking, which allows for multiple originals.	
Mixed Media	A term used to describe artworks composed from a combination of different media or materials.	
Needle eye	The narrow opening at the top of the needle	
Pattern cutting	The process of turning a design into a piece of fabric. However, before a design is made into a three-dimensional (3D) fabric, it is usually made on two-dimensional (2D) paper. In simple words, just imagine what you are wearing right now and think of it as a design that was first	

Yumi Okita

LYMM

Yumi Okita is a North Carolina based artist who creates beautiful textile sculptures with various textiles and embroidery techniques. The pieces are quite large and measure to almost a foot wide and contain other techniques like painting the feathers and using false fur.







What makes a successful artist research page?

You must include:

- Artists name (title)
- · Imagery of the artists work
- Annotation and your own opinion (facts about the artist as well as analysing the artists work)
- · Your own drawings or 'mini studies' of the artists work.
- Consider presentation of your page. Try to make your page reflect the artists style (through use of colour or even media you choose to use).

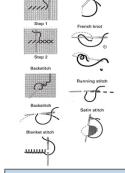
Mr Finch

About | Mister Finch (mister-finch.com)

- Professional artist
- Born in Warrington, lives in Stafford.
- Flowers, insects and birds really fascinate him.
- Most of his work uses recycled materials.



Embroidery	the craft of decorating fabric or other materials using a needle to apply thread or yarn. <i>Embroidery</i> may also incorporate other materials such as pearls, beads, quills, and sequins.
Embellishment	is a decorative detail or feature added to something to make it more attractive.
2D	Two dimensional: Having or appearing to have length and breadth but no depth.
3D	Three dimensional: Having or appearing to have length, breadth, and depth.



Scan below to view how to do basic embroidery stitches.

Drawing with wire examples





made on paper and, later, turned into a fabric.





Places of interest to visit

- Chester Zoo Butterfly house
- World Museum -Liverpool
- Manchester Museum



Mixed Media The use of two or more media together. Annotation A note by way of explanation or comment added to a text or diagram. Be able to comment on a piece of artwork and understand how that piece of **Artistic Independence** art work has been created. Identifying what materials have been used and the stages of creation.

Recording from Observation **Primary source** observational drawing: drawing something real in front of you. Secondary source observational drawing: drawing something from a picture.

Art/

Drama Music

Culture

Rituals

Orang

Red-Orang

Food

Faith/

Religion

Colour

Theory: When

mixing and

blending

colours

creating

for your

work. Do

not forget

the colour

wheel.

colour palettes

and

Behaviou

lue-Green

Grades of Pencils Pencils come in different grades. The softer the pencil the darker the tone.

H = hard, B = black (soft)In Art the most useful pencils are B, 2B and 4B. If your pencil has no grade it is likely to be an HB (hard black in the middle of the scale)

HB Customs

Culture	The ideas, customs, and social behaviour of a particular people or society.
Tone	A tone is produced either by the mixture of a colour with grey, or by both tinting and shading.
Shade	The mixture of a colour with black, which increases darkness.

Snade	increases darkness.
Tint The mixture of a colour with white, increases lightness	
Mark making	Different lines, patterns, and textures we create in a piece of art. It applies to any art material on any surface, not only paint on canvas or pencil on paper.
Composition	The position and layout of shapes on the

prosperity, growth and luck.

Blue- Violet Violet Red- Violet	making	create in a piece of art. It applies to any art material on any surface, not only paint on canvas or pencil on paper.
	Composition	The position and layout of shapes on the paper
primary analogous hue	Pattern	A series of shapes and lines put together to make a decorative image. Patterns are often inspired by shapes in their environment.
secondary complementary tied	Rangoli	Designed to be symmetrical. They combine straight lines, curved lines and images like flowers and other things from nature. The symmetry of the designs in a symbol of



https://wintercroft.com/

. In 2013, he left the surf industry to launch Wintercroft, an environmentally conscious design company specialising in helping people make Masks from waste card.

Iain Macarthur

lain Macarthur | Animals, Character, Commercial, Food and Drink, Portraiture and Celebrities | JSR Agency

- · A illustrator based in South London, known for his mixture of intricate patterns and wildlife elements.
- · First ever comic I looked at was the Batman series. Since then I've been obsessed with drawing odd fantasy drawings and anime characters.



must:

- (drawings/photograp hs) as starting points.
- Use artists styles to inspire you.
- composition.
- Try and test every section of your piece before you create it.

When designing a piece of artwork you

- · Use primary research
- Be creative with

Remember:

Dotted/dash Line = Mountain

Dotted Line = Valley

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Diwali (festival of Light)

· Learn more about this by scanning the QR code





)esign and lechnology

Year 8 Material Focus: Metals Types of Metals..

Scan the QR code to learn where metal comes from.....



FERROUS METALS:

Metals that contain iron and are magnetic. They are prone to rust.

NAME	PROPERTIES	USES
Mild Steel	Tough. High tensile strength. Can be case hardened. Rusts very easily.	Most common metal used in school workshops. Used in general metal products and engineering.
Carbon Steel	Carbon Steel Tough. Can be hardened and tempered.	Cutting tools such as drills.
Stainless steel	Stainless steel Tough, resistant to rust and stains.	Cutlery, medical instruments.
Cast iron	Strong but brittle. Compressive strength very high.	Castings, manhole covers, engines.
Wrought iron	Wrought iron Fibrous, tough, ductile, resistant to rusting.	Ornamental gates and railings. Not in much use today.

NON-FERROUS METALS:

Metals that do not contain iron and are not magnetic. They do not rust.

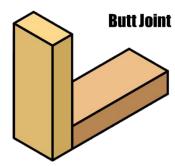
NAME	COLOUR	PROPERTIES	USES
Aluminium Light grey	Light grey	Ductile, soft, malleable, machines well. Very light.	Ductile, soft, malleable, machines Window frames, aircraft, kitchen ware. well. Very light.
Copper	Reddish brown	Ductile, can be beaten into shape. Conducts electricity and heat.	Reddish brown Ductile, can be beaten into shape. Electrical wiring, tubing, kettles, bowls, Conducts electricity and heat. pipes.
Brass	Yellow	Hard. Casts and machines well. Surface tarnishes. Conducts electricity.	Parts for electrical fittings, ornaments.
Silver	Whitish grey	Ductile, Malleable, solders, resists Jewellery, solder, ornaments. corrosion.	Jewellery, solder, ornaments.
Lead	Bluish grey	Soft, heavy, ductile, loses its shape Solders, pipes, batteries, roofing. under pressure.	Solders, pipes, batteries, roofing.

ALLOYS:

brass is a mixture of copper and zinc. Alloys can also be classified as ferrous or non-ferrous. Alloys are mixtures of metal with an element to improve its properties or aesthetic. For example

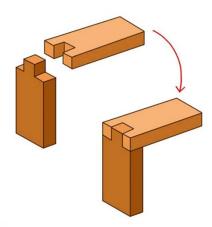
Solder Grey	Pewter [Brass (NAME COLOUR	
Grey	Dark grey	Gold	COLOUR	
An alloy of 60 per cent tin and 40 per cent lead, it has a low melting point (approximately 200°C), and is electrically conductive making it ideal for circuit manufacture	Made up of tin (approximately 90 per cent), antimony (7 per cent) and other metals such as copper or bismuth, it has a low melting point (approximately 200°C), often used to make jewellery, candlesticks, outside light fixtures or tankards	An alloy of copper and zinc, can be cast and machined, used for musical instruments and ornamental hardware	PROPERTIES & USES	

Wood Joints Frame/Box Joints.....



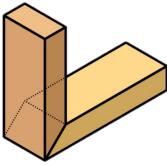
A **butt joint** is a technique in which two pieces of material are joined by simply placing their ends together without any special shaping. A butt joint can be strengthened with dowels, nails and screws.

Comb/Finger Joint



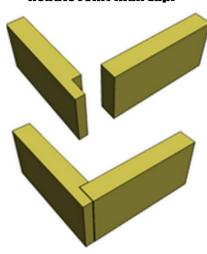
A finger joint, also known as a comb joint, is a woodworking joint made by cutting a set of complementary, interlocking profiles in two pieces of wood, which are then glued. The cross-section of the joint resembles the interlocking of fingers between two hands, hence the name "finger joint"

Mitre Joint



A mitre joint is a joint made by cutting each of two parts to be joined, across the main surface, usually at a 45° angle, to form a corner, usually to form a 90° angle, though it can comprise any angle greater than 0 degrees.

Rebate Joint (Half Lap)



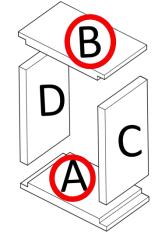
The rebate joint is a very similar to the butt joint but the big difference between the two is that one of the ends of the timber has a groove cut out of it to create much better holding strength.

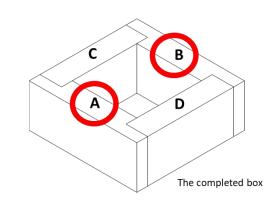
Measurements for Manufacturing the Rebate Joint (Half Lap Joint)



2mm gap should be left for the saw cut

All dimensions in mm

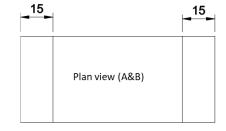




Rebate Joint (Half Lap Joint)



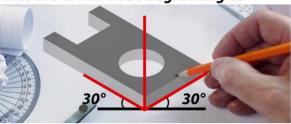






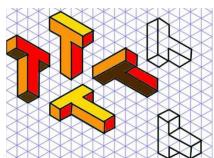
Isometric Drawing.....

axes are drawn so that the two horizontal axes are drawn at 30 degree angles



Scan the QR code to learn how to draw simple shapes in isometric.....





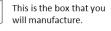
Exploded Isometric......

Exploded views

Exploded drawings are extremely useful when explaining a design / idea. The drawing opposite is a design for an educational toy (for a young child) has been drawn with all the parts disassembled. It is important when drawing an exploded view that all the parts line up with each other when disassembled. The vertical guidelines clearly show how the various parts are in line with each other. If an exploded drawing is constructed properly anyone looking at the drawing should be able to see how the various parts go together to form the finished design/object.

Scan the QR code to learn how to draw simple shapes in exploded isometric.....

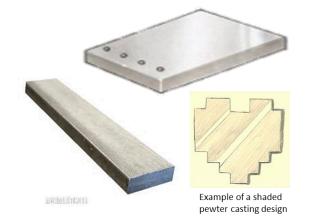




Shading an object to look like wood....

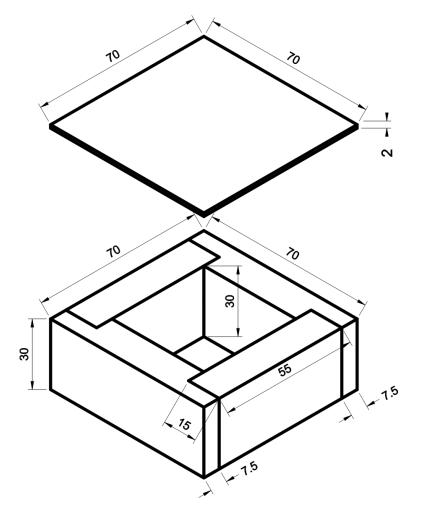


Shading an object to look like metal....



Exploded Isometric Drawing of Box

Draw the box in an isometric projection. Use the dimensions given on the drawing. Use isometric paper, a ruler and a pencil to complete the drawing accurately.



All dimensions in mm

Stages of Pewter Casting....

Manufacturing Processes

& hack Cut the pewter ingot into small pieces metal vice



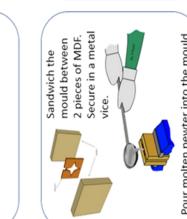
Place pewter ingots in the ladle and

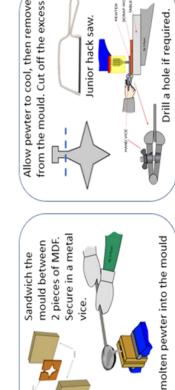
with a gas torch or

heat the pewter

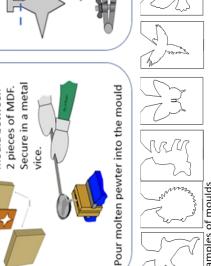
heat gun. Melt the pewter.

mould by hand or by using CAD/CAM.





unior hack



Smooth the surfaces and the edges with

emery cloth & wet and dry paper.

a hole if required

Drill

Manufacturing Processes

CAD/CAM (Computer Aided Design/Computer Aided Manufacture)







Scan the QR code to learn how laser cutters

A drawing is sent from a CAD program such as 2D Design, to the laser cutter.

A laser cutter can cut through acrylic, laser plywood and some metals.

Tools and Equipment......











Manufacturing Processes

CAD/CAM

Select - to select

multiple items hold

down SHIFT on the

the lines you want

Draw a Circle -

click to place the

center, and then

click to place a

circumference.

Double click to set

Draw a Rectangle –

click to place a

corner, and then

click to place the

point on the

the radius.

keyboard and click

(Computer Aided Design/Computer Aided Manufacture) (DESIGN)

TechSoft Design Too

Draw

File Edit

SELECT A TOOL

Abs

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ABC 🙌

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CAD 2D Design....

The drawing tools are all located on the right hand side of your screen. At the top of your screen here, you will also find the default 'File,' 'Open' and 'Save' buttons.

Remember that 2D Design defaults to mm. If you want to use cm, type cm after a specific value.

Straight line tool – click to place the start of the line, click to place end of line. Double click to set a specific length.

Curved line tool - click to place the start of the line, click to place the first bend, second bend, etc. and right click to finish the line

Fill-select the area you want to fill. 'Are there any islands?' Click 'Yes' if you don't want to fill these in, or 'No' if you do.

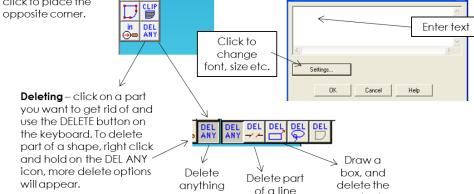


Dimensions – Click at the beginning of where you want to measure, then again at the end. This will give you the measurement in millimeters.

contents

Text - click to place text. The box below appears

Text Entry





Your arid tools are all located on the left hand side of your screen.

Lock to grid - Keep this on to keep your lines straight and < measurements accurate

Attach - Use this tool to attach one point directly to another

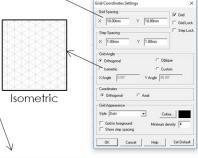
Zoom in/Out

Undo - Undo or Delete your last move.

Remember: You can only undo one last step!

GRID STEP LOCK LOCK Q last media ⊕ □ □ □ all selec Isometric UNDO DEL LAST -

Grid – The arid dots can be present or you can turn them off. Double click and you can change the spacing of the dots. The default is 10mm. You can also change the grid from orthogonal to isometric.



Radial Lock – Allows you to draw straight lines when not attached to the arid.

Using the ARC TOOL



Click on the Arc button. When drawing an arc tool it needs three points, a start, middle and an

Click once onto the drawing screen move the pointer up there will be a straight line. Click again move the pointer to the end of the arc click once and the arc will be created.

Create the drawing as shown.

Remember to use the delete part, arc, circle and group functions.



⊕

Using the ATTACH TOOL

The Attach tool allows you to connect a drawing to a point on the screen.

- 1. Draw a rectangle
- 2. Press the attach button
- 3. Press the line button
- 4. Move near the rectangle and click, the tool will attach your line to the rectangle.

Using the GROUP TOOL

To group the lines together, select Edit from the main tool bar and click on Group. This combines all four lines into one object.





Group - Grouping an object makes it easier to move around and to resize. Use the quick group tool to group and ungroup a collection of objects.

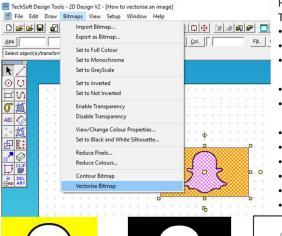
Manufacturing Processes

CAD/CAM

(Computer Aided Design/Computer Aided Manufacture)



How to vectorise an image.....



Find an image that you would like to use To **vectorise**, follow the instructions:

- Go to Bitmaps
- Vectorise Bitmap
 - A hand will appear, use this to select the image
 - Set to Monochrome
 - Slide the luminance bar to get the best quality image
 - Then select OK
 - · Then select OK again
 - Select the object
 - Select Fill at the top (next to col)
 - · Select 'No Fill'
 - Select OK





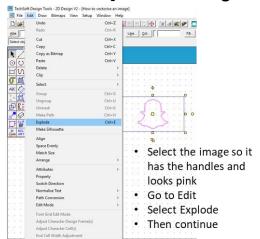
1. Bitmap Image

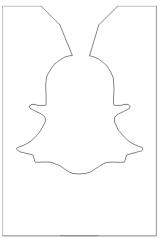
2. Vectorised Image

3. Outline Image with no 'fill'

4. Parts of image deleted to create a silhouette

How to delete parts of an image.....





Re-size your image to fit into the template that your teacher has given you. You have successfully drawn the design for your mould.

Key 'Golden' Themes Fair or just behaviour or treatment for all. "A concern for justice, peace, and genuine Justice respect for people" Synonyms: fairness, justness, equity, impartiality, objectivity, neutrality, integrity, righteousness, ethics, morals, morality, virtue, principled. A serious disagreement or argument. Conflict Synonyms: contradictory, incompatible, inconsistent, irreconcilable, incongruous, contrary, opposing, discordant, differing, different, divergent, discrepant, varying, disagreeing Prejudice Preconceived opinion that is not based on reason or actual experience. Examples of prejudice: Racism, sexism, ageism, classism, homophobia, religious prejudice, xenophobia. **Power** The capacity or ability to direct or influence the behaviour of others or the course of events.

21st Century Teenager

A short amusing or interesting story about a real incident or person. Repetition of a word or expression at the beginning of successive phrases, clauses or sentences for rhetorical effect.

Posing a question to the audience and then answering that question in your speech or writing.

The art of speaking or writing persuasively.

A short, pithy statement expressing a general truth or rule of conduct.

The repetition of the word from the end of one sentence to the beginning of the next.

The removal of conjunctions from a list. E.g. "A parson was laboring over the crest of the hill and coming toward them with one hand raised in blessing, greeting, fending flies." The additions of conjunctions in writing, such as 'and', 'or', and 'but' used in close

succession, to suggest your listed ideas have equal importance.

A mild or indirect word or expression substituted for one considered to be too harsh or blunt.

Two or more elements of a sentence (or series of sentences) have the same grammatical structure. These "parallel" elements can be used to intensify the rhythm of language, or to draw a comparison, emphasize, or elaborate on an idea. e.g. "it was the best of times, it was the worst of times".

which the grammar of one phrase is inverted in the following phrase, such that two key concepts from the original phrase reappear in the second phrase in inverted order. E.g.

"She has all my love; my heart belongs to her," Cause to feel or show inclination or prejudice for or against someone or something.

the state of being equal, especially in status, rights, and opportunities.

Morality

Equality

principles concerning the distinction between right and wrong or good and bad behaviour. Synonyms: ethics, principles, scruples

Chiasmus

Bias

Satire

Irony

Activism

change.

Key Terminology

Rhetoric

Anecdote

Anaphora

Hypophora

Anadiplosis

Asyndeton

Polysyndeton

Euphemism

Parallelism

Maxim

The quality of being based on or influenced by personal feelings, tastes, or opinions. Subjectivity

The concept of truth independent from individual subjectivity (bias caused by one's Objectivity perception, emotions, or imagination).

> The use of humour, irony, exaggeration, or ridicule to expose and criticize people's stupidity or vices.

> The expression of one's meaning by using language that normally signifies the opposite, typically for humorous or emphatic effect. The policy or action of using vigorous campaigning to bring about political or social

Context

Racism in Sport



The massive increase in the visibility and popularity of sports over the past century, thanks to television, radio and the internet, has intensified the way that fans relate to players as local and national representatives. Athletes become the face of a nation, and many of us pin patriotic hopes, fears and frustrations on them. Research has shown that when visibly diverse teams lose, existing exclusionary and racist nationalist undercurrents rise to the surface, manifesting as denial that players of colour belong to the nation. If the team is not "us", then "we" didn't lose.

In internet slang, a troll is a person who posts inflammatory, insincere, digressive, extraneous, or off-topic messages in an online community, with the intent of provoking readers into displaying emotional responses or manipulating others' perception.



Gender Identity



Gender identity is a way to describe how someone feels about their gender. Some people may identify as a boy or a girl, while others may find neither of these terms feel right for them, and identify as neither or somewhere in the middle. Although people often confuse them, gender identity is different from someone's biological sex or assigned gender at birth.

While many people identify with the gender they were assigned at birth, for others gender is more of a spectrum, with lots of different possible identities. Gender expression is how someone chooses to express their gender identity.

Transgender: when someone feels their gender is different from the gender they were assigned at birth.

Non-binary: someone doesn't identify as either male or female. They could identify as both, or neither.

Cisgender: when someone's gender identity is the same as the gender they were assigned at birth.

An online movement started as a reaction to the online abuse and scrutiny suffered by celebrities and which has led, at times, to tragic and untimely death. This movement can also be applied to non-celebrities, and used to transform behaviour at a community level by educating young people to spread kindness.

"In a world where you can be anything, be kind,"

#BeKind



Nuclear Weapons



A nuclear weapon (also known as an atom bomb, atomic bomb, nuclear bomb or nuclear warhead, is an explosive device that derives its destructive force from <u>nuclear reactions</u>, either <u>fission</u> or a combination of fission and <u>fusion</u> reactions. A nuclear device no larger than a conventional bomb can devastate an entire city by blast, fire, and <u>radiation</u>. Since they are <u>weapons of mass destruction</u>, the proliferation of nuclear weapons is a focus of international relations policy.

Aristotle - Rhetoric

The 'Art of Rhetoric' is the ability to persuade your audience by exploiting figures of speech and rhetorical techniques. Aristotle identified three kinds of rhetoric - deliberative, judicial, and epideictic.

 Deliberative: focuses on the future. It's the rhetoric of politicians debating a new law by imagining what effect it might have, and it's also the rhetoric of activists urging change.

 Judicial: speech or writing that considers the justice or injustice of a certain charge or accusation.

 Epideictic: ceremonial discourse: speech or writing that praises or blames (someone or something).

Aristotle said rhetoric is: "the faculty of discovering in any particular case all of the available means of persuasion."

Key Concepts

Ethos



The character or emotions of a speaker or writer that are expressed in the attempt to persuade an audience.

Logos



The means of persuasion by demonstration of logical proof or reasoning that is real or apparent.

Pathos



The means of persuasion that appeals to the emotions of an audience.



YEAR 8 TAINTED LOVE POETRY



Structure and form	Definition
Stanza	A 'verse' in a poem.
Enjambment	A sentence or phrase that runs onto the next line.
Anaphora	When the first word of a stanza is the same across different stanzas.
Juxtaposition	Two ideas/images placed together for contrasting effect.
Speaker	The narrator, or person in the poem.
Refrain	A phrase, line or group of lines which is repeated throughout a poem.
Quatrain	A 4 line stanza of poetry
Rhyming Couplet	A rhyming pair of successive lines of verse, typically of the same length
Sonnet	A poem composed of 14 lines
Dramatic Monologue	A poem in the form of a speech or narrative by an imagined person, in which the speaker inadvertently reveals aspects of their character while describing a particular situation or series of events

Key Themes		Definition	Synonym
Obsession	©	The state of being obsessed with someone or something.	Infatuated, fixated
Jealousy		The state or feeling of being jealous .	Envious, covetous
Objectification	(2)	the action of degrading someone to the status of an object.	Degrade
Rejection	\$	The act of dismissing or refusing love.	Refuse, decline, dismiss
Power	#	Having or exerting an influence over someone.	Authority, command, supremacy
Control		The power to influence or direct people's behaviour or a relationship	Abuse, exploit, manipulate
Unrequited	(G)	Love that is one sided , and not reciprocated.	Unanswered, unreciprocated

Word class	Definition			
Verb	A verb is a word or set of words that shows action (<i>runs, is going, has been painting</i>); feeling (<i>loves, envies</i>); or state of being (<i>am, are, is, have been, was, seem</i>)			
Adverb	An adverb labels how, when or where something happens (and they often end in '¬y').			
Noun Nouns are names, places and things; they also signify imagi things like 'a ghost'; and ideas or concepts, such as 'love', 'g 'fate'.				
Pronoun Words used instead of a noun i.e. 'he', 'she', 'they', 'it'.				
Adjective	An adjective is a describing word or phrase that adds qualities to a noun. It normally comes before a noun, or after verbs like 'am', 'is', 'was', 'appears' or 'seems'.			
Preposition	Prepositions are short words and phrases that give information about place, time and manner			
Intensifier	A word, especially an adverb or adjective, that has littlemeaning itself but is used to add emphasis to anotheradjective, verb, or adverb.			
Minimiser	A word that is used to make another adjective, verb or adverb sound lesser.			

Poetic Techniques	Definition
Symbolism	When an object represents an idea that is much deeper and more significant.
Personification	Describing an inanimate object as having human feelings.
Metaphor	A descriptive technique that names a person, thing or action as something else.
Simile	A descriptive technique that compares one thing with another, usually using 'as' or 'like'.
Listing	When the writer includes several words/ phrases/ideas, one after the other.
Repetition	When a word/phrase is noticeably repeated throughout a sentence/paragraph/whole text.
Imagery	A technique in which the author appeals to the senses i.e. seeing, hearing, touching.
Conceit	A fanciful metaphor, especially a highly elaborate or extended metaphor in which an unlikely, far-fetched, or strained comparison is made between two things.
Extended Metaphor	A metaphor that is extended throughout a poem.
Semantic Field	A set of semantically or thematically linked words.
Alliteration	The occurrence of the same letter or sound at the beginning of adjacent or closely connected words
Plosive alliteration	The alliteration of 'explosive' letters: B, D, P, T
Sibilance	The alliteration of the letter S to produce a hissing sound.
Pathetic Fallacy	The use of weather imagery that reflects the mood of the poem.
Assonance	The repetition of the sound of a vowel in adjacent words.

Petrarch



1304-1374 - Early Renaissance

Scholar and poet of early Renaissance Italy, and one of the earliest humanists. His collections of poems addressed to Laura, an idealized beloved, contributed to the lyrical poetry of the Renaissance period. He is credited with the creation of the Petrarchan Sonnet a 14 line poem divided into octave (first 8 lines) and sestet (final 6 lines), with a Volta (change) between.





1932-1963 - Modern Era

One of the most dynamic and admired 'confessional' poets of the 20th century who attempted to catalogue despair, violent emotion, and obsession, Oates described Plath as "one of the most celebrated and controversial of postwar poets." Intensely autobiographical, Plath's poems explore her own mental anguish, her turbulent marriage, and unresolved conflicts. She was a woman driven to madness by patriarchal control and expectations of her.

Shakespeare



1564-1616 - Renaissance Period (Elizabethan and Jacobean)

English playwright, poet and actor. He is widely regarded as the greatest writer in the English Language. Alongside many plays, Shakespeare composed 154 sonnets and is credited with the creation of the Shakespearean Sonnet - a 14 line poem that is made up of 12 lines of verse followed by a rhyming couplet.



1640-1689 - Renaissance

After Behn's husband died and she was left in poverty (put into debtors prison because of money borrowed that she was unable to pay back) Behn vowed never to be financially dependent again and began to write in order to achieve financial security. Her contemporary reputation was founded primarily on her "scandalous" plays, which she claimed would not have been criticized for impropriety had a man written them.

Byron



1788-1825 - Romanticism

British Romantic poet and satirist whose poetry and personality captured the imagination of Europe. As a leader of the Romantic Era's poetic revolution, he led demands and calls for freedom for the people oppressed by the Industrialisation of England, particularly those of the lower echelons who were silenced by government control.

Browning



1812-1889 – The Victorian Era

Browning established himself as a celebrated poet through the form of dramatic monologue – a style of poem in the form of a speech or story-like narrative by an imagined person. In his later life he became thought of as a Victorian sage—widely regarded for his knowledge and his explorations of philosophical questions of great resonance in Victorian life.



Duffv

1955 - onwards - Post-Modern Era

Duffy is best known for writing love poems that often take the form of monologues, typically "spoken in the voices of the urban disaffected, people on the margins of society who harbour resentments and grudges against the world." Duffy's poetry is considered powerfully feminist. She became Poet Laureate in 2009.

Wetzesteon



1967 - 2009 - Post-Modern Era

Celebrated as a hard-edged yet graceful poet whose poems are rich with feeling yet unsentimental. Exploring emotions such as anger, melancholy, hope, and comic throughout, they explore the sensibilities of women as they fall in and out of love.

Young

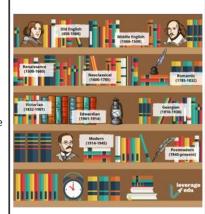


1970 - onwards - Post-Modern Era

Young is considered as a profound and elegant poet, with mastery of the song-like qualities of poetry.

His poetry has been celebrated as 'compelling' and 'authentic'.

Important periods in literary history.



1. Food Hygiene

What is food hygiene?

Food hygiene is about preventing food poisoning. Food poisoning bacteria grow very quickly in food if it is not handled properly, cooked properly or stored properly.

There are laws which control how food manufacturers can prepare and sell food. Statistics show that you are more likely to get food poisoning from a home -made meal than you are from a bought one.

Food poisoning

The illness resulting from eating food or drinking food/drinks containing poisonous substances including bacteria, <u>viruses</u>, pesticides, or toxins.

Usually need millions of bacteria to cause a food poisoning illness.

The multiplication of bacteria within the food plays an important part in the disease How bacteria grow

In ideal conditions where there is Moisture, Food and Warmth (37degrees centigrade is ideal), bacteria can double every 10 to 20 minutes. They do this by dividing in to two. This is called *Binary Fission*

In order to grow and multiply germs need:

- Time
- Moisture
- food
- Warmth





Food poisoning is more likely to affect people with lowered resistance to disease than healthy people who might show mild symptoms or none at all.

Food poisoning is more likely to affect people with lowered resistance to disease than healthy people who might show mild symptoms or none at all.

Vulnerable people

The following are particularly vulnerable to food poisoning: -

- Elderly or sick people
- Babies
- Young children
- Pregnant women

Pathogenic Bacteria	Source	Symptoms	Average Onset Time
Salmonella	Raw meat Poultry and eggs Pests and pets Human and animal intestines Dirt and refuse	Vomiting Nausea Diarrhoea Abdominal pain	12 - 36 hours after eating
Staphylococ cus aureus	Human nose, throat, ears, skin Septic wounds Animals and raw milk	Vomiting Abdominal pain Low temperature	1 – 7 hours after eating
Clostridium perfingens	Raw meat and poultry Soil, dirt and refuse Raw vegetables Pests and pets Human and animal intestines	Diarrhoea Abdominal pain	12 - 18 hours after eating
Clostridium botulinum	Soil Marine sediment Raw fish and meat Animal intestines	Paralysis Breathing and swallowing difficulty Diarrhoea followed by constipation	12 – 36 hours after eating
Bacillus cereus	Dust and soil Cereal, rice and pasta	Nausea Vomiting Abdominal pain Diarrhoea	1 - 5 hours or 8 –16 hours depending on the form of the food poisoning

High risk foods

These foods tend to be high in protein and are moisture. They can include food like: raw and cooked **meat**, including **poultry** such as chicken and turkey, and foods containing these, such as **casseroles**, curries and lasagne. **dairy products**, such as custard and dairy-based desserts like custard tarts and cheesecake. eggs and egg products, such as quiche. smallgoods such as hams and salamis.

Core temperatures:

The 4C's for Good Food Safety

- Cooking
- Cleaning
- Chilling
- Cross contamination



Food Hygiene and Safety:

Before Cooking:

- Put your apron on
- Roll your sleeves up
- 3. If you have long hair tie it back with a bobble
- Wash your hands with warm and soapy water
- 5. Dry your hands moisture harbours bacteria

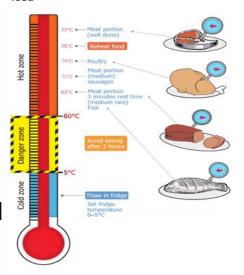
When Using The Cooker:

- Turn pan handles in away from edge of cooker
- 2. Always turn hob off when not in use
- Never leave food cooking on the hob unattended
- 4. Be careful not to let food boil dry
- Never touch an electric hob when turned off, it may still be hot
- Don't leave metal spoons in pans when cooking as they can become very hot.
- Always use oven gloves when removing food from the oven

The Tidy Tick List:

You should work as a team to make the food room clean and sparkling!

- ✓ Clean and dry dishes
- ✓ No streaks and residue left on the glass bowls
- ✓Clean dry work surfaces
- √Clean sparkling hobs
- ✓ Clean cupboard doors and drawers
- ✓ Clean and dry sinks with no suds or residue food



2. Commodities - Meat, Poultry,

MEAT. Meat is an important food commodity which provides nutrients essential for health. It is the muscle tissues of dead animals and birds are classified as meat and poultry, whereas the edible internal organs are called Offal. Game refers to wild animals

		Bans are canca on all outre refers to wild animals						
	Beef British reared breeds such as Aberdeen Angus, Longhorn and Hereford have traditionally been considered to provide the best beef in the world.							
<u>Or</u>	ganic Beef	Organic beef and beef from rare breeds, is the most expensive to buy as the highest farming standards will have been needed at all stages of the animal's life.						
V	Vagu Beef	Wagu meat comes from a group of Japanese breeds whose meat is renowned for its high level of fat marbling.						
	<u>Vea</u> l	Veal meat comes from the male calves of cows bred for dairy, slaughtered when they are a few months old.						
Meat from sheep		Lamb is sheep under one-year-old. Hogget is a lamb older than one year. Mutton is the meat of older sheep.						
<u>Pork</u>		This is all the meat that comes from pigs. To add extra choice pork can be cured and smoked.						
_∽ Ham		This is a specific cut of the thigh part of the pig which has been cured and or salted.						
om Pig		This is produced by curing pork with salt or in brine solution. After maturing it is sold as unsmoked bacon. It can be smoked to add extra flavour to the bacon. The meat is usually darker in colour and has a distinctive flavour.						
leat from	Gammon	This is cured whole leg of pork. It is cut into slices and eaten hot as gammon steaks. It could be eaten cold as ham. Some hams may be cured and smoked such as 'honey roast'. This adds a distinctive flavour and extends the shelf-life of the						

Other sources of meat can include:

product.

Horsemeat	
Goat	
Rabbit	
Venison	





Offal: Meat is the edible internal organs are called Offal

Know your fish cuts



Suprême

Paupiette

Gougons

3. Commodities Fish

Classifi cation	Туре	Examples
White	White fish have less than 5 per cent fat (oil) in their flesh, which is why their flesh appears white. Instead, they have oil in their liver. Examples of white fish are: cod, haddock, halibut, whiting, coley, plaice and Dover sole. White fish are round (e.g. cod, haddock and whiting) or flat (e.g. plaice and sole).	*
Oily	have between 10 and 20 per cent fat (oil) in their flesh, which makes their flesh quite dark. Examples of oily fish are mackerel, herring, pilchard, sprat, sardines and salmon.	
Shell	Shell fish are found in the sea. Shellfish are divided into: Crustaceans — these have a shell and legs. Examples include prawns, scampi, lobster, and crab. Molluscs — these have a shell but no legs and they often fix themselves to rocks. Examples include cockles, mussels, winkles and oysters. Squid and Octopus - are also classed as molluscs—even though their shell is inside! Fish produced in fresh water include trout and carp	

Ways of preserving fish. Salting - If enough salt is used, then the fish may keep for up to a year.

Smoking - Fish can be smoked using different techniques. Hot smoked fish are moist, lightly salted and fully cooked. They can be eaten without further cooking. Cold smoked fish are generally saltier in flavour and have less moisture. Cold smoking does not cook the fish. It merely adds a smoked flavour. Smoked fish and salted fish such as kippers and bloaters should have a firm flesh, shiny skin and a good 'smoky' smell. Pickling - Pickling fish was originally conceived as a way to preserve it. It is a common technique in Scandinavia.

Pickling is now used widely to

add flavour and sharpness. Canning - Produces a moist, flaky product and makes the bones edible. Oily fish and shellfish such as tuna, salmon, and prawns can be canned in brine, tomato sauce or oil which adds flavour to the fish.

Drying - Fish are laid out to be dried.

Freezing - Packaged in blocks or freeze in water brushing glaze on top.

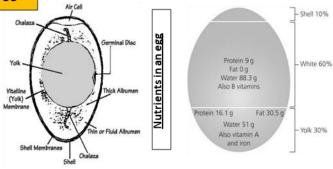
Cuts of fish:

Large fish (e.g. cod, coley, haddock) are cut into fillets, steaks or cutlets. Small and medium fish (e.g. herrings, mackerel, rainbow trout) are usually sold whole and can be filleted by removing the backbone, tail, head and fins8 Very small fish (e.g. sprats and whitebait) can be fried and eaten whole.

4. Commodities Eggs

Eggs are an important food commodity which provides nutrients essential for health. Eggs provide a variety of different textures, colours and flavours to dishes. Eggs can be used in a variety of different

ways.



Organic	These are more expensive as hens have to have access to organic land and eat an organic diet.
Free Range:	The hens are reared in large barns with daytime access to outside runs. There are no feeding guidelines (by products and GM foods to increase productivity and profit margins)
Barn:	The hens are reared in barns with no outside access. They are provided with perches, platforms, nest boxes and litter areas. Areas can be quite crowded with up to 16,000 hens in a barn—depends on the keeper.
Caged;	This makes up approximately 78% of the market. Hens are crammed into a cage so small they can't stretch their wings. The space they have is about the size of an A4 (this page) piece of paper. They cannot follow their natural behavior patterns. Their bodies suffer through lack of exercise. Birds can lay dead for days before they are taken out of the cage. Debeaking, brittle bones, tumors and pecking are common.

How to grade Eggs

All eggs sold at grocery stores must meet strict standards. Only those of high quality reach the consumer. Eggs must be checked for interior quality by candling, a process where eggs are passed over a strong light to show the shell and interior.

Grade A: Thick white Round, well centered yolk Small air cell (less than 5mm deep)Clean, un-cracked shell with normal shape

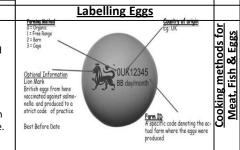
Grade B: Mostly used for commercial baking or go to hospitals, restaurants, etc. very few are sold at retail stores. Yolk is slightly flattened; white is thinner Shell is un-cracked and may have a rough texture; and/or be slightly soiled and stained.

Grade C: The lowest egg grade, these are used in the production of processed egg products only. They are not sold in retail stores Yolk is flattened and may be oblong in shape; white is thin and watery. Shell may be cracked and/or stained

Storing eggs

Eggs should be stored in the fridge or a cool place away from strong smelling foods. Eggs should be stored blunt end upwards. They should be removed an hour or so before use, because cold eggs do not whisk well.

Eggs stay in good condition if stored correctly for two to three weeks. Eggs cannot be frozen whole but the whites and yolks can be frozen separately in containers. Always use eggs by the best before date. Eggs can be preserved by pickling.



The structure of a hen's egg

The shell: consists of an outer cuticle (a transparent, protective coating, a true shell and inner membranes. The shell is porous (pores are tiny holes), and therefore allows the developing chick to obtain oxygen. At one end of the egg, the membranes separate into an air space, to supply the chick with oxygen.

The air space: increases in size as an egg gets older, because water is lost from the egg and air is drawn in. The fresher the egg, the smaller the air space. This is why fresh eggs sink in water and rotten eggs float.

The yolk: full of goodness (vitamins A, D, E & K) and has a higher concentration of protein than the white.

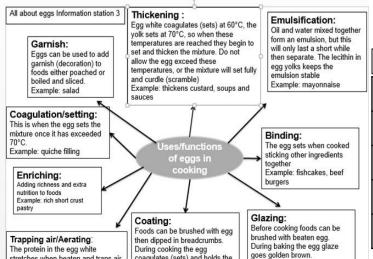
The white: contains riboflavin and other B vitamins and a small trace of fat The anchors/chalazae: white strands attached to the thick albumen which anchor the yolk in the middle of the egg.

Functions of eggs

stretches when beaten and traps air

Example: sponge cake and

meringues



coagulates (sets) and holds the

product together.

Example: fish cakes

Sizing Eggs

Size	Weig ht
SMALL	53g + under
MEDIUM	53-63g
LARGE	63-73g
EXTRA LARGE	73g+ over



READY TO EAT FOOD Such as dairy products, yoghurt & cream

Example: pasties, sausage rolls

READY TO EAT FOOD Such as cream cakes, butter, cooked meats, leftovers & other packaged food.

RAW MEAT. POULTRY & FISH Always cover & keep in sealed containers

SALAD, FRUIT & VEGETABLES Keep ready to eat fruit and vegetables in sealed bags or containers, always wash before use.

EU Law

Under EU law, all meat and poultry for human consumption has to show traceability. Under the law, traceability means the ability to track any food, feed, food-producing animal or substance that will be used for consumption through all stages of production, processing and distribution.

Red Tractor

The Red Tractor

logo gives information on where the food has been farmed, processed and packed. Food given to animals on farms displaying the Red Tractor logo is safe from them to eat with no risk of contamination to the meat or milk produced. The animals' health and welfare is regularly checked.

Farmers under this scheme must also use responsible farming methods not to pollute land and minimise the impact of their farming methods on wildlife, fauna Red Tractor DAGRY Farm Assurance FARMS

and flowers.





RSPCA Assured



Previously Freedom Food, this is the RSPCA's ethical food label dedicated to animal welfare. The RSPCA Assured label makes it easy to recognise products from animals that have had a better life. It is found on the packaging of meat and dairy products which have met animal welfare

Animal Welfare

There are symbols on packaging to show that meat and poultry have met welfare standards. Animal welfare refers to the well-being of animals and covers areas such as the animals' access to fresh water and a diet to maintain full health. It also gives assurance that animals are reared free of any discomfort, pain, injury or disease, and are provided with adequate shelter and a comfortable resting area.

5. Commodities - Milk

Milk is an important food commodity which provides nutrients essential for health. Milk is considered nature's most perfect food. A variety of different foods can be made from milk.

Milk is a pale liquid produced by the mammary glands of mammals. It is the primary source of nutrition for infant mammals (including humans who breastfeed)

How milk is used:

As a drink on its own or flavoured - for its nutritional content. Added to cereal to improve the nutritional content, it changes the texture

As an essential ingredient in batter, sauces and custards—it allows Gelatinisation., combining with egg to coagulate into a soft product. In baked products such as cakes, biscuits and bread, providing moisture to help them rise and produces a soft texture as it stops starch and fat clumping together.

The fat is separated from the rest of the milk to make cream

When acid is added it curdles and becomes solid or semi-solid, making cheese

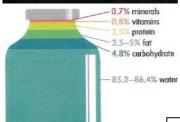
Cream is churned (moved around quickly—beaten) to make butter Yoghurt is fermented milk. A bacteria culture is added.

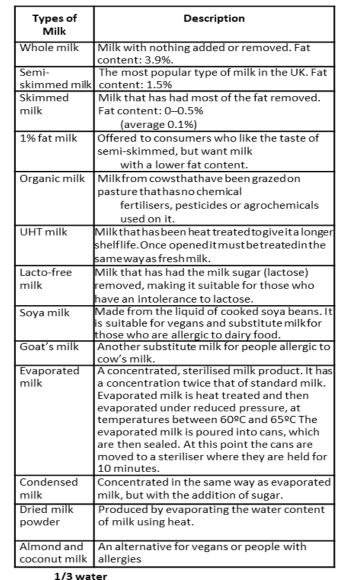
This breaks down the protein and makes it coagulate

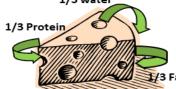
Where does Milk come from?

Milk can come from, a cow, a goat, a sheep and even a horse. Milk can also be made from sova beans, rice and wheat.









6. Commodities - Dairy **Produce**

Cheese can be described as a solid or semi-solid form of milk. It is sometimes referred to as a fermented dairy food. It is made from cows', ewes', goats' or buffalo milk.

Ways to preserve milk - Heat treatments Pasteurised A mild heat treatment. It only kills pathogenic bacteria to make it safe to drink. It extends the shelf life. It needs to be kept chilled. There is no change in flavour or nutritional value. The fat (cream) rises to the top.

UHT or Long life Milk is sterilised—heated to 100°C for 20 minutes to kill all bacteria. It also destroys the B vitamins. Milk is homogenised. Milk is packaged using aseptic packaging.

Evaporated Milk Evaporated milk is a concentrated, sterilised milk product. It has a concentration twice that of standard milk. The process of producing evaporated milk involves standardising, heat treating and evaporating the milk under reduced pressure, at temperatures between 60°C and 65°C. It is then homogenised and cooled. The evaporated milk is poured into cans, which are then sealed. At this point the cans are moved to a steriliser where they are held for 10 minutes. A cooling stage follows and the cans are then labelled and packed.

Condensed Milk Condensed milk is concentrated in the same way as evaporated milk, but with the addition of sugar. It is not sterlised but is preserved by the high concentration of sugar. It can be made from whole milk, semi skimmed or skimmed milk. The heat treatment used consists of holding standardised milk at a temperature of 110- 115°C for one to two minutes. The milk is then homogenised, the sugar added and the sweetened milk is then evaporated at low temperatures (between 55-60°C). The concentration of the condensed milk is now up to 3 times that of the original milk. The milk is then cooled rapidly to 30°C and packaged. Sweetened condensed milk is commonly used in the sugar Dried Milk Powder Milk powder is produced by evaporating the water from the milk using heat. The milk is homogenised, heat treated. Skimmed milk powder can be mixed easily with water; however whole milk isn't easily reconstituted due to its

Uses of Cheese

Cheese can:

- provide flavour (e.g. when making a white sauce adding cheese gives improved flavour)
- be used to make both sweet and savory dishes.
- provide colour (e.g. when sprinkled on top of dishes and grilled or baked it will turn an attractive brown colour)
- provide texture (e.g. when melted in can provide a soft, moist and stringy texture)
- increase the nutritional value of a dish

How should cream be stored:

All fresh cream must be stored in a refrigerator at 5'C. sterilised/long life/ UHT cream has a long shelf life and can be stored, unopened, in a kitchen cupboard. However once opened this cream must be treated the same as fresh cream.

6. Commodities - Dairy Produce

Soft cheeses have the most moisture

- Some soft cheeses are left to ripen such as Brie and Camembert
- Cottage cheese has a bacteria added to it that makes it clump together in lumps
- Ricotta is a soft whey cheese low in fat
 Moulds grow on the outside and help to soften the curds inside

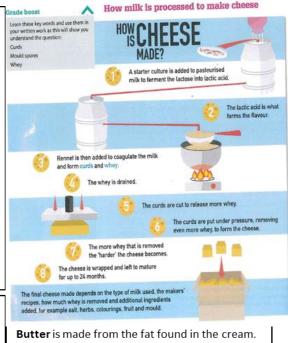
Semi- hard cheeses are 'pressed' cheeses - but not pressed as much as hard cheeses! are examples

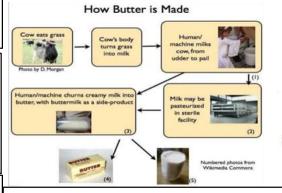
- Lancashire, Wensleydale, Caerphilly, Edam, Gouda Port Salut, St Paulin
- Feta cheese is preserved in a brine solution
- Mozzarella is a cheese that is cooked during its process. This gives it its stringy texture

Hard cheeses have the least moisture. Examples are: Cheddar, Leicester, Double Gloucester, Cheshire Gruyère, Emmental, Parmesan, Parmesan is the hardest cheese of

Cream is derived from the fat found in all fresh milk. Cream is the concentrated fat, which has been skimmed from the top of milk.

Types of cream: Single cream, Double cream, Whipping cream, Clotted cream, Ultra heat treated (UHT) cream. Cream is used to add a creamy texture and flavour to dishes. The correct cream must be used for specific tasks because different types of cream have different properties—for instance single and clotted creams cannot be whisked for pipping whereas whipping and double cream will aerate when whisked.





Whole grain wheat as harvested

Befined wheat flour

Yoghurt is made from milk. It is made by adding harmless edible bacteria to the milk, which causes it to ferment. This means the carbohydrate (sugar) in the milk, which is lactose, is converted into lactic acid by the bacteria. The lactic acid will set the milk's protein, which will thicken it. The lactic acid will also give the yoghurt its characteristically tangy flavour. Different yoghurts can be made from different types of

HOW IS CREAM

. . . .

Creem with a bocterial

culture added.

· Produces lectic acid.

produced >

 Fresh cows' milk is placed in a shallow pen and left for 6—14 house

a temperature of 80-90°C for 40-50 minute

ed, 'potted' up and sold as clotted crea

· Produced from LINT milk.

High temperatures during Util processing gi

Unopened cream can be stored at ombie

Once opened must be stored in a refrigerate

Mode by mixing creem with pic

Volume doubles

Cooled for 24 hours and 'clots' of cream with a firm yellow crust are formed. This cream is

Clotted creem has a rich, buttery flevour, and

Green floots to the surface of the milk.
 This interior is then heated over a water both of

milk. Some yoghurt will include additional ingredients such as sugar, which is used to sweeten it (e.g. fruit and other flavours such as honey or vanilla). Examples of types of yoghurt: Set yoghurt: is set in the pot in which it is sold. Has a firmer texture than other yoghurts. Live yoghurt: this has been fermented with live culture bacteria that are still living. Greek (strained) yoghurt: made from cows' or ewes' milk. It can be quite a thick yoghurt and is higher in fat. Nutritive value of yoghurt: Yoghurt will provide the following nutrients: Protein, Fat Calcium, Carbohydrates, Vitamins, Water Storage of

yoghurt - Store in the refrigerator between 1 and 5°C. Use before the use-by date.

Bread is a staple food in much of the world. It is made from strong flour, yeast, salt and water. Fat is often added to extend the shelf life of bread. Sugar is added for sweetness and to add colour.

Whole wheat flour

7. Commodities: Cereals

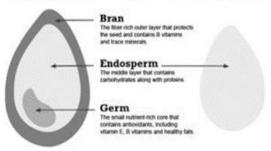
A 'wholegrain' is made up of three elements:

- · a fibre-rich outer layer the bran
- a nutrient-packed inner part the germ
- · a central starchy part the endosperm.

Whole Grain

vs.

"White" Grain



Cereals provide a valuable source on energy in the diet, as well as other nutrients if the wholegrain is used. These include: Fibre, Protein, Carbohydrates, VitaminE, Bvitamins, Fat, Iron.

Wheat Rice VOats A Barley

How cereals are processed:

Processing the flour after milling

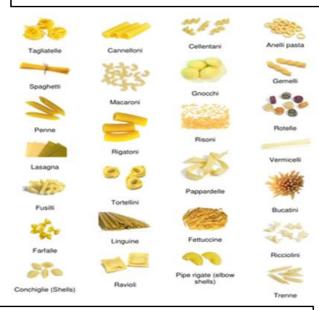
After the milling process, different grades of flour are produced by sifting, separating and regrinding the flour several times. These grades are combined as needed to produce different types of flour.

Small amounts of bleaching agents (to make the flour white) and oxidizing agents (to enhance the baking

Small amounts of bleaching agents (to make the flour white) and oxidizing agents (to enhance the baking quality of the flour) are usually added to the flour after milling.

Nutrients calcium, iron and B group vitamins are added to. This is called fortification. Baking powder will be added to make self-raising flour. **Flour:**Flour comes from different types of cereals,

e.g. rye and wheat. **Wheat flour** is one of the main flours produced. There are different strengths of wheat flour depending on its uses: **Strong flour** is used in bread making and comes from winter wheat, which is a hard **Wholemeal flour** is made from the whole wheat grain, nothing is added or taken away. It is referred to as having 100% extraction rate. It is a good source of dietary fibre. **Brown flour** usually contains about 85% of the original grain. Some bran and germ have been removed. **White flour** usually contains around 70-72% of the wheat grain. Most of the bran and wheat germ have been removed during the milling process. **Granary flour** is made by adding malted wheat (which has been toasted and flaked), to any type of flour but usually it is added to wholemeal or brown flour. **Stoneground flour** is wholemeal flour ground in a traditional way between two stones. **Organic flour** is made from grain that has



Rice is one of the most popular staple foods eaten by the world's population.

- · It is a very versatile commodity because it can be used to make both sweet and savour dishes
- · Rice is served as part of a meal to provide bulk and a feeling of fullness.
- It is quick to cook
- It is a good store cupboard ingredient as it has a long shelf life and is easy to store.
- Rice can be quite bland in flavour. This can be improved by cooking it with flavoursome ingredients such as garlic and herbs, or by cooking the rice in stock instead of water.

Varieties of rice:

There are many different varieties of rice available in supermarkets and it is sold in a variety of different forms, for example boil-in-the-bag, easy cook and pre-cooked. Rice can be short grain or long grain and most types are available as brown or white rice.

Pasta is made from strong wheat known as durum wheat. This type of wheat contains more protein than common wheat. During the milling process the wheat produces semolina. This is the coarsest grade of the starchy endosperm. To make pasta, water is added to form a dough, which can be shaped or extruded (forced though an opening in a shaped plate and then cut to a specific size) to produce the type of pasta required. Other ingredients that can be added during the making of the pasta dough include eggs, oil, salt and various flavourings. Different shapes, sizes and styles of pasta are widely available to buy in shops. Various colours of pasta re also sold: Green pasta is made using spinach, which provides the colour as well as some flavour. Red pasta is made using tomato paste. Squid ink pasta or black pasta is dark grey, almost black in colour and is made using, as the name suggests, squid ink. This can sometimes give the pasta a mild seafood flavour. Dried pasta is popular due to its long shelf life and versatility. It can be combined with many other ingredients. Fresh pasta must be stored in a refrigerator. Fresh and homemade pasta can be frozen Homemade pasta must be allowed to dry and then stored in an airtight container in the refrigerator. Cooked pasta should be stored in an airtight container in the refrigerator. Rinsing with cold water after cooking will stop it sticking together.

Year 8 Half-Term 3 French Knowledge Organiser Unit 3: À loisir

Point de départ			١,	
Ma célébrité préférée est	My favourite celeb	rity is	R	onne ani
II/EIIe est / n'est pas	He/She is / is not	Je joue sur	mon p	ortable.
arrogant(e).	arrogant.	Je finis mes	devo	irs à la
intelligent(e).	intelligent.	récré.		
laid(e).	ugly.	Je n'aide pa		•
méchant(e).	nasty.	Je fais la gra Je ne suis pa		
bête.	stupid.	- X	as sym	ipa avec
drôle.	funny.	Je vais aller au n	arch	6
égoïste.	selfish.	aider dar		
modeste.	modest.	être patie		
sérieux/sérieuse.	serious.	faire du s		
généreux/généreuse.	generous.		•	artphone
paresseux/paresseuse.	lazy.	dans n	na cha	ambre.
travailleur/travailleuse.	hard-working.	finir mes	devoi	rs le soir.
beau/belle.	good-looking.			
gentil/gentille.	kind.			
II/Elle a beaucoup de talent.	He/She has lots of	talent.	Pho	onics!
II/EIIe fait beaucoup de choses	He/She does a lot ;	for charity.	Dro	nouncin
les bonnes causes.				nouncing
C'est mon chanteur / ma	He/She is my favou	urite singer.	cog	nates
préféré(e).				
C'est un(e) de mes acteurs /	He/She is one of m	y favourite		
préféré(e)s.	actors/actresses.			n and
J'aime / Je n'aime pas	I like / I don't like .		ssi	
les comédies	comedies		-	100
les dessins animés	cartoons			
les documentaires	documentaries			
les feuilletons	soaps		qu	
les infos	the news			
les jeux (télévisés)	gameshows			0
les séries (policières)	(police) series			Quels so
les émissions de	A CONTRACTOR OF THE CONTRACTOR			Je bavar
cuisine/musique/sport/science-	cookery/music/spo			copains
fiction/télé-réalité	fiction/reality pro	ogrammes		Je fais o
parce qu'ils/elles sont	because they are			Je fais o
ridicules.	ridiculous.			Je lis.
divertissant(e)s.	entertaining.			Je fais o
intéressant(e)s.	interesting.			140.000
passionnant(e)s.	exciting.			Je nage.
plein(e)s d'action.	full of action.			Je fais o
ennuyeux/ennuyeuses.	boring.			Je ne lis
nuls/nulles.	rubbish.			Je ne jo
marrant(e)s.	funny.			Je ne fa
bêtes.	stupid.			
Detes.	stapia.		<u> </u>	

dans ma chambre. in my room. r mes devoirs le soir. to finish my homework in the evening. Phonics! Pronouncing *gentille,* arrogan intelligent cognates urite fiction, tion and ssion pa**ssion**nant au quel, quoi

Je ne fais rien.

Bonne année!

I play on my phone.

break.

I have a lie-in.

I am going ...

I am not kind to ...

to do sport.

I finish my homework at

I don't help my parents.

to go to the market.

to help in the garden.

to be patient with ...

to leave my smartphone

Ma vie numérique Je regarde la télé ... avant les cours. tous les soirs. le weekend. dans le salon. dans le bus. dans ma chambre. avec ma famille. seul(e). Je regarde ... des chaînes sur YouTube à la demande, sur Netflix sur mon smartphone sur mon ordinateur sur ma tablette C'est facile. C'est varié. Ce n'est pas cher. J'écoute de la musique en streaming. Je télécharge des chansons. Je crée des playlists. Je joue sur ma Xbox. J'achète des jeux et je joue

I don't do anything.

I watch TV ... before lessons. every evening. at the weekend. in the living room. on the bus. in my bedroom. with my family. alone. I watch ... YouTube channels on demand, on Netflix on my smartphone on my computer on my tablet It's easy. It's varied. It's not expensive. I stream music. I download songs. I create playlists. I play on my Xbox. I buy games and play online.

On va au ciné? Je vais au cinéma. I'm going to the cinema. Tu viens? Are you coming? Ça dépend. Qu'est-ce que tu It depends. What are you vas voir? going to see? Je vais regarder ... I'm going to see ... une comédie a comedy un film d'animation an animated film un film romantique a romantic film an action film un film d'action un film d'horreur a horror film un film de science-fiction a sci-fi film un film de super-héros a superhero film Il y a une séance à 14h. There's a screening at 2 pm. Bonne idée! Je veux bien. Good idea! I'd like to. Tu rigoles! You're kidding! Je n'ai pas envie. I don't want to. Désolé(e). Je ne peux pas ce Sorry. I can't this evening. Rendez-vous où et à quelle Where and when shall we Chez moi. / Chez toi. At my house. / At your À 19h. At 7 pm. À plus. See you later. À demain. See you tomorrow. Àsamedi See you on Saturday. Je peux vous aider? Can I help you? Je voudrais trois billets pour I'd like three tickets for ... Deux adultes et un enfant. Two adults and one child. How much is it? Ca fait combien? C'est quelle salle? Which screen?

Quels sont tes loisirs? Je bavarde / Je parle avec mes I chat / I talk to my friends. copains. Je fais du cyclisme. I go cycling. Je fais du vélo. I go cycling. le lis I read. Je fais de la lecture. I read. Je nage. I swim. / I go swimming. Je fais de la natation. I swim. / I go swimming. I don't read much. Je ne lis pas beaucoup. Je ne joue jamais à des jeux vidéos. I never play video games.

en ligne.

Tu as fait des achats? Je suis allé(e) au centre commercial. I went to the shopping centre. J'ai fait les magasins. I went shopping. J'ai fait des achats. I went shopping. J'ai lu une annonce pour les soldes. I read an advert for the sales. J'ai fait une balade. I went for a walk. J'ai fait une promenade. I went for a walk. J'ai attendu une demi-heure. I waited half an hour. J'ai depensé trop d'argent. I spent too much money. J'ai découvert un café. I discovered a café.

I tried on lots of clothes.

J'ai essayé plein de vêtements.

Year 8 Half-Term 3 French Knowledge Organiser Unit 3: À loisir

Bonne année!													
Je joue sur mo Je n'aide pas m	=		L'année	prochaine je	vais	aider dans l faire du spo	-						
Point de départ						'		1					
Ma célébrité pr favourite singer II/ elle est / n'es / in't	ris	-	arrogant(e). intelligent(e) laid(e). méchant(e).		arrogant. intelligent. ugly. nasty.	C'est mon chanteur préféré(e). C'est un(e) de mes préféré(e)s.		He/She is my favouri He/She is one of my actors/actresses.	-	car		II/Elle a beaucoup de talent. II/Elle fait beaucoup de choses il les bonnes causes.	He/She has lots of talent. He/She does a lot for charity.
Ma vie numérique	e					'							
Je regarde la té	lé tous l le we dans dans dans	t les cours les soirs. eekend. le salon. le bus. ma cham ma famill e).	bre.	before lessons. every evening. at the weekend in the living roo on the bus. in my bedroom with my family alone.	om.	Je regarde la télé		aînes sur YouTube mande, sur Netflix	YouTube ch on demand,		et	Je télécharge des chansons Je crée des playlists. Je joue sur ma Xbox. J'achète des jeux et je joue en ligne.	I download songs. I create playlists. I play on my Xbox. I buy games and play online.
On va au ciné?													
Je vais au cinéma – I'm going to the cinema	et je va	ais regar	⁻ der	une comédie un film d'anim un film romant un film d'actior un film d'horre	ique 1	a comedy an animated film a romantic film an action film a horror film		à 19 heures – a à dix heaures – à midi – at mid	at 10am		enf	voudrais trois billets, deu fant – I would like 3 ticke e child	-
Quels sont tes l	oisirs?						1						
Normalment	Je bavarde copains.	e / Je par	le avec mes	I chat / I ta	lk to my fri	ends. Je fais du Je lis. Je fais de Je nage.		I go cycling. I read. I read. I swim. / I go	swimming.	mais		ne lis pas beaucoup. ne joue jamais à des jeux vidéos	I don't read much. . I never play video games.
Tu as fait des ac	Tu as fait des achats?												
Je suis allé(e) a commercial – I the shopping ce	went to	et		es magasins. les achats.	}	I went shopping. I went shopping.		aussi d also	J'ai de	epensé tro écouvert ur ssayé pleir	r café.	I discovered	much money. a café. ts of clothes. 24

Year 8 Half-Term 4 French Knowledge Organiser Unit 4: Le monde est petit

1- Normalement, hier et demain Normally, yesterday and tomorrow

j'écoute de la musique.

Normalement....

ie lis des BD.

nous jouons en ligne.

Le weekend dernier, ...

je suis allé(e) ... j'ai choisi ...

j'ai mangé ...

Le weekend prochain, ...

to Electrica

ie vais visiter ... on va prendre

on va manger ...

all three tenses.

Normally, ...

I listen to music.

I read comics.

we play online. Last weekend, ...

I went...

I chose ... I ate ...

Next weekend. ...

I am going to visit ...

we are going to take ...

we are going to eat ...

2 - Où habites-tu? - Where do you live?

J'habite ... dans un village.

dans une ville. dans une grande ville.

à la campagne. à la montagne.

au bord de la mer. sur une île

dans le désert en France.

en Suisse. au Maroc.

aux Antilles.

I live ... in a village.

in a town. in a city.

in the country. in the mountains.

at the seaside.

on an island. in the desert.

in France. in Switzerland.

in Morocco

in the French Caribbean.

3 - Quel temps fait-il? - What's the weather like?

Il fait beau. The weather's fine. The weather's bad. Il fait mauvais

II fait chaud It's hot. Il fait froid. It's cold. Il v a du soleil. It's sunny. Il y a du vent. It's windy.

Il y a du brouillard. It's foggy.

Il y a des orages. It's stormy.

II pleut. It's raining. / It rains. Il neige. It's snowing. / It snows.

Make sure you know how to use different types of verbs in

	infinitive	tense	tense	near future tense
regular <i>–er</i> verbs	(e.g.) jouer (to play)	je joue	j'ai joué	je vais jouer
key irregular verbs	boire (to drink)	je bois	j'ai bu	je vais boire
	faire (to do / make)	je fais	j'ai fait	je vais faire
	prendre (to take)	je prends	j'ai pris	je vais prendre
	aller (to go)	je vais	je suis allé(e)* on est allé(e)s*	je vais aller

*Remember, some verbs take être, not avoir, in the perfect tense,

and the past participle must agree with the subject.

Phonics! campa**gn**e, monta**gn**e -gn ie p**eu**x -eu -ou nous pouvons



4 - C'est comment en été ? -What's it like in summer?

C'est comment en hiver?

What's it like in winter?

C'est ... It's ... amusant fun

tranquille / calme peaceful / quiet ennuyeux / animé boring / lively nul / génial / joli awful / great / pretty

très very trop too

5 – Il y a un jardin public dans ta région? Is there a park in your region?

In my region, there is / are Dans ma région, il y a a flat un appartement a building un bâtiment a field un champ a park un jardin public a lake un lac a shop un magasin a forest une forêt a mountain une montagne une plage a beach a river une rivière un(e) touriste a tourist beaucoup de lots of plein de plenty of little, not many peu de too much / too many trop de

Frenc

Year 8 Half-Term 4 French Knowledge Organiser

Unit 4: Le monde est petit

6 - Qu'est ce que tu peux faire là? - What can you do there?

On peut ... You / People can ... manger des crêpes. eat pancakes.

visiter les monuments visit historic monuments.

historiques.

visiter des grottes. visit caves.

aller au cinéma. go to the cinema. aller à la plage. go to the beach.

aller en ville. go to town.
faire les magasins. go shopping.
faire du canoë-kayak. go canoeing.
faire des randonnées. go for walks.
faire du ski. go skiing.
cultiver le coton to grow cotton

travailler dans les champs. to work in the fields

acheter des animaux to buy animals aller à l'école to go to school vendre des légumes to sell vegetables

7 - Qu'est-ce qu'on doit faire pour aider à la maison? What can we/people do to help at home?

On doit ... We / People must ...

Je dois ... I must ...

Ma sœur / Mon frère doit ... My sister / My brother must ...

garder ma sœur. look after my sister. garder mon frère. look after my brother. ranger ma chambre. tidy my room.

rapporter l'eau. collect the water.
laver la voiture. wash the car.
faire la cuisine. do the cooking.
faire la vaisselle. do the washing-up.
faire la lessive. do the washing.

nourrir les animaux. feed the animals. son frère / sa sœur his/her brother / h

On ne doit pas ... polluer l'eau.

his/her brother / his/her sister

We / People must not ...

pollute the water.

Elle est comment, ta région?

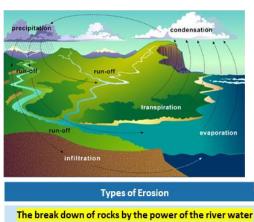
amusant. un jardin public faire les magasins. très tranquille. faire du canoë-kayak. un magasin Пуа et on peut Ma région, c'est calme. faire des randonnées. une forêt trop une plage visiter des grottes. ennuyeux.

Qu'est-ce qu'on doit faire pour aider à la maison?

On doit faire la cuisine.
faire la vaisselle.

Je dois garder ma sœur ranger ma chambre et

mais mon frère doit faire la lessive.
laver la voiture.



Attrition Rocks that bash together to become

smooth/smaller. Solution

Abrasion

Action

Solution

Suspension

A chemical reaction that dissolves rocks.

Rocks scrape against the banks and bed of a

Hydraulic Water enters cracks in the river bank, air compresses, causing the crack to expand.

Types of Transportation

A natural process by which eroded material is carried/transported.

Minerals dissolve in water and are carried

Small sediment is carried along in the flow of the water.

Saltation Pebbles that bounce along the river bed.

Traction

Boulders that roll along a river bed by the force of the flowing water.

Saltation Suspension Solution

What is Deposition?

When the river loses energy, it drops the rock particles and pebbles it has been carrying. This is called deposition. Heaviest material is deposited first.

snow sleet or hail. Vegetation prevents water reaching Interception the ground.

Precipitation

Water Cycle Key Terms

Moisture falling from clouds as rain,

Surface Water flowing over the surface of Runoff the land into rivers

Water absorbed into the soil from Infiltration the ground.

Water lost through leaves of plants. Transpiration

Mouth Upper Course of a River

1) River flows over alternative types of

2) River erodes soft rock faster creating a

3) Further hydraulic action and abrasion

4) Hard rock above is undercut, becomes

unsupported, so collapses providing more

form a plunge pool beneath.

material for erosion.

River Management Schemes

Formation of a Waterfall

rocks.

A small river or stream that joins a larger river. The point at which two rivers meet.

Where the river begins.

tributaries.

Drainage basin Key Terms

An area of land drained by a river and its

The area of high land forming the edge

(boundary) of the drainage basin

Where a river meets the sea.

Middle Course of a River

Near the source, the river flows over steep gradient from the hill/mountains. This gives the river a lot of energy, so it will erode the riverbed vertically to form narrow V shaped valleys.

Drainage

Watershed

basin

Source

Tributary

Confluence

The gradient gets gentler. The river starts to speed up. The river erodes laterally making it wider.

Step 1 Erosion of outer bank forms river cliff. Deposition inner bank forms slip off

Formation of Ox-bow Lakes

Further hydraulic action and abrasion of outer banks, neck gets smaller.

Step 3

slope.

Deposition on the outer edges of the channel cuts off the meander

Step 2

Step 4

Dramage Basin

Confluence

Channel



Erosion breaks through neck, normally during a flood, so river takes the fastest route, redirecting flow Lower Course of a River

leaving an oxbow lake.

Soft Engineering

Afforestation - plant trees to soak up rainwater, reduces flood risk.

Flood Barriers put in place when warning raised. Managed Flooding - naturally let areas flood, protect buildings **Hard Engineering**

Straightening Channel increases velocity to remove

flood water. Artificial Levees - heightens

river so flood water is contained. Deepening or widening river to increase capacity for a flood.

Near the river's mouth, the river widens further and becomes flatter. Material transported is deposited at the sides of the river, or when it meets the sea. Formation of Floodplains and levees

Physical: Prolong & heavy

rainfall

When a river floods, fine silt/alluvium is deposited on the valley floor. Closer to the river's banks, the heavier materials build up to form natural levees.

Nutrient rich soil makes it ideal for farming.

Physical: Geology

Impermeable rocks causes

Flat land for building houses.

Physical and Human Causes of Flooding.

Case Study - Boscastle flood August 16th 2004 Boscastle is a small village in Cornwall. It has a

permanent population of under 1000. 90% of jobs in the village are linked to tourism.

damaged. 75 cars and 8 boats washed away. 150 people had to be rescued. Damage cost £15 million. Responses to flood - Scheme cost £4.6 million.

Effects of flood - 100 homes and 25 businesses

greater discharge.

Long periods of rain causes surface runoff to increase soil to become saturated river discharge. leading runoff. Physical: Relief Human: Land Use

Steep-sided valleys channels water to flow quickly into rivers causing

Tarmac and concrete are impermeable. This prevents infiltration & causes surface runoff.

Causes of flood - 5 hours of heavy rain (3 inches in 1 hour), Impermeable rock, steep valley sides, thin soils limit vegetation. Buildings narrowing

river channel. Narrow bridges trapped debris.

Beds of rivers lowered by 6 ft. Bridges widened. Car park raised by 5m. Trees removed from near river.

Year 8 Half-Term 3 German Knowledge Organiser

Unit 3: Meine Hobbys

What do you like

1 - Bist du sportlich? Are you sporty?

Ich bin ... sportlich. I am ... sporty. very/quite/not very sehr/ziemlich/nicht sehr Was spielst du? What do you play? Ich spiele ... I play ... Ich spiele gern ... I like playing ... Ich spiele ziemlich gern ... I quite like playing ... I don't like playing ... lch spiele nicht gern ... **Badminton** badminton

Basketball basketball Eishockey ice hockey Fußball football Handball handball Tennis tennis Tischtennis table tennis

2 - Was machst du gern? What do you like doing?

Was machst du gern? doina?

Ich fahre Rad. I ride my bike.

Ich fahre Skateboard. I go skateboarding.

I ski. Ich fahre Ski.

Ich fahre Snowboard. I snowboard.

Ich lese. I read. 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.

Wann?

3 - Wie findest du das? What do you think of it?

Ich finde es ... I think it's

Es ist ... lt's ...

amazing irre

super super

toll great cool cool

qut good

nicht schlecht not bad

okav okav

langweilig borina

nervig annoving

stinklangweilig deadly boring

awful

furchtbar

water polo Wasserball

Volleyball

How often?

vollevball

4 - Wie oft? (sehr/ziemlich/nicht so) oft (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 always immer nie never

Phonics! **sp**iele er/ehr/ä fährt, g**er**n **st**inklangweilig st



When?

am Wochenende at the weekend in the evening am Abend heute today tomorrow morgen am Montag on Mondav next week nächste Woche in zwei Wochen in two weeks

5 - Was machst du in deiner Freizeit? What do you do in your free time?

Ich chille. I chill.

I eat pizza Ich esse Pizza or hamburgers. oder 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.

I do sport. Ich mache Sport.

Ich spiele Xbox oder Wii.

I play Xbox or on the Wii.

Year 8 Half-Term 3 German Knowledge Organiser

Unit 3: Meine Hobbys

	1				1				
Bist du sportlich?	Ich bin	ziemlich / sehr / nicht / gar nicht				lich.			
Are you sporty?	I am	quite / very / not / not at all			sport	y.			
Was spielst du gern?	Ich spiele		Fußba	all / Tennis / Xbox.					
What do you like to play?	I play		football / tennis / Xbox.			oall / tennis / Xbox.			
	Ich gehe	gern / sehr gern / nicht gern gladly / very gladly / not gladly / not at all gladly				einkaufen. – shopping			ufen. – shopping
	l go					n Park.			
Was machst du gern?	- 3011					no.			
What do you like to do?						e.			
	Ich mache I do								
	1 do					Judo.			
	chatte ich mit Freunden auf Snapchat. I chat with friends on Snapchat.								
Wie oft?	Jeden Tag Every day Manchmal	lade ich Musik herunter. I download music. lade ich Fotos hoch. I upload photos.							
	Am Wochenende At the weekend	telefoniere ich mit meiner be			esten Freundin. (feminine) oesten Freund. (masculine)				
		ziemlich viel (quite a nicht viel (not a lot)		• •	ot)	auf meinem Handy. 29 auf meinem Computer.			

Germar

Year 8 Half-Term 5 German Knowledge Organiser

Unit 4: Schule ist klasse!

Schulfächer	School subjects	Meinungen	Opinions			In der Schule	In school
Deutsch	German	mein Lieblingsfach ist	my favourite s	subject is		die Lehrerin(-nen)	teacher(s) (female)
Englisch	English	ich mag (sehr)	I like (a lot))	- CO	die Deutschlehrerin(-	• •
Erdkunde	geography	ich liebe	I love			nen)	(female)
Geschichte	history	ich mag nicht	I don't like			der Lehrer(-)	teacher(s) (male)
Informatik	ICT	ich hasse	I hate		ROM:	der Sportlehrer(-)	sports teacher(s) (male)
Kunst	art	gut	good	Eigenschaften	Characteristics	Was gibt es?	What is there?
Mathe	maths	toll	great	Er/Sie ist alt	He/She is old	Es gibt einen/eine/ein	
Musik	music	furchtbar	awful	fair	fair		There is a
Naturwissenschaft		einfach	easy	freundlich	friendly	Es gibt viele	There are lots of
Sport	sport/PE	schwierig	difficult	jung	young		1(-)
Technik	technology	interessant	interesting	launisch lustig	moody funny	das Klassenzimmer(-)	classroom(s)
Theater	drama	langweilig	boring	nervig	annoying	der Tisch(-e)	table(s)
mearer	ar ama	nützlich	useful	streng	strict	der Stuhl(-"e)	chair(s)
Die Zeit	Time	nutzlos	useless	unpünktlich	unpunctual	der Computer(-)	computer(s)
Wann?	When?	faszinierend	fascinating			das Whiteboard(-s)	whiteboard(s)
Um wie viel Uhr?	At what time?	nervig	irritating			das Poster(-)	poster(s)
		supercool	really cool			das Fenster(-)	window(s)
Um 8:30 Uhr (acht Uhr dreißig).	At 8.30.	stinklangweilig	dead boring			die Wand(-"e)	wall(s)
Wie viel Uhr ist	14/1			_		die Tür(-en)	door(s)
es?	What time is it?	Die Wochentage	The days of the week			der Korridor(-e)	corridor(s)
Es ist 9:50 Uhr	It's 9.50.	Montag (Mo.)	Monday	Was hast du am	What do you	Wo ist das?	Where is it?
(neun Uhr fünfzig) in der ersten			Tuesday	Montag?	have on	in der Schule	in the school
Stunde	in the first lesson	Dienstag (Di.) Mittwoch (Mi.)	Wednesday	J	Monday?	im Klassenzimmer im Korridor	in the classroom in the corridor
vor der Pause	before break		,	A m Dienstag	I have on	an der Wand	on the wall
nach der	after the lunch	Donnerstag (Do.)	Thursday	habe ich	Tuesday	am Fenster	by the window
Mittagspause	break	Freitag (Fr.)	Friday	Am Sonntag haben wir keine Schule.	We have no	am Tisch	at the table
		Samstag (Sa.)	Saturday		school on Sunday.	auf dem Tisch	on the table
		Sonntag (So.)	Sunday	ochule.	Sunday.	neben der Tür	near/next to the door 30

Germa

Year 8 Half-Term 5 German Knowledge Organiser

Unit 4: Schule ist klasse!

Mein Lieblingsfach ist (My favourite subject is) Ich liebe (I love) Ich hasse (I hate) Ich mag (nicht) (I like / don't like)	Englisch / Mathe / Kunst / Deutsch / Sport (English / Maths / Art / German / PE	weil esist (because it is)	interessant (interesting) langweilig (boring) nützlich (useful) nutzlos (useless) Faszinierend (fascinating) Cool (cool)
Am Montag (on Mondays) In der ersten Stunde (in the first lesson) In der zweiten Stunde (in the second lesson) Nachmittags (In the afternoon) Um 8 Uhr 15 (At 8.15)	habe ich (I have) haben wir (we have)	Mathe (Maths) Naturwissenschaften (Science)	Ich finde es (I find it) Es ist (it is) okay cool toll (great) nervig (annoying)
Mein Englischlehrer heist (My English teacher is called) Er ist (he is) Sie ist (she is)	Herr / Frau (Mr / Mrs)	sehr (very) ziemlich (quite) wirklich (really) nicht (not)	lustig (funny) freundlich (friendly) intelligent (clever) streng (strict) launisch (moody) nett (kind)
Es gibt (There is / are)	einen Tisch (a table) ein Whiteboard ein Fenster (a window) Posters	in dem Klassenzimmer	
Mein Traumschule hat (My dream school has)	keine Hausaufgaben (no homework) viele Computer (lots of computers) viele Sportsfelder (lots of sports fields)	Es ist (it is)	fantastisch (fantastic) toll (great) super perfekt (perfect)

Year 8 – Unit 3 – The British Empire – Key Topics		Key terms						
	Key topics	Annexed 🖳	Territory taken over without the owner's permission					
	The origins of the British Empire: More than one-quarter of all countries in today's world were once ruled by Britain. By the	Cash crop	Crops grown and sold for profit rather than grown as food for local people					
*~	mid-16 th century, Spain controlled a large territory in the Americas, making Spain	Colony Sag	A country or area under the full or partial control of another country					
, The second second	very rich. English monarchs saw this success and wanted to imitate it. Sir Walter Raleigh established a colony on the	Commonwealth	A group of countries that were previously part of the British Empire e.g. New Zealand and Australia					
200	Atlantic coast of America, he named it Virginia, after Elizabeth I, the 'Virgin Queen'. In many ways this was the	Empire S	An extensive group of states or countries ruled over by a single monarch, or a 'sovereign' state – NOT cultural/racial superiority					
~~	beginning of the British Empire. The Empire can be described as having many	Garrison 👜	A base for soldiers					
£5555	advantages and disadvantages. For example the British helped many colonies	Governor A	A person responsible for ruling a British colony on behalf of the monarchy					
	develop education, technology and democracy, but they often ruled using force and ideologies that suggested	Industry	Economic activity, processing raw materials and manufacturing goods in factories					
	Europeans were superior to other cultures,	Monopolies 큧	The exclusive possession or control of supply or trade					
	repressing languages and traditions.	Mutiny 💥	A revolt by the military					
	English colonies in America: During the Stuart period (1603-1714) exploration of	New World 🔊	A name given to the Americas during colonisation					
65)	the 'New World' had begun, which meant	Piracy 🕏	The practice of attacking and robbing ships at sea					
One designation of the second	the expansion of Britain in North America. America was 'discovered' by Christopher	Plunder 🛠	To steal goods by force					
	Columbus, but there were already people living in America. Upon 'discovery' of the	Privateer 🕍	A naval captain who has permission from their government to attack and rob the ships of another country					
W .	'New World' France, Spain and Britain contended for the land. The first successful English colony was 'Jamestown', founded in 1607, set up by members of the Virginia Company, they discovered tobacco grew very well there. A number of groups became colonists for varying reasons. The Virginia company were motivated by	Puppet ruler	An official ruler who has little political power because they are controlled by someone else					
TO YEAR		Raj 🍅	Indian word meaning 'ruler', often used to describe when the British government ruled India					
		Rebellion 🛱	Resisting authority or control, often armed resistance to a government or leader					
	trade, Indentured Labourers moved to	Sepoy 🎘	An Indian soldier serving under British orders					
	gain jobs and land, and The Pilgrim Fathers wanted to practise their Puritan faith more	Smuggler 🕌	Someone who trades goods illegally					
	freely.	Tariff &	A tax paid on goods that are imported					

Year 8 - Unit 3 - The British Empire - Key Topics

Caribbean, their ships carrying riches from the Americas to Spain would pass through the Caribbean. The British government and British pirates wanted a share in these riches, so they used Jamaica as a base to seize Spanish ships. The Royal Navy did not have enough ships, so Pirate Henry Morgan was recruited to help. British governor of Jamaica, Thomas Modyford gave Morgan a license to attack, making him a Privateer. Morgan became very wealthy and was knighted in 1674 by Charles II for his services. Sugar and

Pirates and the Caribbean: Spain controlled much of the



tobacco was in high demand in Europe. Britain increased its Navy and introduced Monopolies and Navigation Acts, ensuring colonies could only trade with Britain, this helped control of profits. The act led to an increase in smugglers. Pirates began to be a problem in the 18th C due to smuggling and disrupting trade.



Eighteenth-century gains and losses: Between 1652 and 1674, Britain fought three wars against the Dutch, this ended in 1688 with the Glorious Revolution when William of Orange became king in England. By 1756 the 'Seven Years War' began, against the Spanish and the French, it resulted in a huge expansion of the British Empire. The Empire grew due to military and economic success. Increased trade and growth of industry in Britain led to larger trade



companies and a bigger military. Due to the cost of the Seven Years War, Britain introduced new taxes in the Americas, Americans began protests, by 1775, there was conflict. The 13 colonies joined together to form the United States of America and in 1783, they won independence. The loss of the 13 colonies was a major blow to the British, they started to turn their attention East.



How and why Britain came to control India: Historically 'India' was used to describe the land between the Himalayan mountains and the Indian Ocean. Today this land is India, Pakistan, Bangladesh and Sri Lanka, when we refer to India in this topic, we are referring to all of these places. In the early 1500s India was lots of little states in the 1520s The Mughal Empire expanded. The Mughals were Muslim rulers from Afghanistan. Mughal power grew along with strong culture, art, architecture, literature, mosques and imposing forts. At its height it ruled almost all modern India. Mughal rulers encouraged trade with Europe, the Dutch, French and British began to arrive, keen to get Indian spices and textiles. The Mughal



Company in 1600.

Empire began to decline under the rule of Emperor Aurangzeb (1618-1707). India became divided again. British expansion in India began with control of law, taxes and industry by the East India

Causes of the Indian Rebellion: From the mid 18th C, British power in India grew enormously, led by the East India Company. Robert Clive (1725-74) and Lord Richard Wellesley (1760-1842) led military campaigns to expand British rule in India, By the 1850s the EIC ruled 2million squared kilometres of India, Large numbers of **sepoys** were employed. **In 1857**, **they** mutinied, and this turned into full scale rebellion. Resentment of British rule had been caused by unfair pay, disrespect of culture, tax, food shortages and domination of trade.



805.07

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Consequences of the Indian Rebellion: British forces fought against the rebels, storming Delhi. It took months to regain control. The British used significant force on the rebels. They sent warnings to others, lining roads with hung rebels and blowing up others with cannons. Some British supported these actions, but for many it caused outrage. The EIC could not be trusted to rule, in 1858, Parliament passed the Government of India Act, giving the British crown/government control, the British Raj began.



Impact of British rule in India: The impact of British rule was significant in many parts of society. 1/4 of British exports were sent to India, Britain destroyed India's textile industry, imported coal and precious stones from India. Britain also built 24,000 miles of railway and introduced tariffs on non-British goods. Dams were built and irrigation provided, many cash-crops were grown and between 1770 and 1900, 25 million are estimated to have died from famine. No Indian had the right to vote and few helped govern their own country. The British needed a large army to govern India and they often favoured higher castes when it came to jobs in the army and government. English became the official language in government. Many British saw Indian culture inferior. Houses and schools were modelled on



M

Interpretations of the British Empire: There has been great debate about whether the British Empire was a good or bad thing. Many factors influence people's opinions of empire.

British ones and sports such as cricket were introduced.

Networks



Internet	A collection of inter connected networks and devices that communicate and send data between each other
DNS	Domain Name Server. Remembering www.google.co.uk is easier than remembering 173.194.34.95. Converts from number to address
IP Address	Like every front door in the world, every computer in the world has a separate unique address
URL	Uniform Resource Locator. A URL is a web address. All web addresses are unique
НТТР	HyperText Transfer Protocol. A protocol is a set of rules HTTP defines the rules used by web browsers and servers to exchange information
Data Packets	Data transmitted over the Internet is broken down into smaller chunks or packets to be sent
Bandwidth	The amount of data that can be carried at a time
WAN	Wide Area Network: Cover a large geographical area (eg Bank, Hospitals)
LAN	Cover a small geographical area (a home network or a school)
NIC	Network Interface Card. Can be wired or wireless, Needed to connect to Internet
Buffering	The delay whilst the internet downloads data needed (usually during streaming)

What is a network?

A network is two or more computers (or other electronic devices) that are connected together, usually by cables or Wi-Fi.

Some computer networks will have a server. A server is a powerful computer that often acts as a central hub for services in a network, eg emails, internet access and file storage. Each computer connected to a server is called a client.



Key Learning that will take place in this unit

- · Understanding how the internet works
- . Understand the use of Networks
- Be able to describe different types of networks
- Identify different types of networks.



IP Address to Domain Name Server to Uniform Resource Locator



When we type in <u>www.google.co.uk</u> we are typing in the **URL (Uniform Resource Locator)** – this is easy to remember!

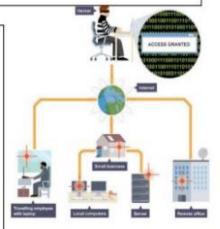
What we are actually connecting to, is Google's **IP Address** where the website is stored and this is a series of numbers, **173.194.34.95** – harder to remember!

The system that converts the IP Address (173.194.34.95) to www.google.co.uk is known as the Domain Name Server

What problems can occur with a network?

If we connect computers or devices together in a network we can expose ourselves to some problems. If the network breaks, this can make a number of tasks it is used for quite difficult. For example, it might not be possible to share photographs and opinions with friends.

If computers and devices are networked together, we can expose ourselves to hackers and viruses. Most viruses are spread over a network and most hackers use a network to access other people's computers. Without a network connection, a hacker would have to physically get to your computer.



II: Computing

Networks

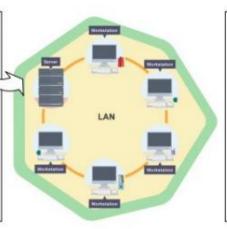
Types of Networks

There are two main types of networks: LAN and WAN



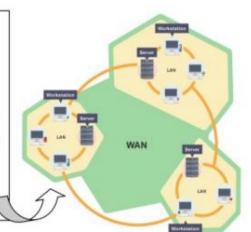
A local area network is when computers or devices are connected together over a small geographical area, such as within a home, a building or one site. A LAN can be created to share data or hardware such as a printer, or to share an internet connection.

A computer that is not connected to a network is called a **standalone computer**



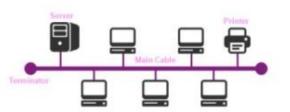
Wide area network (WAN)

A wide area network is when computers or devices are connected together over a large geographical area. For example, a company with an office in London and another in Beijing would use a WAN to allow the employees to share one network. Some companies will connect a number of LANs in different areas together to create a WAN. The biggest WAN we know is the internet.

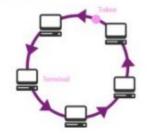


Within this, there are then 3 subtypes of networks which are shown below

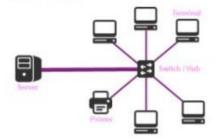
Bus network



Ring network



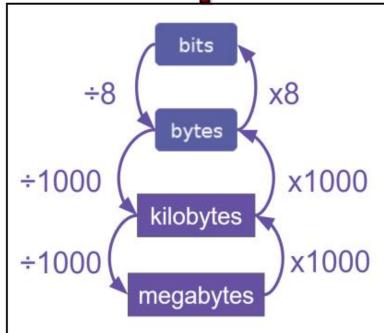
Star network







Data Representation



How to convert between units of data

In binary, 8 bits (individual 1s and 0s) make up a byte. The prefixes kilo-, mega-, giga-, tera-, ... are used to express increasingly large quantities of bytes.

1 kilobyte = 1000 bytes

1 megabytes = 1000 kilobytes

1 gigabyte = 1000 megabytes

1 terabyte = 1000 gigabytes

ASCII TABLE

	Hexadecimal					Hexadecimal								Char
000	00	0000000		(MULL)	048	30	0110000		0	096	60	1100000	140	
001	01	0000001	001	(START OF HEADING)	049	31	0110001	061	1	097	61	1100001		-
002	02	0000010	002	(START OF TEXT)	050	32	0110010		2	098	62	1100010	142	b
003	03	0000011	003	(END OF TEXT)	051	33	0110011	063	3	099	63	1100011	143	c
004	0.4	0000100	004	(END OF TRANSMISSION)	052	34	0110100	064	4	100	64	1100100	144	d
005	05	0000101	005	(ENOUNEY)	053	35	0110101	065	5	101	65	1100101	145	0
006	06	0000110	006	(ACKNOWLEDGE)	054	36	0110110	066	6	102	66	1100110	146	f.
007	07	0000111	007	(BELL)	055	37	0110111	067	7	103	67	1100111	147	G.
008	80	0001000	010	(BACKSPACE)	056	38	0111000	070	8	104	68	1101000	150	h
009	09	0001001	011	THORIZONTAL TABI	057	39	0111001	071	9	105	69	1101001		1
010	0A	0001010	012	(LINE FEED)	058	AE	0111010	072	1	106	6A	1101010	152	1
011	08	0001011	013	(VERTICAL TAB)	059	38	0111011	073	1	107	6B	1101011		k
012	OC.	0001100	014	(FORM FEED)	060	3C	0111100	074	4	108	6C	1101100		1
013	OD	0001101		(CARRIAGE RETURN)	061	3D	0111101		=	109	6D	1101101		m
014	0E	0001110		(SHIFT OUT)	062	36	0111110		>	110	66	1101110		m.
015	OF	0001111		(SHIFT IN)	063	36	0111111		?	111	6F	1101111		0
016	10	0010000		IDATA LINK ESCAPEI	064	40	1000000		.00	112	70	1110000		p
017	11	0010001		(DEVICE CONTROL 1)	065	41	1000001		A	113	71	1110001		q
018	12	0010010		(DEVICE CONTROL 2)	066	42	1000010		B	114	72	1110010		r
019	13	0010011		(DEVICE CONTROL 3)	067	43	1000011		c	115	73	1110011		5
020	14	0010100		(DEVICE CONTROL 4)	068	44	1000100		D	116	74	1110100		t
021	15	0010101		(NEGATIVE ACKNOWLEDGE)		45	1000101		E	117	75	1110101		u
022	16	0010110		(SYNCHRONOUS IDLE)	070	46	1000110		F	118	76	1110110		v
023	17	0010111		(ENG OF TRANS. BLOCK)	071	47	1000111		G	119	77	1110111		w
024	18	0011000		/CANCELJ	072	48	1001000		н	120	78	1111000		×
025	19	0011001		(END OF MEDIUM)	073	49	1001001		10	121	79	1111001		y
026	1A	0011010		(SUBSTITUTE)	074	44	1001010		i	122	7A	1111010		2
027	18	9011011		NESCAPET	075	48	1001011		K	123	78	1111011		1
028	10	0011100		(FILE SEPARATOR)	076	4C	1001100		i.	124	7C	1111100		1
029	10	0011101		(GROUP SEPARATOR)	077	4D	1001101		M	125	7D	1111101		3
030	16	0011110		(RECORD SEPARATOR)	078	4E	1001110		N	126	7E	1111110		-
031	1F	0011111		(UNIT SEPARATOR)	079	4F	1001111		Ö	127	7F.	1111111		IDEL
032	20	0100000		(SPACE)	080	50	1010000		P	127	11	*******	211	IDEL
033	21	01000001		District	081	51	10100001		0	1				
034	22	0100001		4	082	52	1010001		R	1				
035	23	0100011			083	53	1010010		5	1				
036	24	0100011		5	084	54	1010100		T	1				
										1				
037	25	0100101		5	085	55	1010101		U	1				
038	26	0100110		6	086	56	1010110		v	1				
0.39	27	0100111		Û	087	57	1010111		W	1				
040	28	0101000		5	880	58	1011000		×	1				
041	29	0101001		3	089	59	1011001		Y	1				
042	2A	0101010		•	090	SA	1011010		Z	1				
043	28	0101011		*	091	58	1011011		1					
044	2C	0101100			092	SC	1011100		1					
045	20	0101101		*	093	SD	1011101		1					
046	2E	0101110		*	094	SE	1011110							
047	2F	0101111	057	1.	095	56	1011111	137	-	I				

ASCII conversion table - shows characters and their corresponding character codes

Character sets, such as ASCII and Unicode, are used in computers to represent symbols such as letters, numbers and punctuation marks in binary.

Computing

Computing

Representation

37

Converting denary (base 10) to binary (base 2)

Converting 30 to binary

Step 1: Write down the binary placeholders

<u>Step 2</u>: Find the largest placeholder that is less than or equal to the denary number. Write a 1 underneath this placeholder.

	32	
1	<mark>16</mark>	
	8	
	4	
	2	
	1	

Step 3: Subtract placeholder from the original number

30-16 = 14

Step 4: Repeat this process with the result until you're left with 0

	32
1	16
1	CO
	4
	2
	1

14 - 8 = 6

	32
1	16
1	8
1	4
	2
	1

6-4 = 2

Converting binary (base 2) to denary (base 10)

Converting 100101 to denary

Step 1: Write the placeholders over your binary number (start on the right):

1	32
0	16
0	8
1	4
0	2
1	1

Step 2: List all the placeholders with 1 underneath
 32

Step 3: Add up your list

32+4+1=37

Converting denary (base 10) to binary (base 2) - continued

 32	16	8	4	2	1
	1	1	1	1	

2-2=0

Step 5: Fill in the remaining placeholders with 0s

_	32	16	8	4	2	1
	0	1	1	1	1	0

Therefore 30 in base 2 is 011110

Converting denary to hexadecimal

Hexadecimal numbers

Hexadecimal uses the same first ten digits (0-9) as denary. It then has six more digits (A-F) to represent the numbers 10-16.

Hexadecimal numbers are often used because they're easier for humans to

Hexadecimal numbers take up the same amount of storage space as binary numbers because they're stored as binary in memory.

Converting binary to hexadecimal

Converting the 8-bit binary number 10011100 into hexadecimal

Step 1: Split the binary number into two four-bit nibbles

Step	_	ω	
2: Calcı			
ılate	0	4	
the value of	0	2	
if each nit	1	1	
<u>ble</u>		_	
e in binar	1	8	
2	1	4	
	0	2	
	0	1	

8+1 = 9

8+4=12

Step 3: Translate these values into hexadecimal

 $9 \rightarrow 9$

12 → C

Step 4: Write down the final hexadecimal number

E → 14

 $4 \rightarrow 4$

Step 1: Convert each hexadecimal digit to decimal

Converting 4E to binary

Converting hexadecimal to binary

Step 2: Use the method on the left to convert the binary number to hexadecimal

Step 1: Convert the denary number to binary using the method above

Step 2: Convert each denary number to a four-bit binary nibble

 $4 \to 0100$

 $14 \rightarrow 1110$

Step 3: Write down the final binary number

Data Representation Computing

Bitmap images

an image. Bitmap images use a grid of pixels, each with an assigned colour, to represent

with a	01	00	00	00	00	00
colour	10	00	00	11	11	00
depth o	10	10	10	11	11	00
f 2 bits	10	00	00	11	11	00
with a colour depth of 2 bits and a re	01	00	00	00	00	00

A bitmap image esolution of 5x6

Vector graphics

An alternative method of presenting images is using vector graphics which works by describing the shapes in the image mathematically. To view the image, a program that can interpret the image code must be used.

```
<circle cx="24" cy="21.5" r="69" class="face"/>
<cllipse cx="24" cy="5.5" rx="6" ry="1.5" class="shine"/>
<cllipse cx="24" cy="45.5" rx="16" ry="1.5" class="shadow"/>
<circle cx="24" cy="21.5" r="20" class="cheeks"/>
<cllipse cx="36" cy="26.5" rx="2.5" ry="1.5" class="cheeks"/>
<cllipse cx="36" cy="26.5" rx="2.5" ry="1.5" class="cheeks"/></cllipse cx="12" cy="26.5" rx="2.5" ry="1.5" class="cheeks"/>
```

Part of the code for a vector graphic image

Lossy compression

Lossy compression is typically used on data such as images and video. This is because some data about an image of video is lost, although it will reduce the quality of the image or video the viewer can still see/view the image.

Lossless compression

Lossless compression is used when it is critical that, when the data is uncompressed, the original data can be reconstructed. This type of compression is often used to compress text so that all the letters in the text can be reconstructed and the text can be understood.

If lossy compression was used on a text file containing a program, the program would no longer work because characters would be removed by the compression algorithm.

```
plnets ['Jpir', 'Sturn', 'Vnus', 'Uns', 'Nptne', 'Vnus', 'Mas', 'Mry', 'Eah'] sies 110, 95, 00, 30, 95, 5, 8, 10] fr i n rage(le(plnets)):
prit(planes[i], sizei] %
      the se f Eth.
```

This is what a Python program might look like if you tried to apply lossy compression to it

Key Vocabulary	Definition
Sinary	A number system that contains two symbols, 0 and 1. Also known as base 2
Denary	The number system most commonly used by people. It contains 10 unique digits 0 to 9. Also known as decimal or base 10
Hexadecimal	A number system that contains sixteen symbols, 0-9 and A-F. Also known as base 16
Place value / placeholder	The value of the place, or position, of a digit in a number
Character set	A mapping of keyboard characters to numbers used to represent those keyboard characters in a computer system
ASCII	American Standard Code for Information Interchange. A 7-bit character set for representing English keyboard characters.
ixel	The smallest identifiable area of an image or computer screen
3it	A single symbol in a binary number. Either 1 or 0
3it pattern	Any sequence or more than one bit
Vibble	A bit pattern which is four bits long
3yte	A bit pattern with which is eight bits long
(ilobyte	1000 bytes
Vlegabyte	1000 kilobytes
Resolution	The number of pixels in an image
Colour depth	The number of bits used to store each pixel
3itmap	A digital image made up of a grid of pixels
/ector graphic	A digital image made up of lines and shapes described using mathematics
Compression	Reducing the amount of storage needed to represent a file
ossy compression	Information is lost during the compression of a file
ossless compression	No information is lost during the compression of the file
MIDI	Musical Instrument Digital Interface. A way to connect devices that make and control sound
Vletadata	Data that provides information about other data. For example, the file size of an image is considered part of the image metadata

17 16 15 14

22 21 20 19 18

> 3 5 -င္က <u>~</u> В 8 æ 3

13

12 1 10

<u>~</u>

В z В В Pi A Q Р Ŧ D В

9

 ∞

6 5 ω

Averages and Range

Mode: The most common item

Median: The middle item after the data

has been ordered.

Mean: Add up and divide by how many

pieces of data

Range: Largest Value - Smallest

The range is not an average. It is a

MEASURE OF SPREAD

Ratio:

Tom has 24 Xbox games and 38 PS4 games. The ratio of PS4 games to Xbox games is:

There are 62 games altogether so, $\frac{38}{62} = \frac{19}{31}$ of the games are PS4 games.

Ratio

Billy and James have some sweets in the ratio **9:2**. Billy has **35 more** sweets than James. How many sweets are there altogether?

Billy has 7 more parts than James.

$$1 Part = 35 \div 7 = 5.$$

$$2 Parts = 2 \times 5 = 10$$

$$9 Parts = 9 \times 5 = 45$$

Total Number of sweets = 5 + 10 = 45

Dividing into a Ratio:

Share £480 in the ratio 3: 5: 4 3 + 5 + 4 = 12 $1 Part = £480 \div 12 = £40$

$$3 Parts = £40 \times 3 = £120$$

 $5 Parts = £40 \times 5 = £200$
 $4 Parts = £40 \times 4 = £160$

£120: £200: £160

Year 8

Core & Support

Half-term 3

Recipes and Proportion:

8 People:

400g Pasta
2 Tins Chopped Tomatoes
1 Onion
4tbsp Tomato Puree

To find the recipe for 6 people, divide each amount by 8 and then multiply by 6:

6 People:

 $(400 \div 8) \times 6 = 300g \ Pasta$ $(2 \div 8) \times 6 = 1.5 \ Tins \ Tomato$ $(1 \div 8) \times 6 = \frac{3}{4} Onion$ $(4 \div 8) \times 6 = 3tbsp \ Puree$

Sample Space Diagrams

We use sample space diagrams to list all outcomes when carrying out two probability experiments at the same time

Player 1

	Rock	Paper	Scissors
Rock	RR	RP	RS
Paper	PR	PP	PS
Scissors	SR	SP	SS

Player 2

$$P(Scissors) = \frac{3}{9} = \frac{1}{3}$$

$$P(Prime) = \frac{15}{36} = \frac{5}{12}$$

Solving Linear Equations

To solve Linear Equations, use the balancing method

$$4(2x - 1) = 36$$
Expand the brackets
$$8x - 4 = 36$$

$$(+4) \qquad (+4)$$

$$8x = 40$$

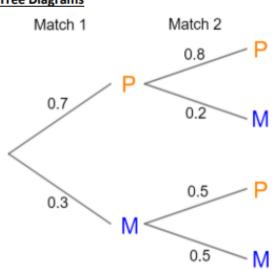
$$(\div 8) \qquad (\div 8)$$

$$x = 5$$

The solution is x = 5

For Independent Events: $P(A \text{ and } B) = P(A) \times P(B)$ For Mutually Exclusive Events: P(A or B) = P(A) + P(B)

Tree Diagrams



P(Peter wins both Games) = $0.7 \times 0.8 = 0.56$

P(Mike wins both Games) = $0.3 \times 0.5 = 0.15$

P(Peter wins exactly 1 game) = PM or MP $= (0.7 \times 0.2) + (0.3 \times 0.5) = 0.14 + 0.15 = 0.29$

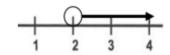
P(Peter wins at least 1 game) = 1 - P(Peter wins no games) $= 1 - (0.3 \times 0.5) = 1 - 0.15 = 0.85$

Solving Linear Inequalities:

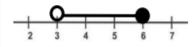
Inequalities giver use a RANGE OF SOLUTIONS. To solve we use the balancing method!

$$18 - 7x < 6x - 8$$
Add $7x$ from both sides as it is the smallest
 $(+7x)$ $(+7x)$
 $18 < 13x - 8$
 $(+8)$ $(+8)$
 $26 < 13x$
 $(\div 13)$ $(\div 13)$
Solution: $x > 2$

We can represent our solutions on a number line



$$2 < \frac{x}{3} + 1 \le 3$$
(-1) (-1) (-1)
$$1 < \frac{x}{3} \le 2$$
(×3) (×3) (×3)
Solution: 3 < x < 6



Integers that satisfy this inequality are: 4, 5, 6

Solving Linear Equations:

Linear Equations can have fractional and negative solutions!

$$18 - 7x = 3(2x - 8)$$
Expand the brackets
$$18 - 7x = 6x - 24$$
Add 7x from both sides as
it is the smallest
$$(+7x) \qquad (+7x)$$

$$18 = 13x - 24$$

$$(+24) \qquad (+24)$$

$$42 = 13x$$

(÷ 13) (÷ 13)
Solution:
$$x = \frac{42}{13}$$

$$\frac{3x+8}{2} = 1$$

$$(\times 2) \qquad (\times 2)$$

$$3x+8=2$$

$$(-8) \qquad (-8)$$

$$3x=-6$$

Solution:
$$x = -2$$

Multiply both sides by 12 as it is the LCM of 4 and 3 $\frac{12(5x-3)}{4} = \frac{12(2x+9)}{3}$ 12÷4=3 and 12÷3=4 3(5x-3) = 4(2x+9)

Expand the brackets

$$15x - 9 = 8x + 36$$

 $(-8x)$ $(-8x)$
 $7x - 9 = 36$
 $(+9)$ $(+9)$
 $7x = 45$
 $(\div 7)$ $(\div 7)$
Solution: $x = \frac{45}{7}$

Remember to simplify your fractions if you can!

Inverse Proportion

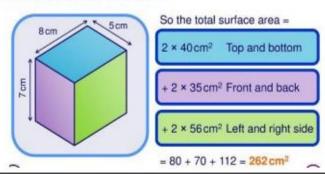
3 Pipes take 60mins to water a field. 1 Pipe will take 180mins to water the same field. Therefore, 10pipes will take 18mins

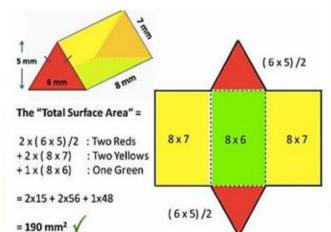
Year 8 - Core & Extension Half-term 3

Surface Area:

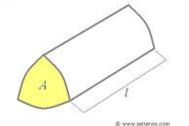
The surface area of a 3D shape is the

TOTAL AREA OF ALL FACES.





Volume of Prisms:



Volume = Cross Sectional Area × Length

Pie Charts:

Subject	Frequency	Angle = Magic Number × Freq.
Maths	12	18 × 12 = 216°
English	3	$18 \times 3 = 54^{\circ}$
Science	2	18 × 2 = 36°
PE	1	$18 \times 1 = 18^{\circ}$
	Total = 20	

Degreees Per Person = 360 ÷ Total Frequency

$$=360 \div 20 = 18$$



Year 8 Core & Support Half-term 4

Area Formulae:

Area of Rectangle = $b \times h$

$$Area of Triangle = \frac{b \times h}{2}$$

Area of Parallelogram = $b \times h$

$$Area\ of\ Trapezium = \frac{(a+b)\times h}{2}$$

Area of Circle = πr^2

Standard Index Form:

Must be written in the form: $A \times 10^n$, where

 $1 \le A < 10$ and n is an integer

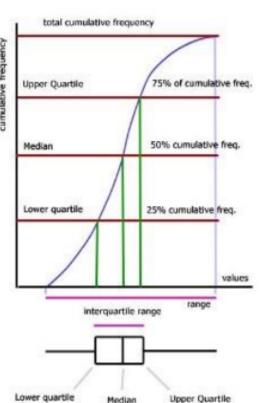
 $2835000 = 2.835 \times 10^{6}$ $0.00065 = 6.5 \times 10^{-4}$

Types of Data

Qualitative Data (Categorical Data): Eye Colour, Favourite Colour etc.

Quantitative Data (Numerical Data) can be split into Discrete and Continuous Discrete Data: Data can only take specific values (Number of bedrooms in house etc.) Continuous Data: data that can take any value (Height, Weight etc.)

Cumulative Frequency and Box Plots



Plot the cumulative frequency against the upper limit of each class and join to make a smooth S-shaped curve

Index Laws:

$$m^{a} \times m^{b} = m^{a+b}, x^{a} \div x^{b} = x^{a-b},$$

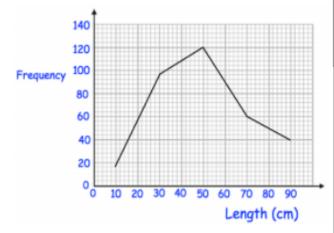
 $(t^{a})^{b} = t^{ab}, b^{0} = 1$

Negative and Fractional Indices

$$x^{-n} = \frac{1}{x^n}$$
$$x^{\frac{1}{n}} = \sqrt[n]{x}$$

Frequency Polygons

The frequency polygon shows the length of 330 river eels.



Plot the frequency against the midpoints of each class

Surface Area Formulae

Surface Area of Cylinder = $2\pi r^2 + 2\pi rh$

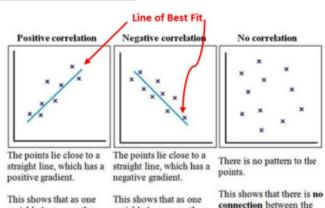
Surface Area of Sphere = $4\pi r^2$

Surface Area of Cone = $\pi r^2 + \pi rl$ Where *l* is the sloped height of the Cone.

Scatter Graphs and Correlation

variable increases the

other increases.



variable increases, the

other decreases.

two variables.



$$(4.2 \times 10^3) \times (3 \times 10^4) = (4.2 \times 3) \times (10^3 \times 10^4)$$

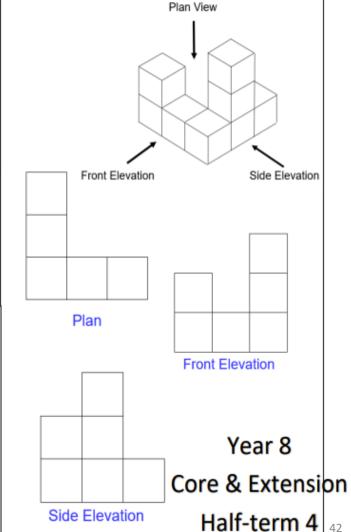
= 12.6×10^7

But our answer is not in Standard Form. We need to write it as: 1.26×10^8

$$(7.5 \times 10^9) \div (2.5 \times 10^6) = (7.5 \div 2.5) \times (10^9 \div 10^6)$$

= 3×10^3



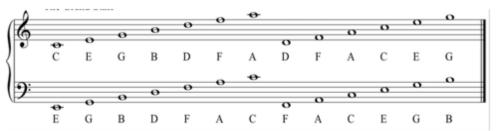


Y8 Music HT3 - Harmony and Tonality, Structure

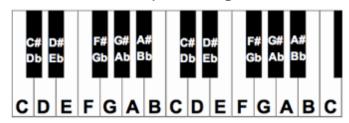
HT3 - Harmony and Tonality



Treble and Bass clef notation



Piano keyboard diagram



C major chord number chart using Roman Numerals:

Tonality: Major and Minor

Major; has a bright/cheerful sound Minor; has a darker/moody sound

C major scale:

C minor scale

G

Y8 Music HT3 - Harmony and Tonality, Structure

HT3 - Structure



Structure words for a Rock song:

Intro: short section, no lyrics, establishes the key

Verse: set of lyrics that tell the main 'story'. The melody for each verse is usually the same.

Chorus: Usually at a higher pitch that the verse to create excitement. Contains the song title.

Solo/Instrumental: No lyrics (except backing vocals sometimes), shows an instrument off.

Bridge: used as a transition from one section to another eg chorus to verse.

Middle 8: Usually happens in the middle of a song, has a different melody to the verse and the chorus.

Pre-chorus: short section just before the chorus.

Outro: opposite of intro, short section that ends a song. 43

Life after Death

Year 8 Religion, Philosophy & Ethics

К	ey Terms	Definition
Life after	Death	The belief that when you die there is another life
Paranori	mal	Events that science can't explain that are thought to have a spiritual cause e.g. ghosts and mediums
Near De	ath Experience	When someone is about to die and they have an out of body experience
_	Heaven	A place of perfection with God
Christian Beliefs	Hell	A state of being without God
Chri Beli	Purgatory	Purification of souls before heaven (believed by Catholic Christians)
	Paradise	Also called Jannah, where those who have lived a good life go after death
slim efs	Jahannam	The Arabic word for hell, a place of punishment
Muslim Beliefs	Bazarkh	The waiting place between death and judgement day

Rejecting Belief in Life After Death

All six major religions (Judaism, Christianity, Islam, Buddhism, Hinduism and Sikhism) all believe in some form of life after death. However, atheists reject belief in life after death due to a lack of convincing evidence.



- Dawkins is a world famous scientist and atheist rejects all religions, ideas of God and any belief in a soul or afterlife.
- ❖ Dawkins thinks people mistakenly believe in an afterlife as a form of comfort and to give meaning to life but it isn't real.
- ❖ He argues that it is natural to desire a believe in life after death as it gives us hope and helps us survive. But the only part of us that lives on after death is our DNA in our children.
- Humanists are atheists (don't believe in any God or afterlife). Since Humanists don't believe in an afterlife they try to find meaning and purpose in this life. They base their ethical decisions on what is best for humanity and aim to seek happiness for themselves and others.
- Humanists believe when we die our bodies will decompose and we only live on in the memory of others.
- ❖ Atheist Michael Persinger (in the 1980s) was a neuro (brain) scientist that created the 'God Helmet'. His research claimed that the *God Helmet* could evoke a religious experience in someone by artificially stimulating (altering) part of their brain. His study concluded that "at least" 80% of the 900 people involved experiences a presence close by and 1% reported an experience of "God". Persinger concluded God must be a creation of the human mind.

'A delusion is something that people believe in spite of a total lack of evidence' Richard Dawkins

'Feeling something beyond yourself, bigger in space and time, can be stimulated' Michael Persinger

'the spirit returns to God who gave it' Bible

'When created you the first time, and to Him you are returned' Qur'an 41

'Life is uncertain; death is certain' Buddha

Paranormal Activity

Paranormal events cannot be explained by science and are believed to be caused by something spiritual. They are used as evidence for life after death.

- ➤ **Ghosts** are the soul or spirit of a d1ead person believed to be sensed by the living.
- Mediums are people who claim to be able to communicate to the dead.
- ➤ Near death experiences are when someone who was close to death wakes up and claims to have had a temporary experience of the afterlife.

Atheists reject paranormal activity due to lack of scientific evidence of anything spiritual. They may claim infrasound (sound waves effecting our brains), waking dreams (psychological issues) or grief (wanting to believe as a comfort) is the cause of what some see as paranormal activity.



Life after Death

Year 8 Religion, Philosophy & Ethics

Muslim Beliefs

- Muslims believe in life after death (akhirah).
- Evidence for Muslims is found in the holy book the Qur'an which contains God's teachings.
- Muslims believe that when a person dies they go to a place called Barzakh to await judgement. Once the Day of Judgement comes, all bodies will be resurrected to await judgment.
- After judgement, Muslims believe those who have passed the test (are righteous according to God) will go to paradise and those who fail will go to hell (Jahannam).
- Paradise (known as Al-Jannah) is described in the Qur'an (Muslim holy book) as a wonderful garden.
 Believers go here if they are a real Muslim who has pleased God (Allah) during their life.
- Hell (known as Jahannam) is described as being fire, black smoke and boiling water. It is a place of punishment where those who deserve it face endless pain and torture, mainly, for turning away from Allah.











Buddhist Beliefs

- Buddhists believe that life is a cycle of death and rebirth called samsara, which means when we die our energy/spirit is born again in another body. Buddhists aim to escape the cycle.
- By living a good life (following the Buddha's teachings through the eightfold path e.g. avoid evil, do good deeds and meditate) Buddhists believe they can bring about good karma which means they will have less suffering in the future.
- If a Buddhist follows the Buddha's teachings perfectly they can come to understand the true reality of the world which means they become enlightened and are no longer stuck in the cycle of rebirth.

Hindus also believe in samsara and rebirth. **Sikh's** believe in reincarnation too but unlike Buddhists they believe we have soul and that is what is reincarnations (up to 8.4 million times).

Christian Beliefs

- Christians believe that their soul will live on after death immortality of the soul. Most Christians believe, where the soul goes depends on the judgement they receive from God.
- Heaven is a place of perfection (often described as paradise) and is where believers go to be with God if have lived a morally good life and have accepted Jesus as their savior.
- Jesus said "I am the way, the truth and the life" Christians believe it is through Jesus and His forgiveness that they can achieve eternal life.
- Hell is a place of eternal separation from God. God does not send people
 to hell, it is the absence of being in heaven. Those who do not follow
 God's teachings cannot enter heaven due to their sin so they live eternally
 separated from Him in hell.
- Some Christians, called Catholics, also believe in purgatory which is where they get rid of their sins before entering heaven.
- Christians believe Jesus was crucified (killed on a cross) but rose from the
 dead two days later. The Bible recounts that Jesus then spoke to over 500
 people before rising up to heaven. Jesus' resurrection is proof of life after
 death according to Christians.
- The leader of the Church of England, Archibishop Justin Welby, believes that religion is a positive force in our lives and communities which help support and guide people in times of need and grief.

The differences that occur both between different species and within the same species are called variation.

There are 2 types of variation:

- Continuous: A characteristic that changes gradually over a range of values
- e.g. Height & Weight
 - Discontinuous: A characteristic of any species with only a limited number of possible values

e.g. Eye Colour & Blood group

Variation can be caused by **inherited** (e.g. eye colour, blood type) and **environmental** (Hair length, accent) factors.

Evolution is the theory that all the kinds of living things that exist today developed from earlier organisms. The differences between them resulted from changes that happened over many years.

Both humans and chimpanzees have evolved from a similar ancestors dating around 3.8 million years ago from simple life forms.

The most recognised theory of evolution is the theory of **Natural selection**' by **Charles Darwin**.

1. There is variation within populations

2. The best adapted organisms have a better chance of survival

3. These organisms then have a better chance of <mark>reproducing</mark>

4. The genes for survival are then passed onto the offspring

5. The process continues over many generations

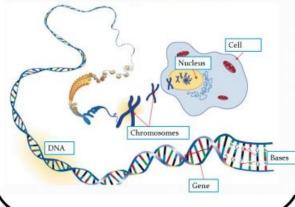
Fossils are the preserved remains, impressions or traces of animals, plants and other organisms that lived millions of years ago.

ossilized remains only form in the absence of microbes, which need food, oxygen, water and warmth. There are gaps in the fossil record

ONA from different organisms can be compared. The fewer differences, the less time since they shared a common ancestor.

Y8 Bio T2- Variation & DNA

- DNA stands for Deoxyribose nucleic acid
- DNA is contained within the nucleus of cells.
- Chromosomes are made up of large molecules of DNA which has a double helix structure
- Human cells contain 46 chromosomes.
- A small section of DNA is called a gene.



Extinction is when there are no remaining individuals of a species still alive.

Causes of extinction may include:

- Change in environment/ natural disaster
- New predator
- New competitor
- New disease

Genetic engineering is about changing the DNA

of a living thing to change its characteristics.

Stage	Example
Select the product or characteristic needed	Bioluminescence
Isolate/cut the genes from DNA using an enzyme	Jellyfish DNA
Insert the genes into target DNA using an enzyme	Mouse DNA
Replicate the new organism/ early stage	Mitosis

Chromosomes contain the same type of genes that code for the same characteristics, such as eye colour.

Each chromosome in the pair, however, may have a different **version** of the gene.

Each different version of a gene is called an allele.

Blue eyes is because of a **RECESSIVE** allele. **Brown eyes** is because of a **DOMINANT** allele.

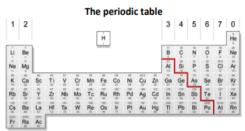
What are the chances their child will Dad- Brown eyes (BB) have brown eyes? Mum- Blue eyes (bb) Steps to a genetic cross Parent 2 Set out a punnet square b like this Write in each parents alleles (in letters) Match up the letters in Bb Bb each of the 4 boxes Work out which eye colour each option will have Brown Brown Work out the % of all of Bb Bb Answer= 100% Brown B o% Blue Brown Brown

Selective breeding is a process used to produce different breeds of animals or varieties of plants that have useful characteristics.

- 1. Choose parents with characteristics we are looking for from a mixed population
- 2. Breed them together ...
- 3. Select the offspring that have inherited the characteristics we want
- . 4. Breed the offspring together
- 5. Repeat this over several generations

Selective breeding can lead to 'inbreeding'
This means that some species are particularly prone to inherited disease or inherited defects ... 'best in show' isn't always 'best in health'!

46



There are over 100 different elements. All the elements are shown in the **Periodic Table**. Each element has a **chemical symbol**, which is usually one or two letters.

A symbol is written with the first letter as a capital, and the second letter is small.

The arrangement of the periodic table gives us information about the structure of the atoms and the elements properties.

Extracting metals

Metals are usually found in the ground as metal oxides (for example iron oxide or copper oxide). Metal oxides are in rocks. If there is enough metal oxide in the rock to make it worthwhile extracting we call it an ore.

Metals can be extracted from metal oxides by removing the oxygen. This is called **reduction**. A substance that is more reactive than the metal is used to remove the oxygen. This is usually carbon:

Copper oxide + carbon \rightarrow copper + carbon dioxide

Carbon cannot extract aluminium from aluminium oxide as carbon is less reactive than aluminium:

Aluminium oxide + carbon → X

Aluminium is separated from aluminium oxide by **electrolysis**.

Displacement reactions

Metals can also be extracted from compounds by reacting them with more reactive metals. For example:

Copper sulphate + magnesium \rightarrow copper + magnesium sulphate.

Here the magnesium has displaced copper because magnesium is more reactive than copper.

Year 8 chemistry term 2 - Periodic table and metals

Patterns of reactivity

Metals may react with substances around them in the environment such as air, water and acids.

Some metals react very easily or quickly. They are **reactive**. Other metals do not react very easily and are described as **unreactive**. The most reactive metals are found on the left-hand side of the Periodic Table. Less reactive metals are found in the centre of the Periodic Table.

Group 1 metals and water

The group 1 metals react readily with water. They float on the surface and move around releasing bubbles of gas. When universal indicator is added to the water, it goes purple, an alkali has been formed.

When group 1 metals react with water they form **hydrogen** gas and a metal **hydroxide**.

metal + water -> metal hydroxide + hydrogen

For example:

sodium + water → sodium hydroxide + hydrogen
Na + H₂O → NaOH + H₂

The group 1 metals increase in reactivity going down the group.

Metals and acid

The reactivity of metals can be compared by observations of their reactions with acid. The more reactive the metal the faster the bubbles of gas are given off. We can also compare the change in temperature. The bigger the temperature change the more reactive the metal.

The metals that react with water also react very quickly with acids. Some metals that don't react with water do react with acids. When metals react with acids, they produce hydrogen and a **salt.**

metal + acid -> salt + hydrogen

The name of the salt formed depends on the name of the acid:

- · sulphuric acid makes sulphates
- nitric acid makes nitrates
- hydrochloric acid makes chlorides.

Writing equations

We can write **word equations** to show a chemical reaction. The chemicals that you start with are called the **reactants**. The chemicals at the end are called the **products**. For example:

We can use the symbols and formulae to write balanced symbol equations. An equation is only balanced when there are the same number of atoms of each type on both sides of the equation.

An equation can only be balanced by putting numbers in front of formulas – you cannot change the formula itself.

For example:

The reactivity series

Metals can be arranged in a **Reactivity Series**. The most reactive metals are placed at the top of the table. The position of the metals allows us to understand how it will react.

potassium sodium lithium calcium magnesium zinc iron copper silver gold most reactive destreactive

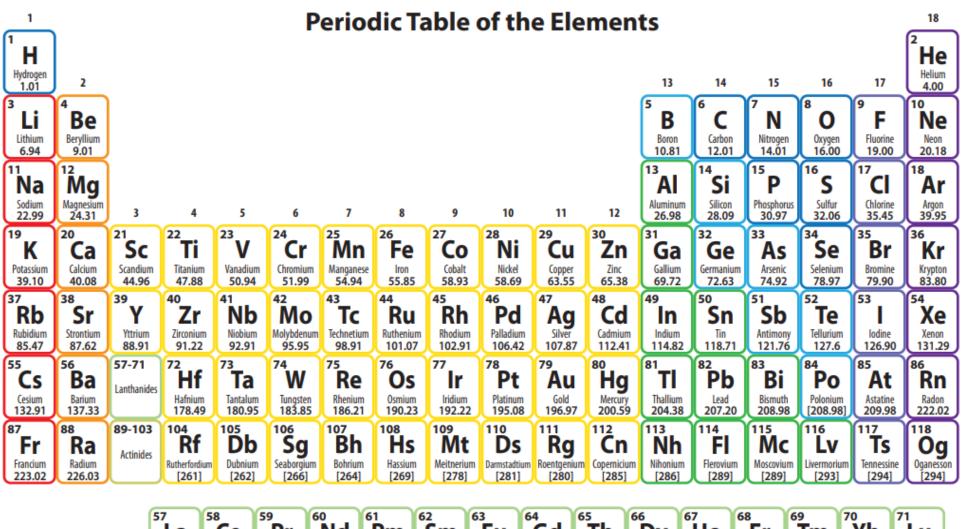
Even though carbon is a non-metal it will fit into the reactivity series. It fits between magnesium and zinc.

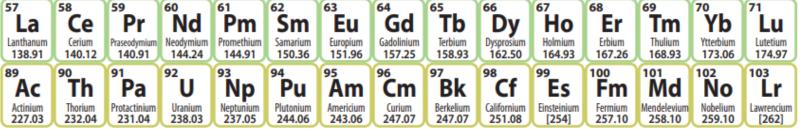
Metals and recycling

All of the metals that we use we get from the Earth's crust. There is a limited amount of each metal available, they are a **finite** resource. We must use them carefully.

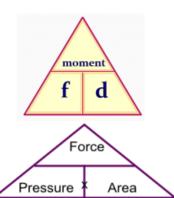
One way to make resources last longer is to recycle them.

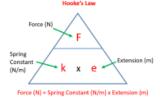
Metals are easily recycled. They need to be separated then they can be melted and remoulded to make new objects. The energy needed to do this is less than the energy needed to obtain new metals from the raw materials. Aluminium is a valuable metal that melts at a relatively low temperature, so it is particularly attractive for recycling.





Alkali Metal Alkaline Earth Transition Metal Basic Metal Metalloid Nonmetal Halogen Noble Gas Lanthanide Actinide





Pressure is calculated as:

$$P = \frac{F}{A}$$

P = Pressure (Pa) F = Force (N)

 $A = Area (m^2)$

If a force is spread over a larger area, it gives a smaller pressure, for example in snow shoes.

If a force is spread over a smaller area it gives a larger pressure, for example in a knife.

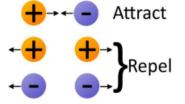
Year 8 Term 2 Physics – Mechanics

The three states of matter are solids liquids and gases.

In solids, the particles have little energy and the forces of attraction between them are strong. In liquids, the particles have more energy than in solids and the forces of attraction between the particles are weaker than in solids. In gases, the particles have high energy and the forces of attraction between the particles is weak.

Static electricity is the build up of charge. Friction between two materials may cause electrons to jump from one material to another. The material that gains the electrons becomes negatively charged and the material that has lost electrons is positively charged.

Opposite charges attract, same charges repel.



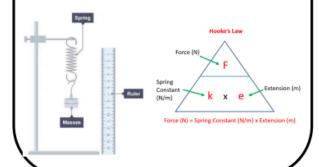
When a force is applied to an object and a turning effect is produced, we name this a moment,

moment = force (N) × distance from pivot (m)

Where moments are generated, a force is exerted at a given distance from a pivot. A moment is therefore greater if the force applied to a system is greater, and the distance from the pivot is greater.

The principle of moments states that the sum of clockwise moments must equal the sum of anticlockwise moments in order for a system to be balanced.

When a force is applied to a spring, the spring extends. The extension of the spring is directly proportional to the force applied to it. For example, if we double the force on the spring, the extension of the spring will double. We can investigate this by hanging masses of a spring and measuring its extension each time (see diagram). The spring constant of a spring is a measure of how many newtons are needed to stretch a spring by 1m. A stiffer spring needs more force to stretch it, so has a higher spring constant. It can be calculated using the equation:



Year 8 Half Term 3 Spanish Knowledge Organiser

Unit 3: Mis Pasatiempos

3.1 Mi tiempo libre

navegar por Internet

salir con mis amigos

practicar deportes

ver la tele

la discoteca

estupendo/a

favorito/a

interesante

el programa

el tipo

los pasatiempos hobbies bailar salsa to dance salsa chatear en el móvil to chat on the phone to relax at home descansar en casa escuchar música to listen to music jugar a la videoconsola to play on the games console to read books leer libros

> to do/play sports to go out with friends to watch TV nightclub wonderful favourite interesting

to surf the Internet

programme

type

3.2 Soy muy deportista

los deportes sports water sports los deportes acuáticos jugar al... to play... bádminton badminton baloncesto basketball balonmano handball béisbol baseball fútbol football golf golf rugby rugby tenis tennis volleyball voleibol hacer... to do... athletics atletismo ballet ballet

boxeo boxina ciclismo cvclina equitación horse ridina gimnasia gymnastics natación swimming with con deportista sporty el/la deportista sportsperson diferente different excelente excellent terrible terrible el equipo team el partido match la selección national team nacional

3.3 Mis gustos deportivos

aburrido/a boring apasionante exciting difícil difficult divertido/a fun emocionante exciting fácil easy lento/a slow rápido/a fast me chifla 1 love me fascina... ... fascinates me

me interesa... ... interests me I love me mola

en mi opinión in my opinion para mí for me

because porque

talentoso/a





3.4 ¡Brrr! ¡Hace frío!

weather el tiempo What's the ¿Qué tiempo hace? weather like?

hace (mucho) it's (very) hot calor

it's cold hace frío hace sol it's sunny it's windy hace viento

hav niebla it's foggy hay tormenta it's stormy

llueve (mucho) it's raining (a lot) it's snowing nieva

el pronóstico forecast



el frío cold el invierno winter la lluvia rain la niebla foa la nieve snow el sol sun la tormenta storm el viento wind cuando when if si

3.5 ¡Somos fanátic@s de la música!

el/la actor/actriz actor/actress to act/perform actuar el/la artista (performing) artist la canción song el/la cantante singer

to be in touch with estar en contacto con

famoso/a el/la famoso/a el/la fan Internet popular el/la rapero/a talentoso/a

la visita

famous famous person fan Internet popular rapper talented view (e.g. on YouTube)

3.6 Su foto tiene muchos 'me gusta'

el estilo style photo/picture la foto el grupo group to influence influenciar el/la jugador(a) plaver like (on social network) 'me gusta' el miembro member la personalidad personality la red social social network el/la seguidor(a) follower to use usar simpático/a kind, nice sociable sociable

talented

Spanish

Year 8 Half Term 3 Spanish Knowledge Organiser

Unit 3: Mis Pasatiempos

3.1 Mi Tiempo libre															
En mi tiempo libre – in my free time		me gusta I like	escu juga leer	cansar en cas uchar música ar a la videoc libros egar por Inte	onsola	to listo to pla to rea	ax at home ten to muse ay on the pad books of the Inte	usic games console		y – and o - or		on amigo televisión	_	ut with frier h TV	nds
3.2 Soy muy deportista	3.2 Soy muy deportista														
Me gustan los deport I like sport	res	y me gusta jug and I like to pl		baloncesto balonmano béisbol fútbol	0	basketball handball baseball football		pero no me but I don't I			-			_	
3.3 Mis gustos deportiv	3.3 Mis gustos deportivos														
me chifla I love me fascina fascin me interesa intere		el baloncesto el balonmano el béisbol el fútbol	han bas	sketball ndball seball tball		rque es cause it is	(difícil divertido/a emocionante		difficult fun exciting		– and - or		cil nto/a pido/a	easy slow fast
3.4 Brrrj Hace frío!															
Cuando hace (mucho) When hace frío hace sol	i		ne gust like to	ta jugar al play	el balor el balor el béisb el fútbo	nmano <i>ha</i> ool <i>ba</i>	asketball andball aseball otball	pero cuand but when	iol ·	ve (mucho)	it's stormy it's raining (it's snowing	(a lot) p	refiero	escuchar música leer libros	to listen to music to read books
3.5 ¡Somos fantatic@s	3.5 ¡Somos fantatic@s de la música!														
Mi actor/actriz favorito Mi canción favorita Mi cantante favorito	My fav	vourite actor/actre vourite song vourite singer	ISS	se llama. is called		Es he is/ she	e is		uy astante n poco	very quite a little	<u> </u>		opular alentoso/	popula 'a talente	
3.6 Su foto tiene much	3.6 Su foto tiene muchos 'me gusta'														
Mi famosos favorito se llama	me gus me end			-	que es ause he,			opular y opular and	tiene he/ sh has	he un	a buena pe estilo atrad Ilones de se	ctivo	ar	good perso n attractive nillions of fo	style

Spanis

Year 8 Half Term 4 Spanish Knowledge Organiser Unit 4: Mi Casa

4.1 Donde vivo yo

antiguo/a old el pueblo town histórico/a historic to live vivir moderno/a modern la zona area las afueras outskirts la brújula compass la aldea villaae el este east el campo countryside el noreste northeast el centro centre el noroeste northwest la ciudad citv el norte north la costa coast el oeste west desert el desierto los puntos Compass cardinales points la isla island el sur south el mar sea southeast el sureste la montaña mountain(s) el suroeste southwest la playa beach

4.2 Mi casa es tu casa

el apartamento apartment el área area block el bloque la caravana caravan la casa house la casa de campo country house el castillo castle el chalet villa la granja farm el piso flat el rascacielos skyscraper la región region la vista view bonito/a pretty cómodo/a comfortable

espacioso/a spacious lujoso/a luxurious nuevo/a new viejo/a old



4.3 ¡Pasa, pasa a mi casa!

rooms habitaciones downstairs abajo afuera outside arriba upstairs toilet el aseo el ático attic el balcón balcony el baño bathroom la cocina kitchen el comedor dining room el dormitorio bedroom las escaleras stairs el garaje garage el jardín garden

in el trastero storage room vender to sell

hall, corridor

to be located

living room

el pasillo

el salón

situarse en

4.4 Mi habitación es mi reino

los muebles furniture el armario wardrobe bed la cama el espeio mirror la estantería shelves, bookcase la lámpara lamp table la mesa el ordenador computer el póster poster la silla chair window la ventana al lado de next to



debajo de underneath delante de in front of detrás de behind encima de on top of entre between

4.5 Mi casa de ensueño

estaría

enorme enormous habría there would be exótico/a exotic me gustaría I would like I/it would be impresionante impressive sería I/it would have tendría luminoso/a bright privado/a private la caseta kennel el cine cinema el estudio study la piscina swimming pool el trampolín diving board la ubicación location

I/it would be

4.6 Ayudo en casa las tareas household domésticas tasks/chores los trabajos iobs corto el césped I mow the lawn hago la colada I do the washing lavo/friego los I wash the dishes platos ordeno mi I tidy my room dormitorio paso la I do the hoovering aspiradora pongo la mesa I lav the table quito el polvo I dust

quito la mesa

plancho la ropa I iron

I clear the table

una vez once dos veces twice al día per day a la semana per week al mes per month todos los every day días fregar to wash to do hacer limpiar to clean planchar to iron to share repartir fácil easy horrible horrible perezoso/a lazv relajante relaxing 52

panish

Year 8 Half Term 4 Spanish Knowledge Organiser Unit 4: Mi Casa

					_			
4.1 Donde vivo yo								
Vivo en I live in	un pueblo una aldea una ciudad	a village/town a village a city	antig	de big ueño/a small guo/a old erno/a modern	que se llama that is called	que está that is	en el sur en el este	in the north in the south in the east in the northwest
4.2 Mi casa es tu casa								
Vivo – I live Vive- he/she lives Vivimos we live Viven – they live	en una granja - on a farm un rascacielo - in a skyscraper una casa - in a house un castillo - in a castle			viejo/a nuevo/a espacioso/a cómodo/a	- old - new - spacious - comfortable	con vistas de with views of	las montaña: la playa la costa el campo	s - the mountains - the beach - the coast - the countryside
4.3 ¡Pasa, pasa a mi ca	asa!		'					

En mi casa in my house	arriba abajo afuera	- upstairs - downstairs - outside	hay there is/ there are	un salón una cocina un dormitorio	- a living room -a kitchen - a bedroom	y también and also	un comedor un garaje	- a dining room - a garage
	aiucia	- outside		el dormitorio de mis padres	- my parents' bedroom			

						I The second	
En mi dormitorio in my bedroom	la cama la lámpara la mesa	- the bed - the lamp - the table	está is	debajo de delante de detrás de	underneath in front of behind	la ventana la puerta el armario	- the window - the door - the wardrobe

4.4 Mi habitación es mi reino

4.6 Ayudo en casa

En mi dormitorio in my bedroom	la lámpara la mesa	- the lamp - the table	está is	delante de detrás de encima de	in front of behind on top of	la puerta - the door el armario - the wardrobe
4 5 4 4						

En mi casa de ensueño in my dream house	habría	- there would be	una piscina enrome - an enormous swimming pool	estaría en	España – Spain
	me gustaría	- I would like	un cine privado - a private cine	it would be in	Francia – France
	tendría	- it would have	un jardín exótico — an exotic garden	(location)	Ios Estados Unidos - USA

En mi casa tengo que in my house I have to hacer las tareas domést do household chores	icas por ejemplo for example	una vez a la semana dos veces a la semana una vez al mes todos los días	once a week twice a week once a month every day	pongo la mesa quito el polvo quito la mesa plancho la ropa	I dust I clear the table	53
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