

Buckler's Mead Academy





Inspiring Education for All

Name:

Tutor:

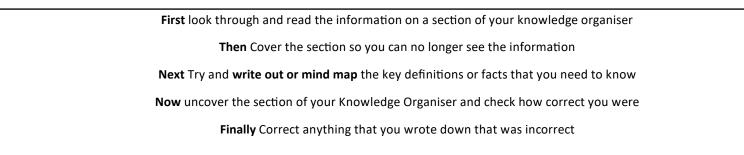
Ready, Responsible, Respect

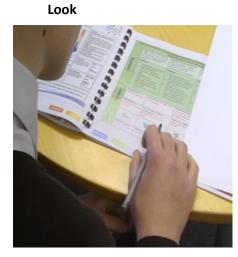
How to use your knowledge Organiser Self –Quizzing.

Your knowledge organiser contains all of the key information you need to know for each subject area.

Your knowledge organiser will allow you to revise this key information and make sure it is stored and retrieved from your long-term memory

The best way to use this resource is by self-quizzing through the "look, cover, write and check"













Page 1

Community

Cover

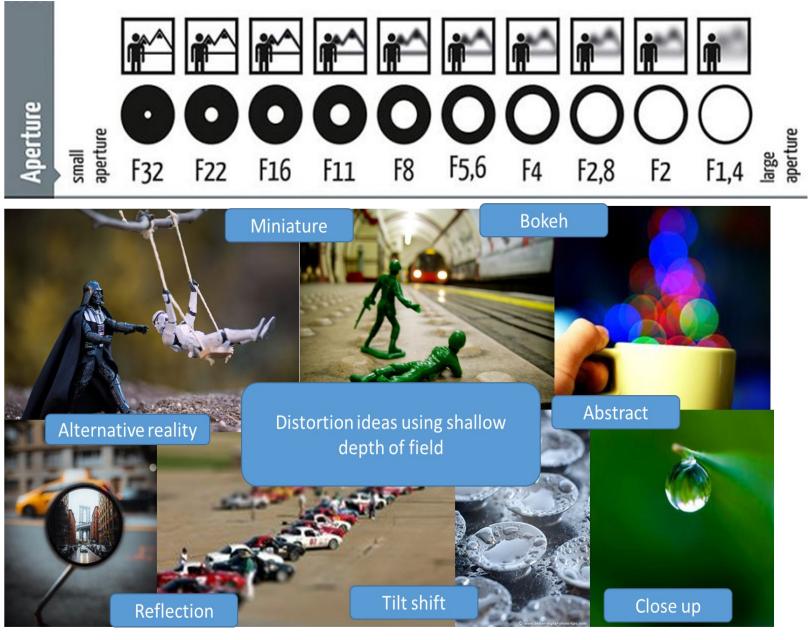
Write

Check

Aperture



The Av setting is most useful in situations when you know that you want a **shallow or deep depth of field**. If you're shooting a portrait, you'll often want a shallow depth of field (to isolate and bring attention to your subject's face) so open up to f/4 or something similar (small f number).



Art & Photography



Community

Figures and Patterns

KEY WORDS Pattern (Repeated shape) Elaborate (Detailed and carefully arranged)

Decorative (Attractive decoration)

Gustav Klimt (July 14, 1862 -February 6, 1918) was an Austrian Symbolist painter and one of the most prominent members of the Vienna Art Nouveau (Vienna Secession) movement. His major works include paintings, murals, sketches, and other art objects, many of which are on display in the Vienna Secession gallery. Klimt's primary subject was the female body,

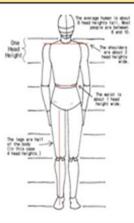




Lisa Grue graduated from the Design School of Denmark in 2001, where she studied illustration, fashion and fine art. She started the creative platform Underwerket in 2002 and has carved quite a name for herself and Underwerket with her work in illustrations and graphic design for books, fashion and design magazines, as well as fashion labels.







Artist Research

LARTIST NAME

On the page you should write down the artist's name. This could either be hand written in a suitable lettering or printed from the computer.

2. MAGES

Print and stick down images of your artist's work. Make sure they are high quality and not pixelated.

3. ANALYSIS

For each artist you must analyse at least one piece of their work in depth. Use the Analysing Artists prompt sheets to guide you with what to write. This can either be NEATLY hand written or typed and printed.

4. STUDIES

Complete a study for each artist you research. This could be a copylstudy of a section of the artists work **OR** your own interpretation in the style of the artists work, if you have time it would be beneficial to do both?



General information about the artist: who are they? When did they work? What media do they work in? Are they well known for their work, if so why? Are they part of a genre of art or art movement? Is there anything significant about their life that might have inspired their work?

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk 7
Task	Gustav Klimt	Own Response	Lisa Grue research	Own Response	Own artist choice research	Figure Drawing from Primary sources	Patterns Double page Patterns Double page
HWK	Gustav Klimt	Own Response	Lisa Grue	Own Response	Own artist choice	Own Photographs Of figures	

Art & Photography

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Enjoyment

Relationships and Families

Key Terms

Human sexuality- how people express themselves as sexual beings.

Heterosexual- relationships with the

opposite sex.

Homosexuality- relationships with the same

sex.

Contraception- methods used to prevent pregnancy.

Family planning- controlling how many children as couple has.

Marriage- a legal union between two people. **Civil partnership**- legal union between two people of the same sex.

Same-sex marriage- marriage between

partners of the same sex.

Cohabitation- when couples live together without getting married.

Divorce- legal ending of a marriage. **Remarriage**- someone marries again.

Annulment- a catholic ruling that says a marriage is not valid.

Polygamy- when some has more than one wife.

Procreation- bringing babies into the world. **Gender equality-** the idea that men and women should have the same rights and responsibilities.

Gender Prejudice- unfairly judging someone because of their sex.

Sexual stereotyping- fixed ideas about gender.

Gender discrimination- treating someone differently because of their sex.

Religious Teachings

- " All people were created equal by God"
- Natural Law- all actions should allow for
- procreation and creation of life. "You shall not commit adultery"

"You shall honour your mother and father" "whoever sins sexually sins against their own

bodies

The network and numbers of femily

- The nature and purpose of family

 Nuclear family- parents and children
- Extended family- parents and children and
- wider family members

 Reconstituted family- family with adults
 - who have children from previous relationships.
 - Christians and Muslims believe that it is important to raise their child in the faith so that these customs and traditions are passed on to the next generation.
 - The Bible teaches Christians to 'Honour your mother and father'.
 - Muslims believe that it is important to look after their elderly relatives. To not do so is disrespectful and dishonourable.

Gender Equality

Religion supports inequality because-

- God is often describe as a male in the Bible.
- Catholics do not allow female priests.
- Jesus was male.
- The Bible contains stories about mostly male role models.
- Islam- women are expected to where the Hijab and dress more modestly than men.

Sexual Relationships

- Christians believe that sex expresses a deep and lifelong union that should take place within marriage.
- The Bible says " whoever sins sexually, sins against their own body which is a temple of the Holy spirit"
- Sex outside of marriage is seen as adultery in Islam and Christianity.
- The 10 Commandments say "You shall not commit adultery"
- The Quran forbids sex outside of marriage.

Sexuality

- Some Christians are against homosexuality as the old testament says that sex between two men is forbidden.
- Most Christians and Muslims teach that homosexuality is against God's will and the purpose of sex should be procreation.
- Some Muslims and Christians see homosexual relationships as acceptable as long as they are in loving and committed relationships.

Marriage an divorce

- Christians believe that marriage is a gift from God and should be treated with respect.
- It is a sacrament that reflects God's love for creation.
- Islam see it as a lifelong commitment intended to share love and commitment.
- Some Christians see divorce as sinful and to remarry is seen as adultery.
- Islam sees divorce as 'Hateful to Allah'
- Both Islam and Christianity see divorce as the lesser of two evils in some circumstances.

Contraception and family planning

- 3 Main types- Artificial e.g. condoms, Natural- rhythm method and permanent- sterilisation.
- Benefits prevents spread of STDs, helps prevent unwanted pregnancies, and reduces overpopulation.
- Catholics- contraception goes against natural to procreate.
- Other Christians believe that the two purposes of sex- to have children and express love- should not be separated.
- Other Christians allow contraception within loving relationship to allow them to have a child at a suitable time.
- Other Christians allow contraception to prevent the spread of HIV and AIDs.
- Islam- there is no teaching in the Quran but most Muslims see contraception as acceptable as long as it is used within marriage for family planning purposes.

Religions supports equality because-

- Some Christian denominations allow female clergy (priests etc).
- In the Bible God is referred to and described as a female. It is just not always quoted.
- "There is neither male or female....all are one in Christ"
- Islam teaches the idea of uhmah meaning equality between all people.
- Islam has similar rules on dressing modestly for men and women. Both should cover the top of their heads and wear suitable clothing.

Opportunity

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Beliefs & Values



LO1: Planning Projects

Project Life cycle – The project life cycle is the series of steps and processes followed to complete a project. It consists of

- Initiation
- Planning
- Execution
- Evaluation

Advantages of the Project life cycle

There are several advantages of following a project life cycle

- 1. Provides a structured approach to the project.
- 2. Each phase has particular inputs and outputs.
- 3. Each member of the project team has clearly defined roles.
- 4. Resources (people, hardware, software etc.) are allocated in advance.
- 5. The project manager can monitor the progress of the project over time.

Tools

Project managers of a number of tools at their disposal

SMART Targets – Targets are considered 'SMART' if they are Specific, Measurable, Achievable, Relevant and Timed

Computing

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Key Terms-Project Life Cycle-The phases: Initiation, Planning, Execution, Evaluation **SMART Objectives-**Target setting that is Specific, Measurable, Achievable, Relevant, Timed **GANTT Charts**– A visual method of viewing timings **PERT Diagram**– Program **Evaluation Review Tech**nique Critical Path- the shortest sequence of tasks to complete a project SWOT-Strengths, Weak-



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Food choice

many factors, such as:

Food choices for a balanced diet depend on

· advertising and other point of sale

Budgeting

eating the seasons;

There are many things that we can do to spend money

To find out more, go to: https://bit.ly/3dpC9Fj

wisely on food. Examples can include:

Food choice



 advertising and other point of safe information; cost and economic considerations; cultural or religious practices; environmental and ethical considerations; food availability; food preferences; 	 eating the seasons, stocking up on food with a long shelf-life; taking time to plan meals and write a shopping list; cooking using one pot; making fake-aways rather than buying takeaways; using leftovers; replacing branded items with cheaper items; 	 colour, size and shape of clockely and cutery used; portion size; serving style; taste, aroma, texture, appearance, shape and colour of food. 	Advertising : Advertising is a form of communication for marketing and used to encourage, persuade, or manipulate an audience to continue or take some new action. Ethical: Relating to personal beliefs about what is morally right and wrong. Food certification and assurance
 food provenance; health concerns; individual energy and nutrient needs; portion size; social considerations. 	 comparing prices and shop around to find the cheapest items; growing your own food. 	Food provenance is about where food is grown, caught or reared, and how it was produced. Food certification and assurance schemes guarantee defined standards of food safety or animal welfare. There are many in the UK, including:	schemes: Defined standards of food safety, quality or animal welfare. Food provenance: Knowing where food was grown, caught or raised and how it was produced. Marketing: Promoting and selling products
Consumer information Information can help consumers make informed choices, including: • advertising and marketing;	Cultural or religious practices People around the world choose to eat or avoid certain food due to their cultural or religious practices. Religion Pork Beef Lamb Chicken Fish	Red Tractor The British Marine Stewardship Lion mark Council	or services, including market research and advertising. Religion: A particular system of faith and worship.
 media, online blogs/forums; packaging, nutrition and health claims; point of purchase information and product 	Islam x Halal Halal V only only only	Health concerns	Seasonal food: Food grown at a particular time of year.
placement; • recipe ideas.	Hinduism X X ✓ ✓ ✓ Judaism X Kosher Kosher Kosher ✓ only only only only only Only	People may choose their food based on their own or their family's health and wellbeing: • allergy and intolerance, e.g. lactose intolerance,	Portion size Having a healthy,
Cost and economic considerations The cost of food and money available will influence people's food choices. If money is limited, people may choose to buy more basic items. Luxury items might then be selected for	Sikhism x x y y Buddism x x x x (strict) x x x Seventh- x x y day Adventist y	 allergy and intolerance, e.g. factose intolerance, coeliac disease, wheat allergy, diary allergy; body image; health issues, e.g. coronary heart disease, type 2 diabetes, inflammatory bowel disease, over or under malnutrition; 	balanced diet is about getting the right types of foods and drinks in the right amounts.
special occasions.	Church Church Rastafari x x x x movement x x x x x	mental health. Individual energy and nutrient needs	Social considerations Body image and peer pressure. Development of ready meals and a wider
 Food prices can and do change throughout the year and over time. This may be due to a variety of reasons, including: climate and weather patterns; crop failure; crop failure; seasonality; consumer demand: 	Environmental and ethical considerations Some considerations when buying food might be: • fair trade; • local food; • genetically modified (GM) food; • organic food; • free,range.	The amount of energy and nutrient needs between different age groups and between males and females. Energy needs also depend on activity levels. For example, athletes will have much higher energy requirements due to their high level of physical activity.	 Development of ready means and a wider range of convenience foods. Development of labour saving devices. Lack of competence and confidence in the kitchen. Lack of time. Living arrangement (e.g. living alone).
 consumer demand, agricultural costs increase; fuel prices go up; increased use of bio fuels. 	Food availability Buying food when it is in season will often mean that the price is lower. Technology and the importation of food has allowed food to be available all year round.	 Task Consider your own household and create a mind map affect your food choice. Explain how different this migi Explain why food provenance is important to some co certification and assurance schemes. 	ht be to your grandparents at your age.

Personal preferences

preferences, including:

A number of factors can influence personal

· colour, size and shape of crockery and cutlery

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Opportunity

Food & Nutrition

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Enjoyment

Key terms

Advertising: Advertising is a form of

Key Textile Techniques to try	Keywords to use in your analysis	Media you can use to record ideas
 Applique Batik Beading CAD Couching Embroidery Felting Knitting Macramé Mola 	 Aesthetics Style Process Trend Shape Connotation Pattern Textile Technique Decoration Movement Repetition Colour Scale Line Structure 	Design ideas / drawingInsights / written annotation• Pencils• Written – pen / pencil• Collage• Written – pen / pencil• Paints• Bullet points / key words / paragraphs• Charcoal• Typed up on the computer• Pen• Artist Markers
How to Analyse a Designer / Artist:	How to Evaluate a sample:	Photoshop (CAD)Photographs
 Introduce the work of your designer or artist (key facts only), how does their work fit into trends at the time it was produced or current trends? Are there any social, environmental, moral, issues surrounding your designers work? Consider what key features appear regularly in your designers work, why might that be? What colours do they use a lot of? What effect does this give? Who do you think their designs are aimed at? Why? Explain what you like / dislike about the designs and why that is. What techniques has the designer used? Why? Could different techniques be used to create different effects? How will this designer inspire your work? How does the designer fit into the theme? What techniques will you sample? Why? 	What have you done? What techniques did you use? What inspired you? How does it relate to your theme? How have you done it? What did you like / dislike about the technique? Was it successful? Why / why not? How could you improve? What else could you try? Is there anything you would change? Why? How will you develop your work now? Batik: Dyeing a piece of fabric after first applying a wax resist pattern or picture	How to annotate a design: What textile techniques have you used in your designs? Why? How does it link to the samples you have done? Is you design inspired by any of your sources? How? Why? What materials would you use? Why? How does this design link to your theme? What developments would you make to your designs? Why? Mola: Layers of fabric are stitched together – small sections are cut and sewn folded over to create an image (reverse applique) – similar but <i>neater</i> finish than Cutting
	Textiles	

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Opport

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Enjoyment

Success

	Engineering Component 2A Engineering Component				-	ring Component 2C		
	 Task; Understand materials, components and processes for a given engineered project Evidence ✓ Annotated assembly and detailed drawings ✓ A list of components, materials and processes used ✓ Research notes ✓ Notes to evaluate the materials, components and processes you have researched ✓ Images in support of your work 		Task; to produce a proposal for an eng product to meet the requirements of a c	ineered e		plan the manufacture and red product	safely reproduce/	'inspect/test a giver
Engineering			 ✓ An observation record ✓ Annotated photographs of your labelled components ✓ Inspection/dimensional data sheets ✓ Written commentary showing a description of each component, their purpose and how they link/work/fit together ✓ A PDS with justification 		discussion with your assessor			ther notes after
Engin					 Observation records Annotated photographs of you making your component Inspection/dimensional data-a record of the measurement other observations on quality, plus comments about any of how to resolve them Written commentary showing your evaluation of the succe production plan and production of the component and an improvements Your finished component 		surements and out any errors and the success of your	
ords	Components = A part of something	Annotat on a dra	ion= to make notes wing	Component	s that you	specific components= I can find anywhere they a ts that are specific to the	-	= taking a product lysis
Key words	Properties= the characteristics of a material	Specifica	duct Design ation= a list of o product must	-		ntrol = checking at every urements and quality are		cesses such as , cutting out/wastir ng
	1	7	2		3	4	5	6
	Engineers square	Metal wo	orking vice	Pillar drill		Centre punch	scriber	Vernier caliper

Community

Engineering



The Merchant of Venice Knowledge Organiser

	1	
Anti Semitism (n)	Hostility towards Jews	L. sem: Son of Noah (Jewish descend- ants) G. anti : against
Adhere (v)	To closely follow or stick to something	L. ad: to and 'haerere': stick
Femininity (n)	Qualities characterised as belonging to women	L. femininus: woman
Interest (n)	Money paid against a loan that remains unpaid	L. interesse: difference
Judaism (n)	The Jewish religion	L. ludaismus: to side with or imitate the Judeans
Justice (n)	Something that is fair and reasonable	L. jusuts: administration of the law
Loyalty (n)	As strong allegiance or support for something	Old French. loialté, : legal
Masculinity (n)	Qualities characterised as belonging to men	L. masculus: male.
Melancholy (n)	A feeling of sadness with no particular cause	G. melan: black and kholic: bile
Merchant (n)	Someone involved in trade	L. merc: merchandise and chari: to trade
Mercy (n)	Choosing to forgive someone instead of harm them	F. merci: pity
Patriarchy (n)	A society or government where the father is the head of the family and has superior authority	G. patriarkhes: father
Prejudice (n)	Opinion not based on reason or actual experience	L. prae: in advance judicum: judge- ment
Prodigat (adj.)	Spending money freely, wasteful extravagance	L. prodigus: lavish
Revenge (n)	Hurting someone in return for an injury or wrong	L. re: expressing intensive force vindi care: claim, avenge
Stereotype (n)	A fixed and oversimplified idea of a particular type of person or thing	G. stereos: solid, typos: impression
Torment (n)	Severe physical or mental suffering	L. tormentum: instrument of torture that would twist limbs
Subvert (v)	To undermine the power and authority of some- thing	L. sub: from below, vertere: to turn
Usury (n)	Lending money at unreasonably high rates of inter- est	L. usura, from usus ' to use'
Roots and Stems	Themes	
Her—cling to Patr—father	Love: romantic, familial, friendship. Prejudice: Jews Wealth: currency, moneylenders, family/friends at society: were not free to make decisions, intelliger	oove money, extravangance. Women in
Tort- to twist	hard. Mercy and Forgiveness: is this expected of p	
Sub-below	is it ever justified? Does it have a place in society	Shylock seems to live off of his desire

Key Quotations

Bassanio: In Belmont is a lady richly left, and she is fair...'

Antonio: Try what my credit can in Venice do' Portia: I may neither choose who I would nor refuse who I dislike; so is the will of a living daughter curb'd by the will of a dead father. Shylock: If I can catch him once upon the hip, I will feed fat the ancient grudge I bear him. Shylock: Let the forfeit De nominated for an equal pound of your fair flesh. Jessica: Alack, what heinous sin is it in me To be ashamed to be my father's child? Jessica: But though I am daughter to his blood I am not to his manners Lorenzo: We'll slink away at super time Salarino and Solanio: All the boys of Venice laughed at him as he cried, My daughter, O my ducats, O my daughter! Shylock: I am a Jew. Hath not a Jew eyes? Hath

not a Jew hands, organs, dimensions, senses, affections, passions?

Shylock I would my daughter were dead at my foot, and the jewels in her ear

Portia: Pay him six thousand, and deface the bond but first go with me to church and call me wife Shylock: Gaoler, look to him. I'll have my bond. Speak not against my bond.

Portla: The quality of mercy is not strained. It droppeth as the gentle rain from heaven Upon the place beneath."

Shylock: I am not well; send the deed after me And I will sign it.

Antonio: My Lord Bassanio, let him have the ring."

Portia: I'll die for 't but some woman had the ring! Antonio: My soul upon the forfeit, that your lord Will never more break faith advisedly.

Context

Usury: Money lending was considered to be an evil trade as it was forbidden in the Eible. In reality though, many people practised and used money lending. Anti-Semitism: Elizabethan England was generally an Anti-Semitic society. They believed that Jews were child killers, womanisers and had a fetid smell. Marriage: This was a business arrangement and not usually based on love—particularly amongst the wealthy

Terminology

downfall

action

both

know

A group of scenes

A sequence of action

An intended viewer

an abstract idea

A characters fatal flaw that leads to their

A person who delivers commentary on the

The main character of a work whose pur-

The villain of a piece whose main purpose

Conflict, moments of worry, fear, anxiety

The genre when a play is neither a strict

When an image/motif is used to represent

When the author tells the audience/reader

something that the characters don't yet

Figure of speech that refers to another

story (ie the bible, folklore etc.)

The pound of flesh: The audience would have seen Jews

flesh epitomised the view of Jewish people. Shylock re-

fers to Jessica as his 'flesh and blood' so in taking flesh

from Antonio he is taking back what he has lost. Rings:

Gratiano receive from their wives and give away. Jessica

gives away a ring in the same way. The caskets: Sym-

bolises Portia's father's control from beyond the grave.

She is contained within one of them and this torture and

imprisonment through love runs throughout the play.

A symbol of everlasting love that both Bassanio and

as blood thirsty murderers so Shylock's demand for

comedy or tragedy but has elements of

pose is to defeat the antagonist

is to bring down the protagonist

Hamartia

Narrator

Act

nist

Scenes

Protago-

Anta gonist

Audience

Tension

Problem

Symbolism

Allusion

Dramatic

Symbols and Motifs

Irony

Play

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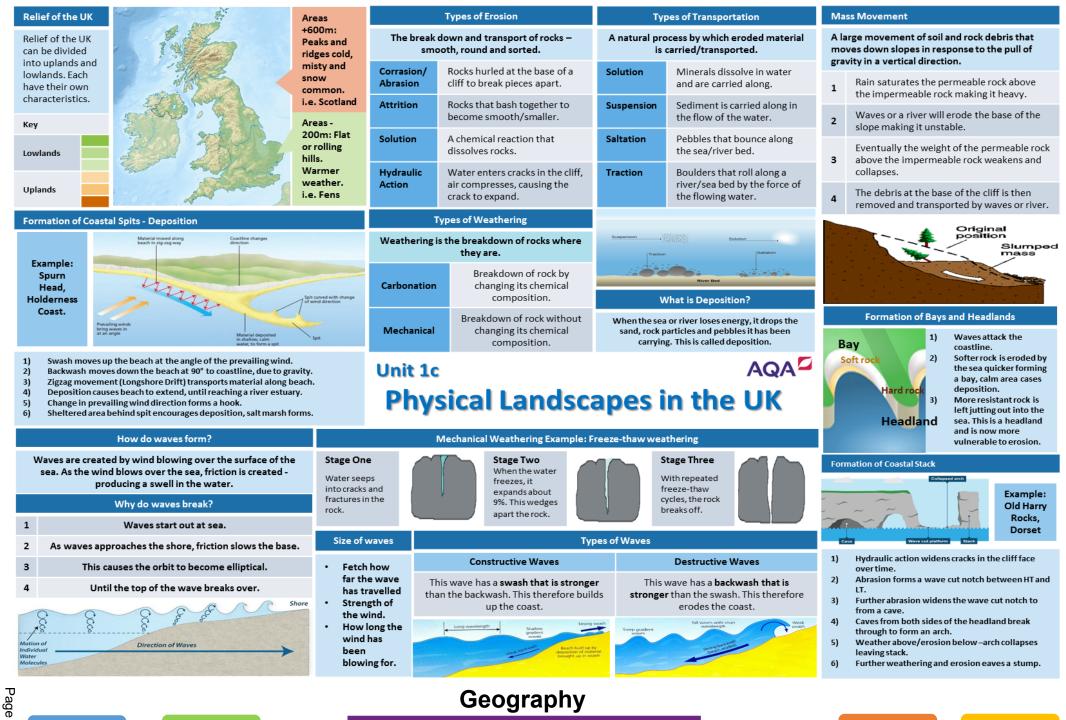
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English





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10 Community

Opportunity

Enjoyment

Coastal [Defences	
Hard Engi	neering Defences	
Groyne s	Wood barriers prevent longshore drift, so the beach can build up.	 Beach still accessible. No deposition further down coast = erodes faster.
Sea Walls	Concrete walls break up the energy of the wave . Has a lip to stop waves going over.	 Long life span Protects from flooding Curved shape encourages erosion of beach deposits.
Gabion s or Rip Rap	Cages of rocks/boulders absorb the waves energy, protecting the cliff behind.	 Cheap Local material can be used to look less strange. Will need replacing.
Soft Engin	eering Defences	
Beach Nouris hment	Beaches built up with sand, so waves have to travel further before eroding cliffs.	 Cheap Beach for tourists. Storms = need replacing. Offshore dredging damages seabed.
Manag ed Retreat	Low value areas of the coast are left to flood & erode.	 Reduce flood risk Creates wildlife habitats. Compensation for land.
Case Stud	y: Lyme Regis	

Location and Background

Located on the South-West coast of Dorset. The town is a popular sea resort for tourists to visit all year round. The town is suffering with unstable cliffs (landslips), powerful waves (rapid erosion) and the sea wall has currently been breached many times.

Management:

The Lyme Regis Environmental Improvement scheme was set up in the early 1990s to provide long term coastal protection to reduce the threat of landslips. Engineering works were completed in 2015. Phase 1 - 3

- New Wall and promenade
- Cliff Stabilisation
- Beach Nourishment- a new sandy beach
- Extension of rock armour to absorb eave energy
- new sea wall for extra protections
- cliff stabilisation to protect housing

How successful was it? Positives

Community

New beaches=more visitors=better for economy New defences withstood stormy winters Harbour better protected

Negatives

Increased tourists=more congestion/ conflict with locals Defences spoilt the landscape/ scenery New sea wall might interfere with natural processes and cause problems elsewhere.

•	0 1	0 0					
Surface Runoff	Water flowing o	ver surface of the land into rivers					
Infiltration	Water absorbed	Vater absorbed into the soil from the ground.					
Transpiration	Water lost through leaves of plants.						
Physical and Human Causes of Flooding.							
Physical: Prolong & heavy rainfall Physical: Geology Long periods of rain causes soil to Impermeable rocks causes surface become saturated leading runoff. runoff to increase river discharge.							
<i>Physical:</i> Relief Steep-sided valleys c to flow quickly into r greater discharge.		Human: Land Use Tarmac and concrete are impermeable. This prevents infiltration & causes surface runoff.					
Upper Course of a Ri	ver						
		eep gradient from the hill/mountains. it will erode the riverbed vertically to w valleys.					
Formation of a Wa	terfall						
rder reck	1) River flow	vs over alternative types of rocks.					
for net	2) River eroo	des soft rock faster creating a step.					
	3) Further h plunge pool	ydraulicaction and abrasion form a beneath.					
for rock		above is undercut leaving cap rock oses providing more material for					

Moisture falling from clouds as rain, snow or hail.

Vegetation prevent water reaching the ground.

Middle Course of a River

Water Cycle Key Terms

Precipitation

Interception

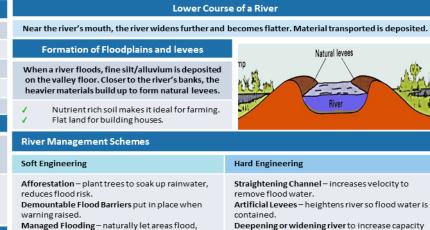
Softer rock

Here the gradient get gentler, so the water has less energy and moves more slowly. The river will begin to erode laterally making the river wider.

5) Waterfall retreats leaving steep sided gorge.

Formation of (Ox-bow Lakes		
	Step 1	Step 2	
	Erosion of outer bank forms river cliff. Deposition inner bank forms slip off slope.	2	Further hydraulic action and abrasion of outer banks, neck gets smaller.
	Step 3	Step 4	
E	Erosion breaks through neck, so river takes the fastest route, redirecting flow		Evaporation and deposition cuts off main channel leaving an oxbow lake.

Geography



Hydrographs and River Discharge

protect settlements.

River discharge is the volume of water that flows in a river. Hydrographs who discharge at a certain point in a river changes over time in relation to rainfall

for a flood.

1. Peak discharge is the discharge in a period of time. 2. Lag time is the delay between peak

rainfall and peak discharge.

3. Rising limb is the increase in river discharge.

4. Falling limb is the decrease in river discharge to normal level.

Day 3 Day 4 Day 2

Case Study: The River Tees

Location and Background

Located in the North of England and flows 137km from the Pennines to the North Sea at Red Car.

Geomorphic Processes

Upper - Features include V-Shaped valley, rapids and waterfalls. Highforce Waterfall drops 21m and is made from harder Whinstone and softer limestone rocks. Gradually a gorge has been formed. Middle - Features include meanders and ox-bow lakes. The meander near Yarm encloses the town.

Lower - Greater lateral erosion creates features such as floodplains & levees. Mudflats at the river's estuary.

Management

-Towns such as Yarm and Middleborough are economically and socially important due to houses and jobs that are located there.

Dams and reservoirs in the upper course, controls river's flow during high & low rainfall. · Better flood warning systems, more flood zoning and river dredging reduces flooding.

Opportunity

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USA 1930s: The Depression

1) How did the Wall St Crash lead to the Great Depression? - From 1929 to 1932, 5,000 banks went out of business

- Businesses couldn't borrow money from banks so they cut production and laid off workers
- By 1933 24.9% of people were unemployed. These people couldn't pay their rent/mortgage so it led to homelessness and poverty
- Homeless people set up Hoovervilles, shanty towns named after the president to mock the lack of help he was providing
 - The Republican government was slow to act and believed in **"rugged individualism"**- people working their own way out of poverty



2) The **Dust Bowl** was happening at the same time as the Depression and made life even harder for farmers. They had to abandon their farms and many became **migrant workers**.



3) How did President Hoover try to help?

In <u>1932</u> Hoover gave \$4 million to the states to open soup kitchens. He created jobs by building the **Hoover Dam**.

He gave \$300 million to the states to provide support for the unemployed, but only \$30 million was used by the Republican states because they believed more strongly than Hoover in rugged individualism.

Many people believed that Hoover's efforts were too weak and had come too late.



"In Hoover we trusted now we are busted"

KEY WORDS:

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Crash – a suddenly failing economy or stock market. Tend to follow a 'boom'

Depression – where a country experiences negative growth; a reduction in the wealth of a country Democratic Party – One of the two main political parties: seen as more left-wing and liberal Dust Bowl – huge area of farmland where soil was too dry and poor to support good quality crops GDP – Gross Domestic Product: the measure of a country's wealth in dollars

Hooverville – a camp built from boxes, scrap metal, old cloth and pallets with no sanitation/toilets Republican Party – one of the two political parties in the USA: considered as more conservative Rugged Individualism – idea that people should work hard and not rely on Government handouts



4) The 1932 election Roosevelt Vs Hoover

Democrats: FDR's campaign: Upbeat and positive, he travelled all over the USA meeting people and making them feel like he was listening and cared about them. He promised a "New Deal"- he didn't say what this involved apart from *relief, recovery and reform* Republicans: Hoover's campaign: Not a great public

speaker and unpopular. Hoped America would just "turn the corner": people were fed up with his lack of action. Result: Roosevelt won 42 states out of [then] 48 states

5) FDR's first 100 days: Action he took

- Closed the banks and only opened responsible ones
- Fireside chats- FDR spoke on the radio to build confidence
- Established the Alphabet Agencies to tackle some of the problems:

AAA: paid farmers to produce less. Overproduction solved. Farmers' money doubled between 1932-39. TVA: Dams to create electricity and sort the Dust Bowl out. This improved the lives of 7 million people. CCC: created work for 2.5 million people aged 18-25 giving them \$1 a day to plant trees or other jobs PWA and the WPA: created work for 4 million people creating projects of lasting value e.g. building bridges and schools

NRA: blue eagle symbol products= better working conditions for workers and introduced trade unions

6) Opposition to the New Deal

- Too much interference in businesses. The Supreme Court announced that the AAA and NRA were unconstitutional. -Republicans said it cost too much and went against "rugged individualism" - Francis Townsend and Huey Long felt that the New Deal did not help enough. Criticised for being short-term solutions and wasting money.
- FDR tried to put more Democrats into the Supreme Court to support him but this failed and he was accused of being a dictator

7) Which was better in solving the problems of the depression?

The New Deal

- Provided relief for those in need
- Gave the US people confidence in the government again
- Built projects of lasting value
- Got the economy going again
- Got many people back to work
- Didn't help African Americans or women
- When funding was reduced in 1937, unemployment rose again = it was a temporary fix
- Cost
 WW2
- US joined the war after Pearl Harbour.
- Factories and farms focussed on helping America in the war.
- Lend Lease got the economy back on track
- Conscription and work in the factories – unemployment fell to 0%
- GNP doubled
- Permanent fix to the depression





"Inspiring Education for All"

History

Topic: Fractions

Topic: Algebra

Topic/Skill	Definition/Tips	Example
1. Expression	A mathematical statement written using symbols, numbers or letters,	3x + 2 or 5y ²
2. Equation	A statement showing that two expressions are equal	2y - 17 = 15
3. Identity	An equation that is true for all values of the variables	2x = <u>x+x</u>
	An identity uses the symbol: \equiv	
4. Formula	Shows the relationship between two or more	Area of a rectangle = length x width
	variables	or A= LxW
5. Simplifying Expressions	Collect 'like terms'.	2x + 3y + 4x - 5y + 3 = 6x - 2y + 3
	Be careful with negatives. x^2 and x are not like terms.	$3x + 4 - x^2 + 2x - 1 = 5x - x^2 + 3$
6. <i>x</i> times <i>x</i>	The answer is $x^2 \cot 2x$.	Squaring is multiplying by itself, not by 2.
7. $p \times p \times p$	The answer is p^3 not $3p$	If p=2, then p^3 =2x2x2=8, not 2x3=6
8. $p + p + p$	The answer is 3p not p^3	If p=2, then 2+2+2=6, not 2 ³ = 8
9. Expand	To expand a bracket, multiply each term in the bracket by the expression outside the bracket.	3(m+7) = 3x + 21
10. Factorise	The reverse of expanding .	6x - 15 = 3(2x - 5), where 3 is the
	Factorising is writing an expression as a product of terms by 'taking out' a common factor.	common factor.

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Topic/Skill	Definition/Tips	Example
1. Fraction	A mathematical expression representing the division of one integer by another.	$\frac{2}{7}$ is a 'proper' fraction.
	Fractions are written as two numbers separated by a horizontal line.	$\frac{9}{4}$ is an 'improper' or 'top-heavy' fraction.
2. Numerator	The top number of a fraction.	In the fraction $\frac{3}{5}$, 3 is the numerator.
3. Denominator	The bottom number of a fraction.	In the fraction $\frac{3}{5'}$ 5 is the denominator.
4. Unit Fraction	A fraction where the numerator is one and the denominator is a positive integer.	$\frac{1}{2}, \frac{1}{3}, \frac{1}{4}$ etc. are examples of unit fractions.
5. Reciprocal	The reciprocal of a number is 1 divided by the number .	The reciprocal of 5 is $\frac{1}{5}$
	The reciprocal of x is $\frac{1}{x}$	The reciprocal of $\frac{2}{3}$ is $\frac{3}{2}$, because
	When we multiply a number by its reciprocal we get 1. This is called the 'multiplicative inverse'.	$\frac{2}{3} \times \frac{3}{2} = 1$
6. Mixed Number	A number formed of both an integer part and a fraction part .	$3\frac{2}{5}$ is an example of a mixed number.
7. Simplifying Fractions	Divide the numerator and denominator by the highest common factor.	$\frac{20}{45} = \frac{4}{9}$
8. Equivalent Fractions	Fractions which represent the same value.	$\frac{2}{5} = \frac{4}{10} = \frac{20}{50} = \frac{60}{150} \text{ etc.}$
9. Comparing Fractions	To compare fractions, they each need to be rewritten so that they have a common	Put in to ascending order : $\frac{3}{4}$, $\frac{2}{3}$, $\frac{5}{6}$, $\frac{1}{2}$.
	denominator.	Equivalent: $\frac{9}{12}$, $\frac{8}{12}$, $\frac{10}{12}$, $\frac{6}{12}$
	Ascending means smallest to biggest. Descending means biggest to smallest.	Correct order: $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}$
10. Fraction of	Divide by the bottom, times by the top	Find $\frac{2}{e}$ of £60
an Amount		$5 60 \div 5 = 12$ $12 \times 2 = 24$
11. Adding or Subtracting	Find the LCM of the denominators to find a common denominator.	$\frac{2}{3} + \frac{4}{5}$
Fractions	Use equivalent fractions to change each fraction to the common denominator .	Multiples of 3: 3, 6, 9, 12, 15
	Then just add or subtract the numerators and keep the denominator the same .	Multiples of 5: 5, 10, 15 ,
		LCM of 3 and 5 = 15
		$\frac{\frac{2}{3} = \frac{10}{15}}{\frac{4}{5} = \frac{12}{15}}$
		$\frac{4}{5} = \frac{12}{15}$
		$\frac{10}{15} + \frac{12}{15}$
		$=\frac{22}{15}$
		$=1\frac{7}{15}$
12. Multiplying Fractions	Multiply the numerators together and multiply the denominators together.	$\frac{3}{8} \times \frac{2}{9} = \frac{6}{72} = \frac{1}{12}$
13. Dividing Fractions	'Keep it, Flip it, Change it – KFC' Keep the first fraction the same	$\frac{3}{4} \div \frac{5}{6}$
	Flip the second fraction upside down Change the divide to a multiply	$=\frac{3}{4}\times\frac{6}{5}$
	Multiply by the reciprocal of the second fraction.	$=\frac{18}{20}$
		$=\frac{9}{10}$
		- 10

Page 13 Community

"Inspiring Education for All"

Maths

Year 10 French Home, Town, Neighbourhood and Region GCSE French Knowledge Organiser

chez <u>moj</u>

les magasins

le <u>manque</u> (de)

la pollution

commun

le village

la <u>ville</u>

les transports14 <u>en</u>

at my house

the shops

lack (of)

pollution

village

town

Community

public transport

Key Ideas • Les attractions principales de • Les avantages et inconvénien		+ Key Phrases			
 Les avantages et inconvénients d'habiter en ville / à la campagne 		J'habite dans un petit village/une grande ville dans le nord de l'Angleterre. I live in a little village/big town in the north of England.			
 Les problèmes environnementaux où j'habite • Ma maison idéale 		l y a environ 5000 habitants. There are around 5000 inhabitants. 'adore habiter à la campagne. I love living in the countryside.			
Key Vocabulary		Dans ma ville on peut trouver un cinéma et un bowling.	In my town you can find a cinema and a bowling alley.		
Les noms		Il n'y a pas de patinoire.	There isn't an ice rink.		
un appartement	flat	Je voudrais avoir un centre commercial.	I'd like to have a shopping centre.		
les attractions	entertainment facilities	La pollution est un grand problème à Paris.	Pollution is a big problem in Paris.		
la bibliothèque	library	Il y a beaucoup de circulation.	There is a lot of traffic.		
le bowling	bowling alley	Les transports en commun ne sont pas fiables.	Public transport is not reliable.		
la campagne	countryside	Le manque de magasins à la campagne est frustrant.	The lack of shops in the countryside is frustrating.		
	· · ·	Je fais des tâches ménagères pour gagner de l'argent de poche.	I do housework in order to earn pocket money.		
la <u>chambre</u> la circulation	bedroom traffic	Je vais en ville pour faire du shopping/aller au cinéma/trainer avec mes amis.	I go to town in order to go shopping/go to the cinema/hang out with friends		

ey Questions		
1. Quels sont les avantages et les inconvénients d'où tu habites ?/ d'habiter en ville / à la campagne ?	What are the advantages and disadvantages of where you live/living in the town/the countryside?	
2. Décris un problème environnemental où tu habites.	Describe an environmental problem where you live.	
3. Qu'est-ce qu'on peut faire dans ta ville / ton village ?	What is there to do in your town/village?	
4. <u>Décris</u> ta maison idéale.	Describe your ideal house.	
5. Qu'est-ce que tu as fait récemment dans ta ville / ton village ?	What have you done recently in your town/village?	a
6. Quelles attractions voudrais- tu voir dans ta ville / ton village ?	What entertainment facilities would you like to see in your town/village?	

Useful Grammatical Structures

• Use modifiers to modify an adjective, e.g. assez (quite); plutôt (rather); un peu (a bit)

• Use intensifiers to intensify an adjective, e.g. particulièrement (particularly); totalement (totally); complètement (completely); si (so)

· Use conjunctions to make longer sentences, e.g. parce que (because); quand (when); si (if)

• Use the perfect tense with avoir or être to describe past events. Examples of 'er' verbs include: je suis allé(e) (I went); j'ai gagné(e) (I earned). Examples of 'ir' verbs include: je suis sorti(e) (I left); j'ai fini (I finished). Examples of (re' verbs include: je suis descendu(e) (I went down); j'ai répondu (I responded).

• Use pour + infinitive to say 'in order to', e.g. Je vais en ville pour aller au cinéma (I am going to town in order to go to the cinema).

(m)	
	Les
	gaj
	fai
	fai
	pa
	<u>\$0</u>
	tra

Les verbes	Les verbes					
gagner (de l'argent)	to earn (money)		animé(e)	lively		
faire le <u>repassage</u>	to do the ironing		ennuveux	boring		
faire les <u>tâches ménagères</u>	to do housework		historique	historic		
passer l'aspirateur	to vacuum		intéressant	interesting		
sortir les poubelles	to take out the rubbish (bins)		joli(e)	pretty		
traîner.	to hang out		propre,	clean		
visiter	to visit (a place)		sale	dirty		

Infinit	Ŭ,	Présent	Passé	Futur
faire –	- to do	je fais; il/elle fait; nous faisons	j'ai fait; il/elle a fait; nous avons fait	je ferai; il/elle fera; nous ferons
être-	to be	je suis; il/elle est; nous sommes	j'ai été; il/elle a été; nous avons été	je serai; il/elle sera; nous serons
avoir-	- to have	j'ai; il/elle a; nous avons	j'ai eu; il/elle a eu; nous avons eu	j'aurai; il/elle aura; nous aurons
aller-	•to go	je vais; il/elle va; nous allons	je suis allé(e); il est allé; elle est allée; nous sommes allé(e)s	j'irai; il/elle ira; nous irons
habite	ự_−to live	j'habite; il/elle habite; nous habitons	j'ai habité; il/elle a habité; nous avons habité	j'habiterai; il/elle habitera; nous habiterons



"Inspiring Education for All"

MFL—French

<u>,11 a.</u>

Key Ideas Meine Gegend – was gibt es	2	Adjektive		Verben		Substantive		
Meine Gegend – was gibt es		bequem	comfortable	abwaschen	to wash up	die Aussicht	view	
Meine Gegend – Vorteile un		geräumig	roomy	aufräumen	to tidy up	das Badezimmer	bathroom	
Das Stadtleben oder das La	ndleben – Vorteile und Nachteile	historisch	historic	bekommen	to receive	die Bibilothek	library	
Meine Gegend – Umweltpro	obleme	hübsch	pretty	besuchen	to visit	die Bowlingbahn	bowling alley	
Mein Haus		interessant langweilig	interesting boring	bügeln	to do the ironing	das Dorf		
1ein ideales Haus Iausarbeit – hilfst du zu Ha		alt	old	entdecken	to discover		village	
lausarbeit – hiifst du zu Ha	ause?	neu	new	freuen (sich auf etwas)	to look forward t		attic	
R.		ruhig	calm, peaceful	spazieren gehen	to go for a walk	die Dusche	shower	
		sauber	clean	staubsaugen	to hoover	der Garten	garden	
		schmutzig	dirty	umziehen	to move house	die Geschäfte	shops	
		verkehrsreich	busy (with traffic	:) verdienen	to earn	die Fußgängerzone	pedestrianised area	
		wichtig	important	wohnen	to live	das Klima	climate	
	Key Phrases					die Küche	kitchen	
	zu Hause			at home		die Menge	a lot, plenty	
8	In meiner Gegend ist es	aut.		It's noisy in my area.		das Rathaus	town hall	
	Ich wohne in einem kleir	nen Dorf/in einer g	großen Stadt.	I live in a little village/big to	wn.	das Reihenhaus	terraced house	
	im Norden/Osten/Süden/	Westen		in the north/east/south/west		das Schlafzimmer	bedroom	
	Mein Haus liegt in der N	ähe von einem Sch	wimmbad.	My house is near a swimming	g pool.	das Schloss	castle	
	In meiner Stadt gibt es			In my town there is/there are	2	das Sportzentrum	sports centre	
	Leider gibt es keine Schli	ttschuhbahn.		Unfortunately, there isn't an	ice rink.	die Stadt	town	
	Ich möchte ein neues Eir			I'd like to have a new shoppi	0			
100	Es gibt auch zu viel Verk		g.	There is also too much traffic/pollution.		die Umweltverschmutzung	pollution	
	Es gibt gute öffentliche V	erkehrsmittel.		There is good public transpor	t.	der Verkehr	traffic	
	Ich helfe zu Hause, um T	aschengeld zu bek	ommen.	I help at home in order to re-	ceive pocket money	der Wohnblock	block of flats	
	Ich fahre mit dem Bus ir			I travel by bus into the town,	city centre.	die Wohnung	flat	
/ Verbs	Man kann einkaufen geb	en/ins Kino gehen	/sich entspannen.	You can go shopping/go to th	e cinema/relax.	die öffentlichen Verkehrsmittel (pl)	public transport	
finitiv	Präsens	Vergangenheit			Futur			
hen – to go	ich gehe; er/sie geht; wir gehen	ich bin gegan	gen; er/sie ist geg	gangen; wir sind gegangen	ich w	erde gehen; er/sie wird gehen; wir w	verden gehen	
in – to be	ich bin; er/sie ist; wir sind	ich bin gewes	en; er/sie ist gew	esen; wir sind gewesen	ich w	h werde sein; er/sie wird sein; wir werden sein		
hren – to go/travel	ich fahre; er/sie fährt; wir fahre	ich bin gefahi	ren; er/sie ist gefa	ahren; wir sind gefahren	ich w	ich werde fahren; er/sie wird fahren; wir werden fahren		
	ich helfe: er/sie hilft: wir helfen	0	ich habe geholfen; er/sie hat geholfen; wir haben geholfen			ich werde helfen: er/sie wird helfen: wir werden helfen		
1elfen – to help								

Home, Town, Neighbourhood and Region GCSE Foundation Tier German Knowledge Organiser

1. Wo wohnst du? Where do you live? 2. Wohnst du lieber in einer Stadt oder in einem Dorf? Would you rather live in a town or a village? 3. Beschreib die Vorteile und Nachteile deiner Gegend. Describe the advantages and disadvantages of your area. 4. Gibt es Umweltprobleme in deiner Gegend? Are there environmental problems in your area? 5. Was gibt es für den Besucher in deiner Stadt/in deinem Dorf? What is there for visitors in your town/village? 6. Beschreib dein ideales Haus. Describe your ideal house. 7. Was hast du letztes Wochenende in deiner Gegend gemacht? What did you do last weekend in your area? 8. Wo möchtest du in der Zukunft wohnen? Warum? Where would you like to live in the future? Why?	Key Questions	
3. Beschreib die Vorteile und Nachteile deiner Gegend. Describe the advantages and disadvantages of your area. 4. Gibt es Umweltprobleme in deiner Gegend? Are there environmental problems in your area? 5. Was gibt es für den Besucher in deiner Stadt/in deinem Dorf? What is there for visitors in your town/village? 6. Beschreib dein ideales Haus. Describe your ideal house. 7. Was hast du letztes Wochenende in deiner Gegend gemacht? What did you do last weekend in your area? 8. Wo möchtest du in der Zukunft wohnen? Warum? Where would you like to live in the future? Why?	1. Wo wohnst du?	Where do you live?
4. Gibt es Umweltprobleme in deiner Gegend? Are there environmental problems in your area? 5. Was gibt es für den Besucher in deiner Stadt/in deinem Dorf? What is there for visitors in your town/village? 6. Beschreib dein ideales Haus. Describe your ideal house. 7. Was hast du letztes Wochenende in deiner Gegend gemacht? What did you do last weekend in your area? 8. Wo möchtest du in der Zukunft wohnen? Warum? Where would you like to live in the future? Why?	Wohnst du lieber in einer Stadt oder in einem Dorf?	Would you rather live in a town or a village?
5. Was gibt es für den Besucher in deiner Stadt/in deinem Dorf? What is there for visitors in your town/village? 6. Beschreib dein ideales Haus. Describe your ideal house. 7. Was hast du letztes Wochenende in deiner Gegend gemacht? What did you do last weekend in your area? 8. Wo möchtest du in der Zukunft wohnen? Warum? Where would you like to live in the future? Why?	Beschreib die Vorteile und Nachteile deiner Gegend.	Describe the advantages and disadvantages of your area.
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8. Wo möchtest du in der Zukunft wohnen? Warum? Where would you like to live in the future? Why?	6. Beschreib dein ideales Haus.	Describe your ideal house.
	Was hast du letztes Wochenende in deiner Gegend gemacht?	What did you do last weekend in your area?
0 Ulifet du eu Usura 2	8. Wo möchtest du in der Zukunft wohnen? Warum?	Where would you like to live in the future? Why?
9. Hitist du zu Hause? Do you nelp out at nome?	9. Hilfst du zu Hause?	Do you help out at home?

Useful Grammatical Structures

· Use modifiers to modify an adjective, e.g. ziemlich (quite); ein bisschen/etwas (a bit/rather); kaum (hardly).

Use intensifiers to intensify an adjective, e.g. wirklich (really); sehr (very); besonders (particularly); total (totally); völlig (completely); so (so); zu (too).

• Use infinitive constructions, e.g. um ... zu (in order to); ohne ... zu (without). For example: Ich treibe viel Sport, um fit zu bleiben (I do lots of sport, in order to stay fit).

• Use connectives and conjunctions to make longer sentences, e.g. weil (because); aber (but); jedoch (however); obwohl (although).

• Use the infinitive after these key modal verbs: man soll (you should); man soll nicht (you shouldn't); man muss/man muss nicht (you must/you mustn't); man kann/man kann nicht (you can/ you can't); ich möchte (I would like). For example: man soll mit dem Rad in die Schule fahren (you should travel by bike to school); man kann das Museum besuchen (you can visit the museum).

Tricky Spellings		Tricky Pronunciation	
geräumig	roomy	Practise these with you	ur teacher!
verkehrsreich	busy (with traffic)	geräumig	roomy
öffentliche Verkehrsmittel (pl)	public transport	leider	unfortunately
die Fußgängerzone	pedestrianised area	die Schlittschuhbahn	ice rink
False Friends			
das Land countrysid	e		
bekommen to receive			
			MFI —G

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German





1: Alphabet and Phonics		3: Asking somebody their age		4: When is your birthday?		5: Do you have siblings?		
Key sounds	Pronunciation	English	Spanish	English	Spanish	Spanish	English	
a, b, c, d	ah, <u>beh</u> , <u>theh</u> , deh	1	uno	16	dieciséis	Tengo un hermano	I have a brother	
Ĩ	у	2	dos	17	diecisiete	Tengo una hermana	I have a sister	
ñ	ny	3	tres	18	dieciocho	Tengo dos hermanos	I have two brothers	
ci (i)	thee (ee)	4	cuatro	19	diecinueve	Tengo tres hermanas	I have three sisters	
ce (e)	theh (eh)	5	cinco	20	veinte	No tengo hermanos	I don't have siblings	
со	koh	6	seis	21	veintiuno	TASK 6: <u>translate</u> the following:		
са	kah	7	siete	22	veintidós	1. Tengo tres hermanos y una hermana (y= ar		
cu	koo	8	ocho	23	veintitres	2. I have five sisters and a brother.		
que	keh	9	nueve	24	veinticuatro	3. I have seven siblings.		
qui	key	10	diez	25	veinticinco	TASK 7: Explain the two possible translations fo		
rr	rrr	11	once	26	veintiséis	6: Personality and adje	ctive agreement	
j	a bit like 'h' or at the back	12	doce	27	veintisiete			
	of your throat 'jhuh'	13	trece	28	veintiocho	Spanish	English	
Rules: most 9 phonetic. The	Spanish letters are ey sound	14	catorce	29	veintinueve	soy	l am	
how they are spelt. Remember the rules above to sound		15	quince	30	treinta	eres	you are	
like a native Spanish speaker!		¿Cuántos años	How many years	31	treinta y uno	es	he/she/it is	
TASK 1: Read the following words out loud in Spanish:		tienes?	do you have?	¿ <u>Cuándo es</u> tu	When is your	generoso/a	generous	
equitación, c		tengo tres años	I have three years	cumpleaños?	birthday?	simpático/a	nice	

2: Greetings		tienes	you have	Mi cumpleaño	s es elde	listo/a	clever	
		tengo	I have	My birthday is the	<u>of</u>	tímido/a	shy	
Spanish	English	Star structure: cumplir años	tengo ganas de	January	enero	tonto/a	silly	
hola	hello	Participation of the second se		February	(febrero	divertido/a	fun	
¿Qué tal?	How are you?	In Spanish we do not say 'I am eleven years old'.		March	marzo	tranquilo/a	calm	
fenomenal	great	Instead we say 'I have eleven years.'		April	abril	listo/a	clever	
bien, gracias	good, thank you	It is important that you know the key verbs I have and		May	mayo	serio/a	serious	
regular	ok	you have. (tien	e = he/she has)	June	junio	sincero/a	sincere	
fatal	terrible	TASK 3: Transla	ate:	July	julio	o at end of adjective	used to describe a	
						-	female (f)	
¿ <u>Cómo te</u> llamas?	What's your name?	1. I have fourte	en years	August	agosto	a at end of adjective	used to describe a male (m)	
Me llamo	I call myself	2. I have ten ye	ears.	September	septiembre	Soy sincero pero no	I am sincere but I am	
						soy tonto	not silly (male talking)	
¿Y tu?	and you?	3. You have twelve years.		October	octubre	TASK 8: translate:		
hasta <u>luego</u>	see you later/soon	4.Tengo ganas años	de <u>cumplir</u> quince	cumplir quince November noviembre 1. Soy divertida y lista		,		
adios	goodbye	5. <u>Practise</u> you all numbers ou	r phonics by reading t loud	ng December <u>diciembre</u>		2. Es tonto y generoso.		
TASK 2: Write Spanish of two		in your perfect Spanish accent.		TASK 4: practise your phonics by reading out loud		3. Mi hermano es tranquilo.		
-	read out loud to			TASK 5:translate the following: 1. Mi cumpleaños es el once de enero.		4. <u>Eres simpática y timida.</u>5. I am serious and nice but my brother is fun		
practise your p	Jionica.							
				2. My birthda	y is the sixteen			
				0000000	y is the twenty			
TACK C. D.I		1. De e d 41		nine of Decer		 		
					• ·	ise your pronunciation.		
000000			s y mi cumpleaños es	el <u>catorce</u> de m	ayo. <u>Tengo gana</u>	as de cumplir doce años.	. Tengo una hermana per	
	mano. Mi herman							
años. Es diver 14th of May.	rtida y seria. Soy s	impático y tranc	quilo. ¿Y tu? Hasta lue	go. Hello, my na	ame is Juan. Hov	v are you? I am ten year:	s old and my birthday is t	
I am looking f	forward to turning n. And you? See yo		d. I have one sister bu	t I <u>don't</u> have a b	orother. My siste	r is fourteen years old. S	She is fun and serious. I ar	
oo ana culli			you?, she is, she has,	I have. I am call	ed. I'm looking fi	orward to		
Find the Snan	asia rora r don cindv	cabiotici, allu	-					
	• • • • • • • • • • • • • • • • • • •	فاعما متعاليه فعام	ng forward to turn!					
Using the text		i <mark>slate:</mark> I am looki	ng forward to turning					
Using the text fourteen year	rs old.					, simply use what is on		

this knowledge organiser. Don't forget to use a star structure!

Community

Opportunity

MFL—Spanish

"Inspiring Education for All"

Enjoyment



Agility • To change direction quickly with control Balance Maintain centre of gravity over base of support Coordination Flow of movement to perform motor task efficiently Power Product of Strength and Speed **Reaction Time** Respond to stimulus and initiation of response

Aerobic Endurance

Cardiorespiratory system working for long periods of time supplying oxygen and nutrients to working muscles.

Muscular Endurance Muscle is able to contract over period time against a light to moderate resistance.

Flexibility Range of motion in all joints of body, moving fluidly allowing complete range of movement.

Speed ٠ Distance divided by the time taken

Muscular Strength ٠

Maximum force that can be generated by a muscle or muscle group

Body Composition Ratio of fat mass to fat free mass. Percentage of fat, bone and muscle in body.

EXERCISE INTENSITY

Heart Rate Max

- Measure heart rate by measuring beats per ۲ min.
- Max HR is calculated by 220 Age .
- Then work out 60% and 80% threshold and . apply to recommended training zone for athlete.

ANALEROBIC THERSHOLD FUAL PUR AROBIC 6 7 8 Borg Scale 9 10

Rate of Perceived • Exertion ranges from 6 - 20.

0

Athletes choose a • stage in which they feel they are working at, to work out HR you multiply by 10.

PRINCIPLES OF TRAINING

- **Progressive Overload** • Training to be demanding so improvements can be made.
- Specificity • Specific to individuals sport or activity
- Individual Needs • Designed to meet personal fitness and needs
- Adaptation Adapting body to training loads, increasing ability to cope
- Reversibility • If training stops or intensity is not enough. training is reversed.
- Variation

No exertion

Light

Somewhat hard

Hard (heavy)

Very hard

Maximal exertion

11

12

13

14

15

16

17

18

19

20

Vary training regime to avoid boredom and maintain enjoyment

Rest and Recovery •

Allow body to recover from training and allow adaptation to occur.

- Frequency How often you train •
- Intensity How hard you train ٠
- Time How long you train •
- Type Type of training method used. .

Skill

ijeComponento

Dhysical



PE

Rowledge Organiser UNIT 1 EXAM FIT FITNESS TRAINING METHODS

Flexibility Training

- Static Active and passive stretching of muscles both individually and with guidance of teammates.
- Ballistic Fast movements, stretching specific to movement pattern, e.g. open gates, close gates.
- **Proprioceptive Neuromuscular Facilitation (PNF)** can be performed with a partner or resistance bands can be used. This is to gradually enhance flexibility.

Strength, Muscular Endurance and Power Training

- **Circuit Training** a series of different stations aimed at developing strength, endurance and power, focusing on different muscle groups.
- Free Weights Barbells and dumb bells to perform different types of dynamic exercises.
- Plyometrics explosive power exercises such as lunging, box jumps and barrier hopping.

Aerobic Endurance Training

- **Continuous Training** Training at a steady pace of moderate intensity for a minimum of 30 minutes
- Fartlek Training Intensity is varied by different speeds or different terrain, continuous no rest
- Interval Training Individual performs work followed by rest and recovery
- Circuit Training Stations are used to develop aerobic endurance.

Speed Training

- Hollow Sprints Sprints separated by a hollow period of jogging or walking.
- Acceleration Sprints Pace is gradually increased and different resistance drills are used with rest intervals.
- Interval Training Work followed by rest or recovery.

M Fitness testing Fitness tests

- Sit and Reach Test measured in cm/inches
- Grip Dynamometer measured in KgW
- Multistage Fitness Test measured in ml/kg/min
- Forestry Step Test measured in ml/kg/min
- VO2 Max Test measured in ml/kg/min
- 35m Sprint Test measured in s
- Speed and Agility Illinois Test measured in s
- Anaerobic Power Vertical Jump measured in kgm/s
- Muscular Endurance 1 Minute Press Up and Sit Up Test – measured in reps/minute
- Body Composition BMI, kg/m2
- Bioelectrical Impedance Analysis
- Skin Fold Test



PE

Inheritance, Variation and Evolution Knowledge Organiser

Keywords

allele - An alternative form of a gene.

asexual reproduction - The production of offspring from a single parent by mitosis. The offspring are clones of the parent.

chromosome – Structures that contain the DNA of an organism and are found in the nucleus.

cystic fibrosis – A disorder of cell membranes that is caused by a recessive allele.

DNA - A polymer that is made up of two strands that form a double helix.

dominant – An allele that is always expressed, even if only one copy is present.

fertilisation - The fusion of male and female gametes.

gamete – Sperm cell and egg cell in animals; pollen and egg cell in plants.

gene - A small section of DNA that codes for a specific protein.

genome - The entire genetic material of an organism.

genotype - The combination of alleles.

heterozygous - A genotype that has two different alleles, one dominant and one recessive.

homozygous - A genotype that has two of the same alleles. Either two dominant alleles or two recessive alleles.

meiosis – The two-stage process of cell division that reduces the chromosome number of the daughter cells. It makes gametes for sexual reproduction.

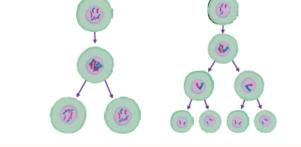
mutation – A change in DNA.

phenotype – The characteristic expressed because of the combination of alleles.

polydactyly - Having extra fingers or toes. It is caused by a dominant allele.

recessive – An allele that is only expressed if two copies of it are present.

sexual reproduction – The production of offspring by combining genetic information from the gametes of two parents. Leads to variation in the offspring.



Mitosis	Meiosis
Produces two daughter cells.	Produces four daughter cells.
Daughter cells are genetically identical.	Daughter cells are not genetically identical.
The cell divides once.	The cell divides twice.
The chromosome number of the daughter cells is the same as the parent cells. In humans, this is 46 chromosomes.	The chromosome number is reduced by half. In humans, this is 23 chromosomes.
Used for growth and repair, and asexual reproduction.	Produces gametes for sexual reproduction.

Step 3:

How to Complete a Punnet Square

Step 1:

Put the two alleles

into the boxes at the

top. This parent is

means they have

one dominant and

one recessive allele.

a heterozygote. This

from one parent

А	a		А	a	
		А			
		a			

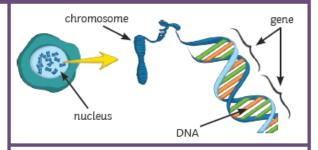
Step 2:

Put the two alleles from the second parent into the boxes on the left. This parent is also a heterozygote.

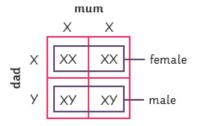
a I L		А	a
a	Α	► AA	Aa
a	a	Aa ►	aa

Step 4:

Put the alleles from Put the alleles from the first parent the second parent into the two boxes underneath them. to the right of them.



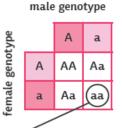
Sex Determination



Females carry two X chromosomes. Males carry one X and one Y chromosome.

Probability

There are four possible combinations of gametes that offspring can inherit.



One of these four has the genotype as – that's $\frac{1}{4}$, 25% or 0.25.

The recessive phenotype has a ratio of 1:3 because only one combination will show the phenotype while the other three will not.

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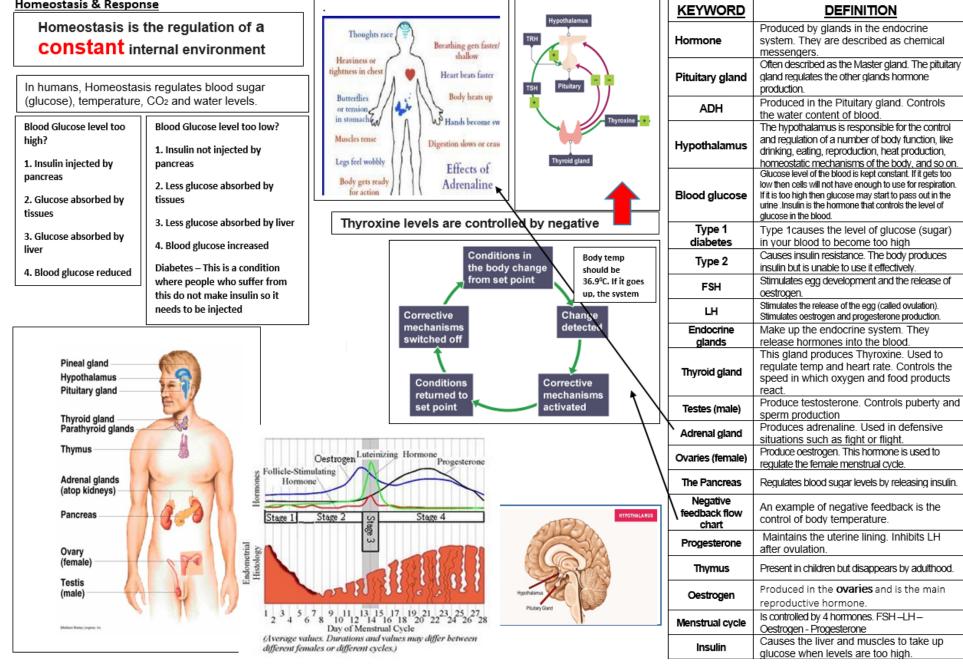
Community

"Inspiring Education for All"

Science



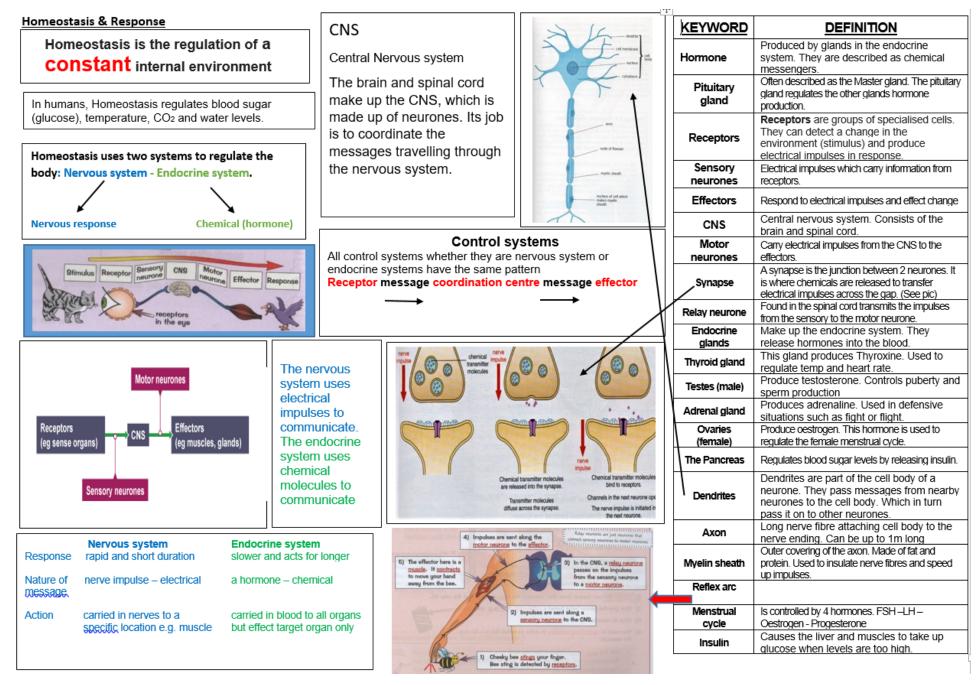
Homeostasis & Response



Community

"Inspiring Education for All"

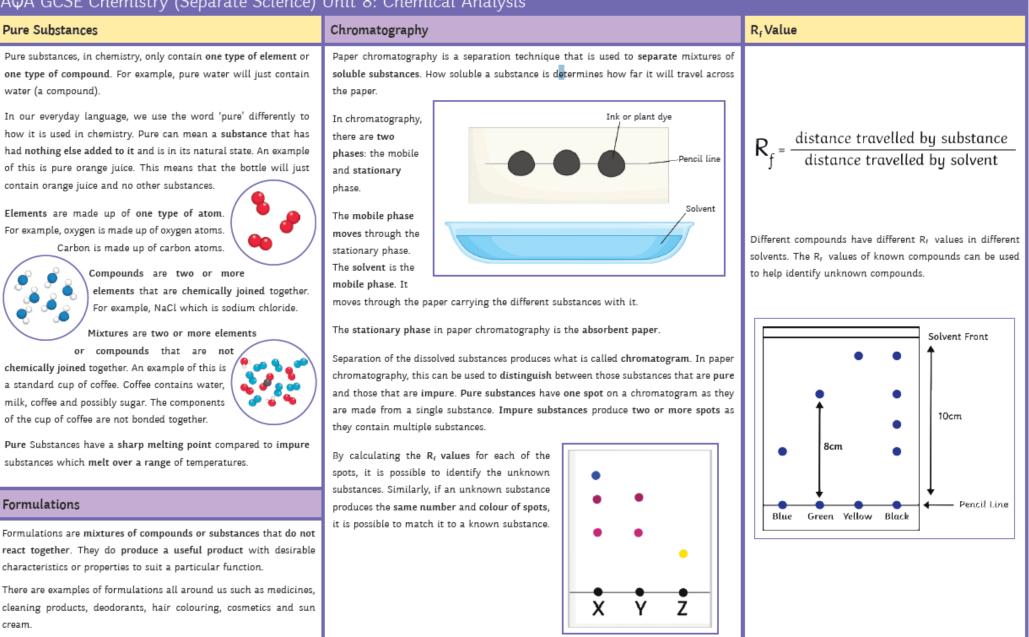
Science



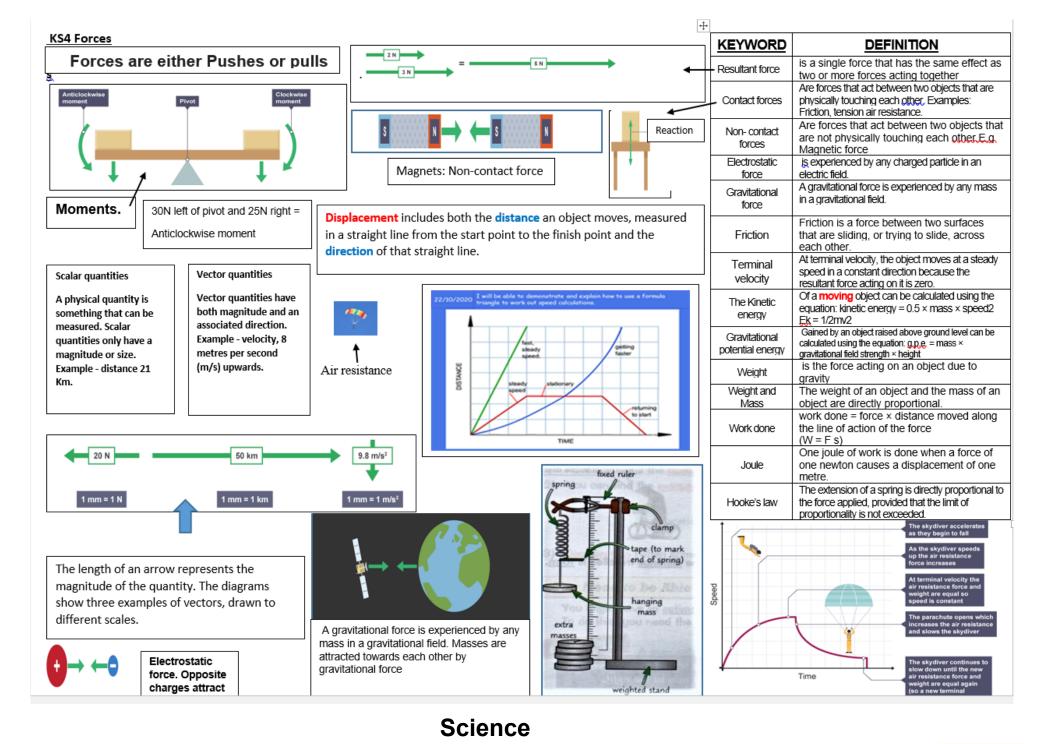
Science

Community

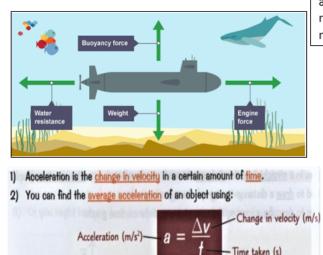
AQA GCSE Chemistry (Separate Science) Unit 8: Chemical Analysis



Science



Community

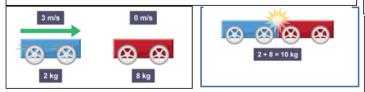


3) Deceleration (when something slows down) is just negative acceleration.

Newton's 2nd Law. **F** = *m* **a**. The equation shows that the acceleration of an object is:

· proportional to the resultant force on the object

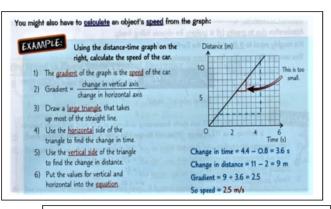
• inversely proportional to the mass of the object In other words, the acceleration of an object increases if the resultant force on it increases, and decreases if the mass of the object increases.



Calculation involving collisions.

Collisions are often investigated using small trolleys. The diagrams show an example.

The submarine has both vertical forces and horizontal forces acting on it. The horizontal forces will not affect its vertical movement and the vertical forces will not affect its horizontal movement.



HIGHER: Two forces act on an object, a 25 N force in the North direction, and 20 N force at 900 to the East. In this case, using a scale of 2 mm = 1 N, you draw vertical line 50 mm long and connect to it a horizontal line of 40 mm.

The two lines form half a rectangle, so, to get the resultant line, imagine the other half of the rectangle (or draw it in faintly) and draw the resultant line diagonally across the rectangle.

2 kg trolley = $2 \times 3 = 6$ kg m/s 4 kg trolley = $8 \times 0 = 0$ kg m/s

Total momentum before collision = 6 + 0 = 6 kg m/s

Total momentum (p) after collision = 6 kg m/s (because momentum is conserved) Mass (m) after collision = 10 kg

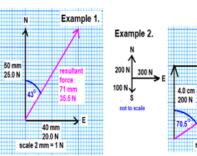
m

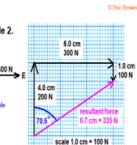
Next, rearrange p = m v to find v;1, v = p

2 v = 6 3 v = 0.6m/s

Science







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PERFORMANCE THEME : underlying message, or 'big idea.

ACTING STYLES:

Verbatim: word for word; every single word from an audio file in text.

Symbolism: used to represent something different than what you will see at face value.

<u>Melodrama</u>: a sensational dramatic piece with exaggerated characters and exciting events intended to appeal to the emotions.

<u>Epic:</u> theatre which avoids illusion and often interrupts the story line to address the audience directly with analysis, argument, or documentation (i.e., placards)

<u>Comedy</u>: a literary genre and a type of dramatic work that is amusing and satirical in its tone, mostly having a cheerful ending.

<u>Absurdism</u>: theatre in which standard or naturalistic conventions of plot, characterization, and thematic structure are ignored or distorted to convey the irrational or fictive (created by the imagination) nature of reality and the essential isolation of humanity in a meaningless world.

<u>Classical:</u> an umbrella term for different **acting** techniques used together. It encompasses the use of the whole body, the full range and quality of the voice, the **actor's** imagination, the **actor's** ability to personalize, improvise, use external stimuli, and analyse scripts.

Forum Theatre: Audience stopping the performance and improving the action through feedback or by taking on the role of one character.

<u>Naturalism</u>: attempts to create an illusion of reality in terms of the setting and performances, should be realistic and not flamboyant or theatrical.

<u>Theatre of Cruelty:</u> developed by Antonin Artaud, aimed to shock audiences through gesture, image, sound and lighting. Artaud believed gesture and movement to be more powerful than text. Sound and lighting could also be used as tools of sensory disruption.

<u>Commedia dell' Arte:</u> a form of popular theatre that emphasized ensemble acting (small group). Its improvisations were set in a firm framework of masks and stock situations.

ACTING FOR THE SCREEN VERSES ACTING ON STAGE: <u>http://en-acting-what-are-the-differences/#:~:text=When%20acting%20for%20screen%2C%20actors,can%20look%20unrealistic%20on%20screen</u>.

CLASSICAL ACTING: an umbrella term for different **acting** techniques used together. It encompasses the use of the whole body, the full range and quality of the voice, the **actor's** imagination, the **actor's** ability to personalize, improvise, use external stimuli, and analyse scripts.

https://en.wikipedia.org/wiki/Classical_acting

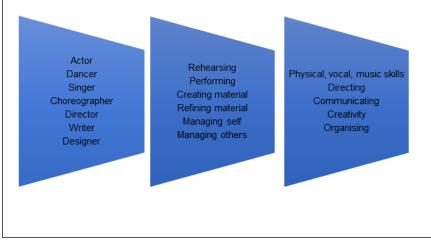
METHOD ACTING: a **technique** or type of **acting** in which an **actor** aspires to encourage sincere and emotionally expressive performances by fully inhabiting the role of the character. It is an emotionoriented **technique** instead of classical **acting** that is primarily action-based.

https://strasberg.edu/about/what-is-method-acting/ #:~:text=The%20Method%20trains%20actors%20to,can% 20fire%20the%20actors%20imagination.&text=As%20Lee% 20Strasberg%20said%2C%20Method,done%20whenever% 20they%20acted%20well.

CREATIVE INTENTIONS (reference performance style,

theme, and target audience): refers to the decisions, made by theatre makers to communicate deeper **meaning** through their work. Without an artistic **intention** a piece of drama lacks a purpose or a message for its intended audience.

ROLES, RESPONSIBILITIES AND SKILLS IN THE PER-FROMING ARTS:



Drama

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