



Independent Study Booklet

Year 9 Terms 3 & 4



Independent study:

Completing Independent Study work that is linked to the learning in your lessons can increase the progress you make at school by an average of five months.
(Education Endowment Foundation, 2001)



At MWA students must:

- Complete independent study tasks to the best of your ability
- Submit work by the deadline set by your teacher
- Ask your teacher if you don't understand what to do
- Attend any support sessions offered by your teacher



Your teachers will:

- Set independent study tasks on **Class Charts** for you to complete
- Check that you know how to complete independent study tasks.
- Award positive points for completed tasks



Your parent/guardian could:

- Check what independent study you've been set
- Support you to complete your independent study at home
- Help you find a quiet space at home to complete your independent study

Independent Study at MWA by subject:

Subject	What sort of Independent study tasks will I be set on ClassCharts?	My teacher hasn't set me any Independent study? OR I'd like to do extra Independent Study? What should I do?	What can I do to prepare for the next PPE/assessment window?
English	Approximately 1 hour per fortnight. You should work independently to learn new vocabulary and revise core knowledge	1. Read a wide variety of texts 2. Build a portfolio of creative writing pieces	Use the knowledge organisers and your books to revise core knowledge and skills you have been learning.
Maths	Approximately 1 hour per fortnight. Your Maths teacher will always set a study task on SPARX	Complete the extra tasks on the SPARX landing page: 1. XP Boost – extra questions at the same level of difficulty 2. Target – extra questions at a higher level of difficulty	You will be able to find a revision list for your next assessment on ClassCharts. The list contains some codes that will direct you to revision activities on SPARX
Science	Approximately 30 minutes per fortnight. Complete the fortnightly key word and questions sheet.	Self-quizzing using the Science knowledge Organisers	Self-quizzing using the Science knowledge organisers
Geography	Approximately 30 minutes per fortnight – you should focus on learning the key words in the Geography knowledge organiser	Complete the following courses on Seneca https://senecalearning.com/en-GB 1. Climate change 2. Analysis of Bangladesh 3. Natural Resources 4. Ecosystems	Learn key words from the knowledge organiser. Look over the content list and revision materials provided on ClassCharts.

Subject	What sort of Independent study tasks will I be set on ClassCharts?	My teacher hasn't set me any Independent study? OR I'd like to do extra Independent Study? What should I do?	What can I do to prepare for the next PPE/assessment window?
History	Spend approximately 30 minutes a fortnight using your knowledge organiser to make flashcards to help prepare for the in-lesson quiz	Use BBC Bitesize or youtube videos to improve your knowledge of your current topic. Links can be found on Classcharts	Use the revision PowerPoints on Classcharts to make mindmaps and flashcards. Learn the key words and events on the knowledge organisers
Languages	Spend at least 30 minutes per fortnight learning phrases from the knowledge organiser which we have studied in class	Spend some time practicing French or Spanish on Linguscope. www.linguscope.com Username: mwa Login: happyhippo88	Revise the vocabulary from the knowledge organiser using mind maps and flashcards
DT/Food	You should be measuring and weighing your ingredients in preparation for your next food practical lesson	Use your knowledge organiser to help you revise for your next assessment	Use your knowledge organiser to help you revise for your next assessment
Art	For approximately 30 minutes every fortnight complete extension and embedding tasks or preparation tasks for your next art lesson	Improve your drawing skills – start with simple exercises, like sketching basic shapes or practicing shading then move onto simple still life arrangements	Continue practicing your drawing – it will strengthen your hand-eye coordination and fine motor skills
Music	For approximately 30 minutes per fortnight use the knowledge organisers to revise for music quizzes	If you have an instrument at home – practice! Use BBC Bitessize Music resources to explore as broader range of music as possible.	Book a practice room during social times to rehearse and prepare for performance assessments (the rooms are popular so be quick)
Dance & Drama	Drama – you will be expected to learn line and rehearse performances Dance – you will be expected to rehearse choreography to prepare for performances	Approach Mrs Gwilliam (Dance) or Mrs Coomer (Drama). Use BBC Bitesize to access additional online revision.	Use the knowledge organisers to revise key content in preparation for a test

Monkton Wood Maths Department

Sparx

Independent Study

For all Independent study at both KS3 and KS3 we use an online platform called Sparx.

Students have been created their own personal account using their name and date of birth and will have created their own password. Students are able to request a password reset should they forget their details.

Sparx is an intelligent online platform that sets the students work based on topics that they have previously covered in lessons. So that students continue to build on their previous knowledge it sets 40% of the questions on previously taught retrieval practice and 60% of the questions cover the most recent topic.

Sparx calculates what 1 hour of differentiated homework looks like for each student and will set them a range of questions that it deems to be at an appropriate level for the students. Week by week it adapts based on the work that they have completed.

We have seen that if parents are 'too helpful' with completing the tasks then it will instinctively increase the difficulty in the following weeks.

Every question on the platform comes with an associated help video, that gives the students modelled examples to support them if they get stuck.

A screenshot of the Sparx Maths website. At the top, there's a blue header bar with the 'Sparx Maths' logo on the left and navigation links on the right. Below the header is a sidebar with icons for 'Community', 'XP Boost', 'Topics', 'Help', and 'Feedback'. The main content area has a white background. In the center, it says 'Hey Teacher,' followed by a message: 'It's your place to access Community homework, resources & other daily updates coming to Sparx soon.' To the right of the message is a circular profile picture placeholder with the number '0/0' inside. At the bottom of the page, there's a footer bar with icons for 'Logout', 'Delete /', 'Help', and a menu icon.

The landing page will allow the students to access a range of tasks.

- Compulsory is the homework that **must** be completed. **The students need to get 100% of the questions correct to successfully complete their independent study.**
- XP Boost is an optional set of questions for additional practice at the same level.
- Target is an optional set of questions at a higher level.

If students struggle, we ask them to speak to their Maths teacher, who can find ways to help them complete these tasks.

Please email any enquiries about this to:

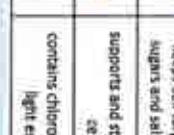
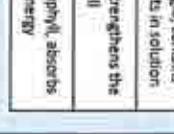
maths.mwa@mwa.clf.uk



Monkton
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Academy

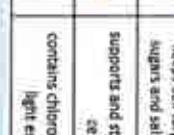
1. Animal Cells

Animal cells are eukaryotic because they have a nucleus.

cytoplasm		area of membrane	enzymes to catalyse the reactions	get life substance containing enzymes to catalyse the reactions
nucleus		contains genetic material	controls the activities of the cell and codes for proteins	controls the activities of the cell and codes for proteins
cell membrane		semi-permeable	controls the movement of substances in and out of the cell	controls the movement of substances in and out of the cell
ribosome		site of protein synthesis	mRNA is translated to an amino acid chain	mRNA is translated to an amino acid chain
mitochondria		site of respiration	where energy is released for the cell to function	where energy is released for the cell to function

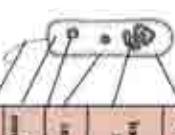
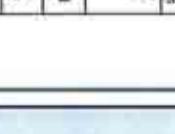
2. Plant Cells

Plant cells are eukaryotic because they have a nucleus. Plant cells contain all of the animal parts plus a few extra:

peripheral cytoplasm		containing cell org.	keeps cell turgid, contains sugars and salts in solution	keeps the cell turgid, contains sugars and salts in solution
cell wall		inside of cell	supports and strengthens the cell	supports and strengthens the cell
chloroplast		site of photosynthesis	contains chlorophyll, absorbs light energy	contains chlorophyll, absorbs light energy

3. Bacteria Cells

Bacteria cells are prokaryotic because they do not have a nucleus. They are also much smaller than animal and plant cells.

nucleoid		area of chromatin	gel-like substance containing enzymes to catalyse the reactions	area of chromatin
bacterial cell wall		(not membrane fluid) is in the cytoplasm	controls the function of the cell; DNA and plasma (small ring)	controls the function of the cell; DNA and plasma (small ring)
cell wall		outer layer	supports and strengthens the cell	supports and strengthens the cell
membrane		inner membrane	controls the movement of substances in and out of the cell	controls the movement of substances in and out of the cell
flagella		wavy like hair	allows the bacterial cell to move	allows the bacterial cell to move
ribosome		site of protein synthesis	mRNA is translated to an amino acid chain	mRNA is translated to an amino acid chain

6. Digestive Enzymes

Enzymes in your digestive system break large insoluble molecules down into smaller soluble molecules that can be absorbed into the blood for transportation.

Carbohydrates		Carbohydrase	Simple sugars
Molasses in the Small Intestine			
Fats (triglycerides)		Lipase	Cholesterol + fatty acids
Proteins		Protease	Amino acids

9. Transportation Processes



	Diffusion	Osmosis	Active Transport
No energy required	No energy required	No energy required	Energy required
Particles in solution	Water particles	Movement of particles	Movement of particles
Higher concentration to lower concentration	Dilute solution to more concentrated solution	Dilute solution to more concentrated solution	

Oxygen and carbon dioxide during gas exchange in lungs	Water into roots via root hair cells	Mineral ions into plant roots
		Glucose into the small intestine

CB1 Key Concepts in Biology

7. Enzyme Action

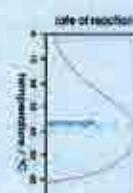
The lock and key model is used to explain how enzymes work.

The substrate (key) fits into an active site (lock) which has a specific complementary shape.



8. Enzyme Activity

Enzymes increase the rate of specific reactions in living organisms. Enzyme activity is affected by temperature, pH and substrate concentration.



Enzymes have an optimum temperature



Enzymes have an optimum pH. Increasing substrate concentration increases rate. This is limited by number of active sites.



1. Growth in Animals

Growth is an increase in the number or size of cells. It can be measured by an increase in mass and an increase in length.

At first, cells divide before differentiating to become specialised. Specific structures help specialised (differentiated) cells carry out a particular function.

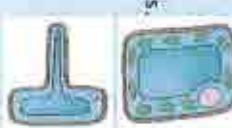


2. Growth in Plants

Groups of cells at the end of each shoot and root allow a plant to continue to grow. These groups of cells are called meristems.

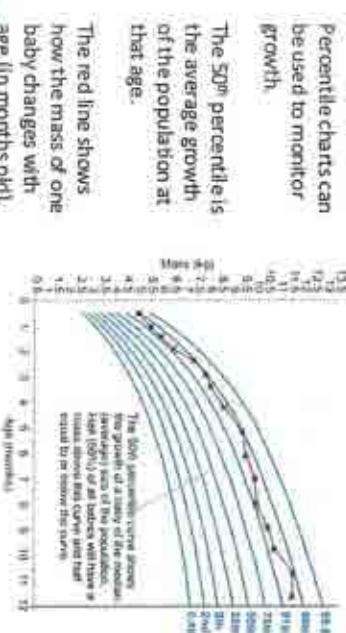
These cells divide by mitosis before increasing in length (elongating), and finally differentiating into specialised plant cells.

Palisade cells are located in the leaf of a plant. They contain a lot of chloroplasts for photosynthesis. Root hair cells do not contain any chloroplasts. Instead, they have a large surface area to increase the uptake of water and nutrients from the soil.



3. Percentile Charts

Percentile charts can be used to monitor growth.



5. Stem Cells

Stem cells divide repeatedly before differentiating.

Embryonic stem cells – differentiate into any specialised cell

Adult stem cells – produce cells similar to those around them

Stem cells are being used to treat a wide range of disease. However, when injected they are often 'rejected' or divide and cause cancer.

6. Asexual Reproduction

The red line shows how the mass of one baby changes with age (in months old).

9. Synapses

The gap between two neurones (nerve cells) is called a synapse.



When an impulse (electrical signal) reaches the end of a neurone, a chemical neurotransmitter is released.

It diffuses across the gap (synapse) and is detected by the next neurone which then triggers another impulse.

Synapses slow down neurotransmission but do ensure impulses only flow in one direction.

CB2 Cells and Control

7. Nerves and Nervous System

The Central Nervous System (CNS) is made up of the brain and spinal cord.

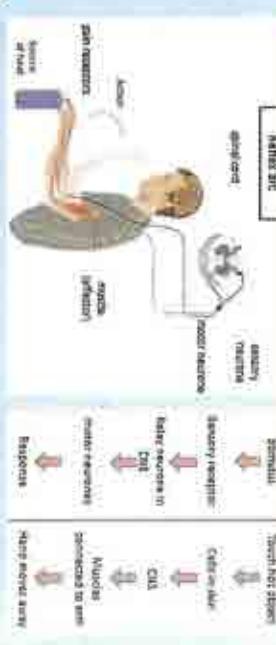
Mitosis is part of the cell cycle and has 5 stages: prophase, meta phase, ana phase, telophase and cytokinesis. Interphase occurs before mitosis as part of the cell cycle.



8. Reflex Arc

Reflexes are automatic and rapid. They do not involve the conscious part of the brain and can protect humans from harm.

Reflex arc



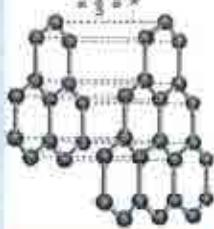
2. Allotropes of carbon

The element carbon can form a number of different molecules. Different forms of the same element are called allotropes. The structure and bonding will influence the properties and uses.



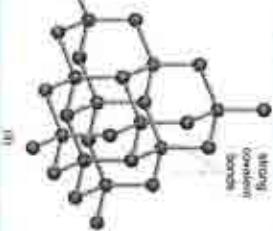
Graphene

- A giant covalent molecule
- 3 bonds between each carbon
- A sheet is one atom thick therefore the lightest known material
- As it only has 3 covalent bonds it conducts electricity



Graphite

- A giant covalent molecule
- Layers of graphene stacked on top of each other.
- Weak forces between layers means it can be used as a carbon based lubricant 3 bonds between each carbon
- Like graphene it can conduct electricity



- A simple molecule
- 3 bonds between each carbon
- Either as a tube (nanotubes) or buckminsterfullerene (C_{60}) bucky ball
- Low melting point

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Bonding models

3. Summary of different types of bonds

Ionic

Where found in most compounds containing metal and non-metal atoms. Bonding: Ionic bonds formed by the loss (and gain) of electrons to make oppositely charged ions that attract one another.

Structure: Millions of ions held together in a lattice structure.

Properties:

- High melting/boiling points:
- min/max malleability
- conduct electricity when liquid or in solution but not solid

Simple molecular (covalent)

Where found in most non-metal elements and compounds. Bonding: Covalent bonds formed when atoms share pairs of electrons.

Structure: Small, discrete groups of atoms.

Properties:

- low melting/boiling points
- most do not conduct electricity

Giant covalent
Where found in a few non-metal elements and some compounds of both metals. Bonding: Covalent bonds formed when atoms share pairs of electrons. Structure: billions of atoms held together in a lattice structure. Properties:

Metallic

Where found in all metals. Bonding: metallic bonds are the electrostatic attraction between positive metal ions and negative delocalised electrons. Structure: billions of ions held together in a sea of delocalised electrons. Properties:

- high melting/boiling points
- moderate malleability
- most do not conduct electricity except in certain temperatures
- conduct electricity when solid or liquid

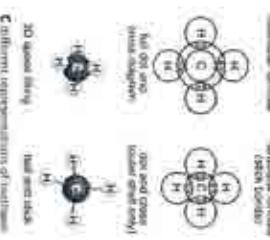
Metallic structure and bonding

- The atoms in a metallic element are all the same size and are packed closely together.



1. Different models of a molecular substance
- Molecular formula** Shows the number of each element. Does not show the bonds.
- Structural formula** Shows how many bonds between each atom. Does not show electron sharing.

- Dot and cross diagram** Shows electron sharing. Shows 3D space filling. Shows relative size of each atom. Does not show bonds.
- Ball and stick** Shows relative size of each atom and bonds.



Metal atoms have 1,2,3, electrons on the outer shell. These outer shell electrons are lost from each atom and become free to move randomly throughout the metal. This gives a sea of delocalised electrons which move in random directions.

B Metals consist of stacked layers of ions. In a sea of delocalised (free) electrons.



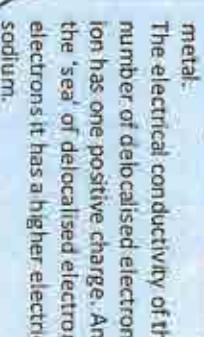
- Metals are malleable** They can be hammered or rolled into shape without shattering. Layers slide over each other. The sea of electrons hold the ions together.



- Metals are ductile** They can be stretched without breaking. The sea of electrons allows the metal to deform without breaking.



- Metals are good conductors of electricity** They when a charge is passed through a metal this causes the sea of delocalised electrons to carry the electrical flow through the metal.



- The electrical conductivity of the metals increase as the number of delocalised electrons increase. Each sodium ion has one positive charge. And contributes 1 electron to the 'sea' of delocalised electrons. As Magnesium loses two electrons it has a higher electrical conductivity than sodium.

4. Properties of metals

The atoms in a metallic element are all the same size and are packed closely together.



A View From The Bridge

		Key Events	
		Key Themes	
		Key Characters	
<p>A</p> <p>Catherine reveals that she has been offered a job and Eddie expresses his disapproval; Eddie tells the story of Vinny Bolzano; Marco and Rodolpho arrive</p> <p>Rodolpho talks about his life in Italy; Rodolpho sings for Catherine; Eddie becomes increasingly vociferous about his suspicious of Rodolpho</p> <p>Mike and Louis joke to Eddie about Rodolpho's flamboyance; Eddie continues to restrict Catherine's freedom; Catherine finally admits that she has feelings for Rodolpho</p> <p>Catherine complains to Beatrice that Eddie will not listen to her; Beatrice urges Catherine to change her behaviour around Eddie</p> <p>Alfieri advises Eddie not to prevent the relationship between Catherine and Rodolpho; Eddie hits Rodolpho; Marco defeats Eddie in a test of strength</p> <p>Rodolpho and Catherine find themselves alone in the apartment; Rodolpho angrily rejects the idea of moving to Italy with Catherine</p> <p>Eddie drunkenly returns to the apartment; Eddie sees that Catherine and Rodolpho have been alone; Eddie kisses Rodolpho</p> <p>Alfieri tells Eddie that he is powerless to stop the marriage between Rodolpho and Catherine; Beatrice reveals that Lipari has illegal immigrants living with him</p> <p>Eddie calls the Immigration Bureau; Lipari's house is raided; Marco challenges Eddie; Marco kills Eddie</p>		<ul style="list-style-type: none"> • Catherine reveals that she has been offered a job and Eddie expresses his disapproval; Eddie tells the story of Vinny Bolzano; Marco and Rodolpho arrive • Rodolpho talks about his life in Italy; Rodolpho sings for Catherine; Eddie becomes increasingly vociferous about his suspicious of Rodolpho • Mike and Louis joke to Eddie about Rodolpho's flamboyance; Eddie continues to restrict Catherine's freedom; Catherine finally admits that she has feelings for Rodolpho • Catherine complains to Beatrice that Eddie will not listen to her; Beatrice urges Catherine to change her behaviour around Eddie • Alfieri advises Eddie not to prevent the relationship between Catherine and Rodolpho; Eddie hits Rodolpho; Marco defeats Eddie in a test of strength • Rodolpho and Catherine find themselves alone in the apartment; Rodolpho angrily rejects the idea of moving to Italy with Catherine • Eddie drunkenly returns to the apartment; Eddie sees that Catherine and Rodolpho have been alone; Eddie kisses Rodolpho • Alfieri tells Eddie that he is powerless to stop the marriage between Rodolpho and Catherine; Beatrice reveals that Lipari has illegal immigrants living with him • Eddie calls the Immigration Bureau; Lipari's house is raided; Marco challenges Eddie; Marco kills Eddie 	<ul style="list-style-type: none"> • Catherine reveals that she has been offered a job and Eddie expresses his disapproval; Eddie tells the story of Vinny Bolzano; Marco and Rodolpho arrive • Rodolpho talks about his life in Italy; Rodolpho sings for Catherine; Eddie becomes increasingly vociferous about his suspicious of Rodolpho • Mike and Louis joke to Eddie about Rodolpho's flamboyance; Eddie continues to restrict Catherine's freedom; Catherine finally admits that she has feelings for Rodolpho • Catherine complains to Beatrice that Eddie will not listen to her; Beatrice urges Catherine to change her behaviour around Eddie • Alfieri advises Eddie not to prevent the relationship between Catherine and Rodolpho; Eddie hits Rodolpho; Marco defeats Eddie in a test of strength • Rodolpho and Catherine find themselves alone in the apartment; Rodolpho angrily rejects the idea of moving to Italy with Catherine • Eddie drunkenly returns to the apartment; Eddie sees that Catherine and Rodolpho have been alone; Eddie kisses Rodolpho • Alfieri tells Eddie that he is powerless to stop the marriage between Rodolpho and Catherine; Beatrice reveals that Lipari has illegal immigrants living with him • Eddie calls the Immigration Bureau; Lipari's house is raided; Marco challenges Eddie; Marco kills Eddie

Geography: Year 9 - Unit 2

How long can we exploit the Earth's resources?

Word	Meaning	Word	Meaning	Word	Meaning	Word	Meaning
Astrophere	the thin, fragile layer of gases that surrounds the Earth	Lithosphere	the rigid outer layer of the earth, made up of the upper mantle and the crust.	Quaternary Period	last 2.6 million years. The Holocene makes up the last 11,700 years of this period.		
Biofme	a large community (large ecosystem) of plants and animals found in a major habitat such as rainforests, tundra etc.	Metamorphic rock	have been subjected to tremendous heat and/or pressure. They are usually resistant to weathering and erosion and are therefore very hard-wearing.	Anthropocene	refers to the current time period since 2000 in which people had the largest impact on Earth.		
Biosphere	living matter on Earth, including all plant and animal life	Natural Resources	substances that are found in nature which can be used by humans, such as water; soil, coal, minerals, wood, animals etc	Weathering	The breaking down of rocks in situ (in the same place) through biological, mechanical and chemical processes		
Crude Oil	naturally occurring and unrefined petroleum that can be refined into diesel, petrol, gasoline, kerosene, and other petrochemicals	Non-renewable	substances which are limited and so will run out one day or cannot be replaced during our lifetime, such as natural gas, coal etc	Permeable / Impermeable	Letting water through / not letting it through		
Energy mix	refers to the different energy sources we use as a country and in what proportions. This is often split into renewable and non-renewable forms of energy.	Raw Materials	(the basic materials or substances from which products can be made, such as wood can be transformed into furniture	Power station	a place where energy is made before being used by the national grid that powers the UK		
Fossil Fuel	Petroleum (oil), coal or natural gas, which is formed by the fossilised (preserved) remains of ancient plants and animals that are deposited over millions of years	Renewable	resources that can be replaced over time, and will not run out, such as water, wind, forests, etc	Net Zero	The UK's target to have no greenhouse gas emissions by 2050		
Geological time	the long period of time occupied by the earth's geological history	Sedimentary Rock	sediments settled at the bottom of ancient lakes, seas or oceans and have been compressed. Sediment comes from eroded rocks carried by rivers or ice and from skeletons of sea creatures.	Soil profile	The different layers of the soil beneath the ground		
Geologists	expert scientists who study the structure of the Earth and its rocks.	Stakeholder	someone with an interest in a particular issue	Alternative energy	Nuclear power. Use of radioactive material for power. It is not renewable but is considered better than fossil fuels.		
Hydrosphere	the water on the surface of the earth in oceans, rivers, lakes, rain and mist	Sustainability	when materials and resources are used in a way that will balance the needs of the present without compromising the future, the ability to maintain something such as economic growth	Energy Insecurity	Not having enough energy for the needs of a population or location		
Igneous rock	Formed from molten rock. Longer cooling makes larger crystals... Made inside the earth	Interdependent	depending on something else				

WHAT will PROGRESS look like in this unit?

Deepening – independent and accurate

- Meet the criteria for on track with accuracy and independence
- In addition, students may demonstrate:

A clear understanding of the role of resources and how this links to a changing world and a clear view on why they are important

On track – relative accuracy with occasional support

- Describe and identify the spheres of earth – atmosphere, biosphere, hydrosphere, lithosphere
- Explaining in detail different examples of how the spheres are interdependent.
- Define and give examples of renewable resources - Air, water, wind, sunlight, living matter (not specifically energy resources).

Defining non-renewable resources - Coal, oil, natural gas

- Accurately explain the difference between renewable and non-renewable energy and name examples such as fossil fuels (coal, oil, gas) and solar, wind and nuclear ("alternative energy not renewable").
- Accurately describe the main types of energy used in the UK and how this mix is changing over time.

Understand what the carbon footprint and ecological overshoot – resources are running out and being used in an unsustainable manner

- Understand the idea of geological time and its role in the formation of some natural resources
- Explore the formation of rocks, soil and oil
- Exploring world's reliance on fossil fuels – specifically looking at a pipeline of your choosing and the alternatives (getting fossil fuels from other countries, changing energy mix, increasing renewable resource options)

Considering the role of stakeholder opinions in making an informed decision on how fossil fuel pipelines offer opportunities and challenges

- Evaluate the energy use of two differing countries – China vs Costa Rica
- Yet to be on track – not independent and will require regular support**

Do not meet the criteria for on track with due to infrequent use of accuracy and need for regular support and scaffolding.

- In addition, students may have needs around: numerical skills and literacy.

Skill: What are you getting better at?

Interpretations:	How people choose to present the past after an event. A view or judgement formed about an event.
Opinion	What historians can learn from a source.
Useful	choosing evidence to support your argument to be believable or true
Selective	Convincing Provenance Who made the source.
Convincing	Anti-Semitic violence reaches its height in 1938 with Kristallnacht (night of broken glass).
Provenance	The expansion of Auschwitz I and the creation of Auschwitz Birkenau begins in 1941. By 1945 more than 1.1 million Jewish people were murdered there.
Evidence	Sources of information about the past from the time period of study. Information about the past, e.g. diaries, photos, paintings
Sources	Imply To suggest something Infer To work out something Utility How useful (what you can learn)
Imply	Sources of information about the past from the time period of study.
Infer	Information about the past, e.g. diaries, photos, paintings
Utility	
Evidence	
Sources	

Enquiry Question: How and why was the Holocaust happen?

Story: What you need to know about The Holocaust

The Nazis came to power in 1933, with Hitler as their leader. Shortly after coming to power The Nazi's began restricting the rights and freedoms of Jewish people.
The first concentration camp was opened at Dachau in Germany 1933.
In 1935 they introduced the Nuremberg Laws which removed all rights and freedoms from Jewish people including their citizenship.
Anti-Semitic violence reaches its height in 1938 with Kristallnacht (night of broken glass).
The expansion of Auschwitz I and the creation of Auschwitz Birkenau begins in 1941. By 1945 more than 1.1 million Jewish people were murdered there.
At the Wannsee conference in 1942 the Nazis created a final solution to the 'Jewish problem'.
More than 6 million Jewish people were murdered by the Nazis.



March 1933 The first concentration camp at Dachau is opened.

January 1933 Adolf Hitler is appointed Chancellor of Germany

November 1938 Kristallnacht

October 1941 construction of Auschwitz Birkenau begins

January 1942 Wannsee conference

September 1935 The Nuremberg laws are introduced

1st September 1939 The Second World War begins.

Jan 27th 1945 Auschwitz-Birkenau is liberated by the Russians

Skill: What are you getting better at?

Similarity & Difference: Key words

Similarity & Difference:	points in history that share experiences or are opposites
Difference:	a different option or choice
Same:	identical, not different
Alternative:	a different option or choice
Dramatic:	sudden or striking
Evolve:	a slow gradual change
Diversity:	a range of difference

Consequences : Key Words

Consequence	Results of historical events, situations and changes
Impact	A measure of effect or influence
Trends	Patterns throughout history (long term)
Long Term consequence	Results happening over a long period of time after the event
Short Term consequence	Results immediately (less than 1 year) after the event

Story: What you need to know for: What was it like to live in Nazi Germany?

After the First World War there was a brief period of peace in Europe. However, by the end of the **1920s** we see an **economic decline** in Europe and the growth of right wing **Fascist** parties, particularly in **Germany and Italy**.

In Germany the Nazi's began to gain support as early as 1923 with the **Munich Putsch** however, its not until **1933** that the Nazi party are able to secure enough votes in the **Reichstag** (parliament) to form a government.

Once the Nazi's had secured power Hitler became a **Dictator** by banning all other political parties and then began aggressively perusing **Nationalist** ideas.

Once in power the Nazi's focused their ideas on changing and controlling the lives of all people in Germany, but particularly those of **Children, Women and Workers**.

Germany became a terror state, with a secret police called the **Gestapo**. They also use **propaganda** to help **indoctrinate** the people of Germany into the Nazi belief systems.



Key terms:	
Dictator	a ruler with total power over a country, typically one who has obtained control by force
Dictatorship	Country run by a dictator
Nationalism/nationalist	Support of your own country to the exclusion/detriment of others
Fascism	Right wing, political belief system which often supports nationalism and dictatorship. (Nazis were Fascist)
Propaganda	Art of persuasion through variety of advertising techniques
Appeasement	Prevention of war by giving in to an aggressive countries demands
Indoctrinate	To teach a person to accept a set of beliefs without question,
Reparations	Money paid by the losing country to pay for war damage.

1919 Signing of Treaty Of Versailles.

1923 Hitler's Munich Putsch

1929 Wall Street Crash

1935 Introduction of Nuremberg Laws (anti Jewish Laws) Germany

1939 outbreak of Second World War.

1924 Dawes plan, to reduce reparations payments and secure German borders

1933 Hitler comes to power in Germany

1938 German 'invades' Austria breaking Anschluss clause of Treaty of Versailles,

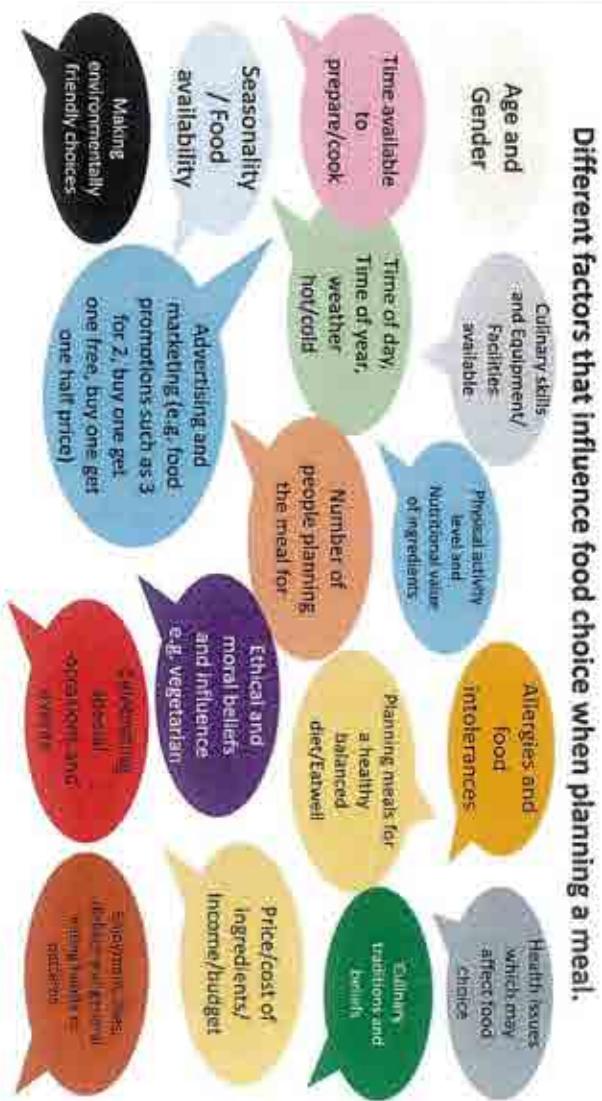
YEAR 9 FOOD

AP2 revision

Key Word	Definition
Nutrient	Substance essential for good health and well being
Macronutrient	Nutrients eaten in large quantities - carbohydrate, protein and fat
Protein	Nutrient used for growth and repair
LBV	low biological value protein - missing at least one essential amino acid.
HBV	High biological value protein. Contains all 10 essential amino acids
Fat	One of the macronutrients - used for protection and warmth
Saturated fat	Potentially harmful fat that should be restricted in our diet.
Carbohydrate	One of the macronutrients and should be the main source of energy in our diet
Micronutrient	A nutrient eaten in tiny amounts (minerals and vitamins)
Vitamin	Organic substance essential for health and well being
Mineral	Inorganic substance essential for the proper function of our bodies
Food Choice	What people decide to eat on a daily basis.
Vegetarian	A person who does not eat the flesh of animals
Vegan	A person who does not eat or use any products derived from animals

Food choice: The 'big 5' the most influential reasons for what we eat.

- Convenience - can we get the ingredients, can we make it, can someone else make it for us?
- Cost - with rocketing food prices most of us are making choices not on what we like, but what we can afford - how can I fill up the family on the budget I have.
- Culture - religion, food tradition and family favourites all play into what food we chose to eat
- Health - restricting our diet to keep the weight off, limiting foods that are harmful or eating 'super foods' for health gains.
- Environment - fish stocks are dwindling, battery chickens have a tough life and the planet is burning. What we eat has a huge impact on other animals and the environment.



- **Carbohydrate**

Starch is found in ingredients like cereals, rice and potatoes. These are made up of sugar molecules joined together which the body has to break down before they can be absorbed. These therefore give a slow release of energy which help us feel fuller for longer, keep our blood sugar levels more constant and therefore help us to control how much we eat.

Sugar is found in fruit, milk and any sweet product where processed sugar has been added. Sugar improved flavour and gives us a quick boost of energy but eating too much sugar can effect our mood, our teeth and increased risk of Diabetes.

Fibre is another form of carbohydrate and is essential to good health. Dietary fibre found in plants, particularly cereal husks and the skins of fruit and vegetables help us to feel fuller for longer, aid digestion and help to prevent heart disease and bowel cancer.

Protein. Proteins are made up of amino acids. The body can make some of these amino acids but others it can't. We need to eat foods with all of these essential amino acids.
There are two types of protein. HBV (high biological value) contain all the essential amino acids our body needs, LBV (low biological value) are missing some of these amino acids.

HBV (high biological value) contain all the essential amino acids our body needs and are found in animal products such as meat, dairy and eggs. They can also be found in soya beans.

LBV (low biological value) are missing some of these amino acids. LBV proteins are typically found in cereals, peas, beans, nuts and seeds.

protein complementation.

It is still possible to get all the amino acids you need by eating a range of LBV proteins. Beans on wholemeal toast is a really good example of where two LBV proteins can be combined to deliver all of the amino acids you need.

What is fat?

Fat is also a Macronutrient (one of the three)

When we talk about fats in cooking we refer to **fats**, which are solid at room temperature. And **oils**, which are liquid at room temperature.

When we talk about the chemical make up of different fats we can say that a fat is **saturated** or **unsaturated**

Saturated fat is more commonly found in animal products. These fats can increase the bad cholesterol in our bodies and lead to health problems such as coronary heart disease and diabetes. Unsaturated fat is easier for the body to digest and an important part of a healthy diet. Unsaturated fat helps us to make good cholesterol, a good source vitamins and an important way for us to get energy.

Micronutrients are vitamins and minerals needed by the body in very small amounts. However, their impact on a body's health are critical, and deficiency in any of them can cause severe and even life-threatening conditions.

What are vitamins?

They are **micronutrients** as they are needed in small amounts, on a daily basis. They are organic compounds and made by plants, animals and bacteria. As we can't make them we need to include them in our diet.

Vitamins are classified into 2 groups

Fat soluble: vitamins found in foods containing fat (A, D, E and K).

We can store unused fat soluble vitamins in our body for later use so we don't need to have these vitamins every day.

And

Water soluble: vitamins found in foods with high water content (B group, C).

These types of vitamins are lost in our urine and do not build up in our bodies so we need to top them up regularly through a healthy diet.

Minerals are inorganic naturally occurring substances. These play a vital role in the proper function of our bodies so we must include them in our diet.

- | | | |
|-------------|---------------|--------------------|
| • Calcium | • Milk | • Strong Bones |
| • Iron | • Red meat | • Healthy blood |
| • Sodium | • Bacon | • Fluid levels |
| • Vitamin A | • Carrots | • Healthy eyes |
| • Vitamin B | • Meat | • Energy from food |
| • Vitamin C | • Fresh fruit | • Healing wounds |
| • Vitamin D | • Oily fish | • Strong bones |

key vocabulary



Organic - made by living things



Art Visual elements

Colour	What you see when light reflects off something. Red, Yellow and Blue are primary colours.	
Line	A mark which can be long, short, wiggly, straight etc.	
Tone	How light or dark something is.	
Texture	How something looks or feels – e.g. rough or smooth.	
Pattern	A symbol or shape that is repeated.	
Shape	A 2D area which is enclosed by a line – e.g. triangle.	
Form	Something which has 3 dimensions – e.g. a cube, sphere or sculpture.	

Themes: Year 9

Art History Movement	A period of time where Artists have a similar style and philosophy.
Portraiture	The art of painting/drawing or taking photographs of faces.

Equipment and Techniques: Year 9

Painting	Acrylic paint, Chisel brush, Newspaper, Water.	Consistency, Application.
Screen Printing	Screen, Squeegee, Ink, Newspaper, Printing bed.	Stencil, Registration, Block Colours.
Drawing	Pencil: 2B, 4B, 6B. Rubber, Pencil Sharpener.	Blend, Tone, Shades, Highlights

Artists: Year 9

Banksy Keith Haring		Assessment Objectives										
Adekunle Adeleke Jordan Andrew Carter		<table border="1"> <tr> <td>D</td><td>Exceptional: Sophisticated, Perceptive, Masterful, Imaginative.</td></tr> <tr> <td>O+</td><td>Confident: Refined, Assured, In-Depth, Thorough.</td></tr> <tr> <td>O</td><td>Competent: Sustained, Informed, Thoughtful, Detailed.</td></tr> <tr> <td>Y</td><td>Basic: Attempted, Some, Incomplete.</td></tr> <tr> <td>A</td><td>Limited: Partial, Inconsistent.</td></tr> </table>	D	Exceptional: Sophisticated, Perceptive, Masterful, Imaginative.	O+	Confident: Refined, Assured, In-Depth, Thorough.	O	Competent: Sustained, Informed, Thoughtful, Detailed.	Y	Basic: Attempted, Some, Incomplete.	A	Limited: Partial, Inconsistent.
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Art Technique Key Words

Media/Medium	The materials and tools used by an artist to create a piece of art.
Technique	The way an artist uses tools and materials to create a piece of art.
Composition	Where you place objects on the page.
Highlight	The bright or reflective area on an object or piece of art.
Shadow/Shade	The darker areas within a piece of art or object.
Proportion	The size relationship between different parts – e.g. height compared to width.

Colour Vocab

Primary colours are the 3 main colours. They cannot be made, but are used to make all other colours.

Secondary colours are made by mixing 2 primary colours.

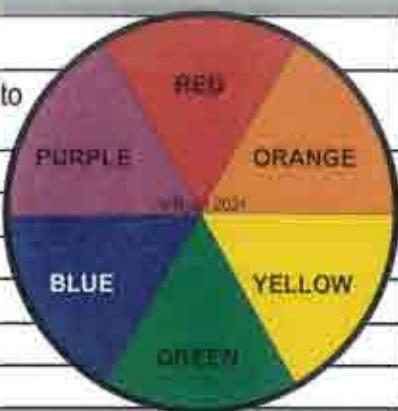
Tertiary colours are made by mixing primary and secondary colour together.

Complementary colours are opposite on the colour wheel.

Harmonious colours are next to each other on the colour wheel.

Tint – when you add white to a colour to make it lighter.

Shade – when you add black to a colour to make it darker.



Still life - a still life is a group of inanimate objects, such as bottles or plants.

Composition – This is the way that you place or position your objects. There are several different composition rules which are useful to know.

Rule of thirds: You divide up your paper horizontally and vertically into 9 equal sections, and by placing the focus of your image where the lines intersect, you create a balanced composition.

The Rule of odds: Suggests that an odd number of subjects in an image is more interesting to look at than an even number, and your eye is more likely to move around the image.

Mark making – To make your drawing look more realistic, you should try to use different marks to show textures and surfaces. You can do this by changing the direction, pressure or length of your marks.

Coloured pencil technique

Hatching	Lines which are shaded in one direction.	
Cross Hatching	Lines which cross in two directions.	
Stippling	Dots which are close together or far apart.	
Overlay	Layering multiple colours with even shade.	
Scribbling	Random marks – close together or far apart.	
Burnishing	Blending colours using a white pencil.	

Grades of Pencil – Pencils come in different grades, the softer the pencil, the darker the tone.

H=Hard B=Black. In art the most useful pencils for shading are 2B and 4B. If your pencil has no grade, it is most likely HB (hard black) in the middle of the scale.



Making objects look 3D – To prevent your drawings from looking flat, you should use a range of tones and marks. Pressing harder and lighter and layering with your pencil creates different tones. Use the direction of your pencil to help enhance the 2D surface, and you can also include shadows which will also help objects appear 3D.

Websites



www.pinterest.co.uk

www.tate.org.uk/kids

www.bbc.co.uk/bitesize/subjects/z6hs34j

Year 9

Theme: Signs of Our time

Visual Element: Form/Tone

Technique: Screen
Printing/drawing

Artists: Banksy/Keith Haring

Students will be researching into Modern Art and how it reflects the events of the world. Students will explore how Form and Tone can be created with different medias, they will explore how artists have used art to express opinion and make the viewer think about political events and views that are currently happening in the world. Focusing on Banksy and Keith Haring who use their art as a platform to express opinion through their work and we will be asking students to be influenced by them to create their own piece using similar style and the technique of using stencils to create a piece that reflects what is happening in our world today.



TASK 1: AO1 - Research into how ART reflects the events and political climate of the world and how these are shown through the Art Movements

TASK 2: A02 - Visual Element FORM – how this is used within a drawing to move a drawing from 2D to 3D

TASK 3: SPOT LIGHT ASSESSMENT A03

CHOOSE ONE OF YOUR DRAWINGS TO CREATE AS AN A4 TONAL DRAWING

THIS WILL BE A TWO HOUR SILENT EXAM DRAWING

TASK 4: A01 - History of Modern Art – understanding artist in this period of art

TASK 5: A01 – Critical Study on Banksy

Create a double page showing your understanding of Banksy. Complete a copy of a piece of work by Banksy, images of their work, description, your opinion and how it will influence you.

TASK 6: A01 – Critical study on Keith Haring

Create a Single page showing your understanding of their work

TASK 7: A02 – Visual and Word mind map of different events that are happening or have happened that effect the world around us and symbols that reflect them

TASK 8: A02 – DESIGNS Create 2-3 designs influenced by an event and in the style of Haring and Banksy. Keep them simple as they will become a screen print.

TASK 9: A02 – Choose ONE Of your design to become your FINAL DESIGN and add LIMITED COLOUR to the design.

TASK 10: A04 – Create your FINAL PIECE – this will be creating your final design as a SCREEN PRINT and understanding stencils and registration

TASK 11: DOOYA : Evaluate your Final Outcome

REMEMBER all work that you produce is building up towards your final piece.
Therefore, you must complete all work and the independent study that is set.



KNOWLEDGE: Keywords

for Year 9

Make sure you LEARN and UNDERSTAND this vocabulary and try and use it when describing and talking about artwork

VISUAL ELEMENT - The Visual Elements of art are the building blocks used by artists to create a work of art.

MODERN ART – an art movement that emerged in the late 19th and early 20th centuries. It was characterized by a shift away from traditional styles to a more abstract, experimental approach to creating works of art.

POLITICAL ART – art works with overtly political subjects or messages made to express criticism of the existing state of affairs, whether it's local, national, or international topics.

FORM – Refers to an object that is 3 dimensional with height, width, and depth.

MEDIA – materials that we use to create art

COMPOSITION – where the objects are positioned in your layout (artwork)

GRID METHOD – Using a Grid to help draw you from an image accurately

PROPORTION – The size of an object/form that you are drawing/creating in your artwork

GRAFFITI – Writing or drawing on walls or other surfaces without permission

SCREEN PRINTING - the process of transferring a stencilled design onto a flat surface using a mesh screen, ink and a squeegee.

Music For Moving Image Key Terms

Sforzando – A sudden increase in volume
Cluster Chord – A chord made of pitches close together
Diatonic – Only using pitches from the key
Dissonance – Music that uses clashing sounds
Chromatic – Using notes from outside the key
Conjunct Melody – Melody that uses steps
Disjunct Melody – Melody that uses leaps
Pedal notes – Repeating bass notes
Leitmotif – A short melody linked to a character/theme/place
Ostinato – A short repeating pattern
Crescendo – A gradual increase in volume
Diminuendo – A gradual decrease in volume
Mickey Mousing – Synchronising action on screen with music and sounds

Tonality – If the music is Major, minor or Atonal

Texture – the layers of sound

Tempo – the speed of the music set by the pulse

Dynamics – the volume of the music

Y9 Music

Music For Moving Image

Name	Symbol	Rest Symbol	Rest Value of each
Semibreve	○		4
Minim	—	—	2
Crotchet	—	—	1
Quaver	—	—	½
Semiquaver	—	—	¼

C	D	E	F	G	A
C#	D#	E#	F#	G#	A#
B	C	D	E	F	G
B#	C#	D#	E#	F#	G#
A	B	C	D	E	F

Sharp raises the note by one semitone.
 Flat lowers the note by one semitone.
 Natural restores a note to its original pitch

WOODWIND



PERCUSSION



BRASS



STRINGS



Film Genres:

Action
 Adventure
 Animation
 Comedy
 Drama
 Fantasy

Horror
 Musical Period
 Romance
 Science Fiction
 Thriller
 Western

 Treble Clef Notes	 Bass Clef Notes
 Notes on the lines	 Notes in the spaces