

Independent Study Booklet Year 7 Terms 3 & 4

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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 studytasks 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

1

Your teachers will:

- Set independent study tasks on Class Charts for you to complete
- Check that youknow 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	Read a wide variety of texts 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 perfortnight-you should focus on learning the key words in the Geography knowledge organiser	Complete the following courses on Seneca bttcs:LLse□ecaleat□iog.com/eo-GB 1. Geography skills 2. Geography of the world 3. Glaciers 4. Rivers 5. Analysis of Russia	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 usingyour 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	Usethe revision PowerPoints on Classcharts to make mindmaps and flashcards. Learn the keywords and events on the knowledge orgnanisers
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 Linguascope. www.linguascope.com Username: mwa Login: happyhippo88	Revise the vocabulary from the knowledge organiser using mind maps and flashcards
OT/Food	You should be measuring and weighing your ingredients in preparation for your next food practicallesson	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 shadingthen move onto simple still life arrangements	Continue practicing your drawing - it willstrengthen 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 Bitesize 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 willbe expected to learn line and rehearse performances Dance-you willbeexpected 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 I<S3 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 ontheir 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 willsetthem 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.



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

- Compulsory is the homework that must becompleted. 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 Wood Academy

Key V	Vords 1
Protagonist: central character, usually a hero	Antagonist: central character, usually the enemy of the protagonist
Apprentice: a person who is learning a trade from a skilled employer:	Benefactor: a person who gives money or other help to a person or cause.
Deceptive: giving an appearance or impression different from the true one; misleading.	Malicious: characterized by malice; intending or intended to do harm.
Tyrannical: exercising power in a cruel way.	Malevolent: having or showing a wish to do evil to others.
Sinister: giving the impression that something harmful or evil is happening or will happen.	Impoverished:(of a person or area) made poor. "
Maturity: a sign/behaviour which shows growing up; seriousness	Justice: fair behaviour or treatment

Techniques

Metaphor: A comparison between two things where one thing is identified as something else E.g. The moon is a ghostly galleon'

Personification: Where an inanimate object is described as having human characteristics E.g. The trees danced in the breeze

Symbolism: Where an image represents an idea E.g. the dawn of a new day represents hope

Imperative verbs: Words which are used to issue commands

Reading Terms

Inference:

An inference that comes from identifying clues in a text

Deduction:An understanding based on clues in a text

Connotation:

An idea or meaning suggested by a word. Sometimes there may be several connotations to a word

Prediction:

Clues in the text **suggla**-possible ending or ne

	The plot
I-6	Christmas Eve, afternoon: Pip meets the convict (Abel Magwitch) who asks him to steal a file and wittles for him. Joe and Mrs Joe are introduced. Joe is lovely and Mrs Joe is shown to hit Pip for no reason. Guns signal escaped convicts; Pip steals food and equipment and suffers from "wild fancies" caused by his guilt. When Magwitch is caught fighting with Compeyson, he confesses Pip's crime.
7-13	Pip and Joe's limited education is compared. Miss Havishom requests Pip to visit. Mr Pumblechook takes Pip to meet Miss Havisham. He then meets Estella and falls in love. Estella bullies Pip and makes him cry. She highlights his poor breeding by calling him "a common labouring boy". Pip starts an apprenticeship with Joe which he resents. Estella is sent away to learn how to be a lady. Pip confesses to Biddy that he wants to become a gentleman.
14- 19	Pip is shown to look down on Joe and his lack of education. Joeis shown to be kind and thoughtful towards Pip. Mrs Joe is assaulted by Orllck which results in Joe fighting and Mrs Joe being disabled. She becomes a nicer person and Biddy moves in to care for her. Jaggers invites Pip to become a gentleman in London with "great expectations" from a secret benefactor.
20-26	Pip lives with Herbert Pocket, Miss Havisham's nephew and learns how to be a gentleman. He thinks Miss Havisham is his secret benefactor. He learns Miss Havisham's wedding story. Jaggers shows Pip, Molly his housekeeper as a bullied, low woman he saved. Pip doesn't realised Molly is Estella's mother.
27-33	Biddy writes to Pip asking if Joe can visit him in London. Pip is condescending to Joe and looks down on himin front of Henry. Pip starts to think that Pumblechook is his patron. He visits Miss Havisham and declares his love for Estella. He waits for Estella in London where she is visiting.
34-39	Pip and Herbert accumulate large debts. Mrs Joe dies. Pip comes of age (November) and becomes responsible for his finances. Pip escorts Estella to Miss Havisham where he learns of her engagement to Bentley Drummond. He quarrels with Miss Havishom and Estella then leaves broken hearted. Pip is now 23. Mogwitch returns and reveals he is Pip's benefactor.
40-44	Mogwitch stays with Pip under the name Provis to disguise his identity. Jaggers confirms that Magwitch is the benefactor. Herbert advises Pip to get Magwitch out of the country. They learn about Magwitch's life. Pip declares his love for Estella again but she is set to marry Drummond.
45-50	Pip feels he is being watched. Pip dines with Jaggers and learns that Estelle is married. Wemmick explains that Molly is Estella's mother and that Magwitch is her father. Pip reminded Magwitch of Estella which his why he decided to help him. Miss Havisham confesses all and is killed in a fire at her house.
51-59	Joggers explains Estella's adoption and advises Pip to keep it a secret. Magwitch's escape is thwarted. Compeyson is drowned and Pip is reconciled to his benefactor. Pip's wealth is forfeited to the crown. Magwitch is convicted and sentenced to death. Pip tells him of Estella. Pip becomes ill and is arrested for debt but rescued by Joe. Joe marries Biddy. Eleven years later Pip returns to Miss Havisham's house and finds Estella.

The characters

Pip Pirrin

The Bildungsroman's protagonist, an orphan who serves as an apprentice to a gentle blacksmith, Joe, When he unexpectedly comes into a fortune. Pip grows haughty and extravagant in pursuit of a lifestyle genteel enough to meet the refined standards of Estelle. Confusing personal integrity with public reputation. Pip is cruelly disloval to Joe and Biddy. avoiding them because of their lower class. Still. Pip learns to judge people on their internal rather than superficial standards and redeems himself by repenting sincerely and reforming his personal values

Magwitch



The escaped convict that Pip meets in the churchvard as a vound boy Inspired by Pip's kindness as a vound boy. Magwitch devotes his life savings to Pip. Cruelly swindled by Compeyson, he has lived in and out of prison. His criminal record. is largely due to unfortunate circumstance s not character He is kind, good-hearted and denerous.

Mr **Jaggers**

A famous lawver in London, Mr Jaggersis Pop's quardian and middle man between him and is patron. Mr Jaggers also works for Miss Havisham He is rational sharp-minded and intimidating. He prides himself on neither expressing nor responding to human emotion.

Miss Havisham

The characters 2

The wealthy daughter of o brewer. Miss Havisham was abandoned on her wedding day by her fiance (Compeyson) and. traumatized. She preserves herself and her house in wedding regalia, shutting out the world for over twenty years. To exact her revenge on men. Miss Havisham adopts and raises Estella to be beautiful and desirable but completely heartless. Miss Havisham is capricious, manipulative, bitter and until the novel's end unable to recognise anyone's pain but her own.

Estella

The

adopted daugher of Miss Havisham, Estella is proud, refined. beautiful, and cold. raised by Miss Havisham to "wreak revenge of the male sex". Miss Havisham has raised her to lack a true human heart and he is unable to love.

Biddy

An orphan Pip meets at the village school. Biddy moves into the forge to look after Mrs Joe after the attack. Later she becomes a school teacher. She is humble, kind, moral and fiercely intelligent, absorbing knowledge without any formal education. She is also sharply perceptive and sees through everyone's pretensions, calling Pip out on his delusions and snobbery long before Pip con recognise them.

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Joe is the father figure for Pip. Married to Pip's harsh sister. Joe has no formal education but possess a deep sense of integrity and an unfailing moral compass. Joe is loyal, generous and kind. He acts lovingly to Pip, even when he is ungrateful.

Mrs Joe

Mrs Joe is fierv. tvrannical and false. Obsessed with social status and reputation. Attacked by Orlick for being vile, her temperament changes and she becomes patient and docile.

Key \	Key Words 2		
Atmosphere: the mood or tone of a place	Lustre: a gentle sheen or soft glow		
Penned: to be caged in a place	Penitent: feeling or showing sorrow and regret for having done wrong; repentant.		
Bildungsroman: a novel which deals with the issue of growing up	Audacious: showing a willingness to take surprisingly bold risks.		
Naive: showing a lack of experience, wisdom, or judgement.	Opulence: great wealth and luxury		
Dilapidated: a building in a state of disrepair	Disparaging: expressing the opinion that something is of little worth		
Haughty: behaving in an arrogant or superior way to others	Insolent: rude or lack of respect		

Context

- Charles Dickens was born on February 7, 1812, and spent the first nine years of his life living in the coastal regions of Kent, a county in southeast England.
- Dickens's father, John, was a kind and likable man, but he was incompetent with money and piled up tremendous debts throughout his life.
- When Dickens was nine, his family moved to London.
- When he was twelve, his father was arrested and taken to debtors' prison.
- Dickens's mother moved his seven brothers and sisters into prison with their father, but she arranged for the young Charles to live alone outside the prison and work with other children pasting labels on bottles in a blacking warehouse (blacking was a type of manufactured soot used to make a black pigment for products such as matches or fertilizer).
- Dickens found the three months he spent apart from his family highly traumatic.
- After his father was released from prison, Dickens returned to school. He eventually became a law clerk, a court reporter, and finally a novelist.
- His first novel, *The Pickwick Papers*, became a success when Dickens was only twenty-five. He was considered a literary celebrity until his death.
- *Great Expectations* is set in early Victorian England, a time when great social changes were sweeping the nation.
- The Industrial Revolution of the late eighteenth and early nineteenth centuries had changed society.
- The divisions between rich and poor remained nearly as wide as ever.
- London, lit by gas lamps at night and darkened by black clouds from smokestacks during the day, formed a sharp contrast with the nation's sparsely populated rural areas.
- More and more people moved from the country to the city in search of jobs.
- Throughout England, the manners of the upper class were very strict and conservative: gentlemen and ladies were expected to have thorough classical educations and to behave appropriately in social situations.

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The	mes
Ambition and self-improvement	Social Class
The theme of <i>Great Expectations</i> is quite simple: affection, loyalty, and conscience are more important than social advancement, wealth, and class.	Dickens explores the class system of Victorian England, ranging from the most wretched criminals (Magwitch) to the poor peasants of the marsh country (Joe and Biddy) to the middle class (Pumblechook) to the very rich (Miss Havisham).
Crime, guilt and innocence	Education
The theme of crime, guilt, and innocence is explored throughout the novel largely through the characters of the convicts and the criminal lawyer Jaggers.	Education allows for personal growth in the novel. Joe and Biddy show how education can be a good thing. Pip receives an education that allows him to advance into a new social position, but Pip's education improves his mind without supporting the growth of his character.
Family	

Family

Although Pip and Estella both grow up as orphans, family is an important theme in the novel. Pip grows up with love and support from Joe, but fails to see the value of the unconditional love Joes gives him. He eventually makes up with Joe after understanding his errors. Estella is exposed to damaging values from her adopted mother, Miss Havisham, and gradually learns from experience what it means to care about someone.

	Key Quotations
Magwitch	"Hold your noise!" called a terrible voice, as a man started up from among the graves at the side of the church porch. "Keep still, you little devil, or I'll cut your throat!" A fearful man, all in coarse grey, with a great iron on his leg. A man with no hat, and with broken shoes, and with an old rag tied around his head.
Estella	Though she called me "boy" so often, and with a carelessness that was far from complimentary, she was about my own age. She seemed much older than I, of course, being a girl, and beautiful and self-possessed; and she was as scornful of me as if she had been one-and-twenty, and a queen.
Miss Havisham	"Look at me," said Miss Havisham. "You are not afraid of a woman who has never seen the sun since you were born?"
Joe Gargery	"It ain't that I am proud, but that I want to be right, as you shall never see me no more in these clothes. I'm wrong in these clothes. I'm wrong out of the forge, the kitchen, or off th'meshes. You won't find half so much fault in me of you think of me in my forge dress, with my hammer in my hand, or even my pipe."
Pip	I took the opportunity of being alone in the courtyard, to look at my coarse hands and my common boots They had never troubled me before, but they troubled me now, as vulgar appendages.

1. What is energy?

Energyisaquantitythat isstored in objects and systems. It makes thinghappen.

For example, the energy stored in a car makes it mo.,e.



Energy is measured in joulesij).

Conservation of Energy
 Whenenergyistransferredfromonestoreto anotherthe total amount of energy does net diarge.

Energy eannotbecreatedor destroyed. Allthat GJ1be c:han02(1ishowit isstored Thisideasiscalled the law of amsenetia, of energ,,...

·(1)·

6. Heating



energy is always transferred from the hotter object to tha cooler one

Energy can be transferred thermally in three ways:

conduction (between solids), Convection (between liquids and gases), radiation (where there are "no particles).



2. Energy Stores

Energy store	Example
Chemical	2

Kinetic

Gravitational potential

Elastic

Thermal



KS3 Science **Energy Transfers**

7. Canductor and Insulators

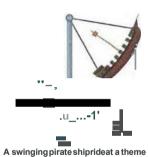
A substance that transfers energy easily from the hot end to the cold end it is called a conductor.

Examples- Metals, water, diamonds.

A substance that does not transfer energy easily from the hot partto the cold part is called an **insulator**.

3. Energy Transfers

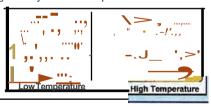
Energy can be transferred between differentstores.



5. Temperature

The **temperature** of an object is to do with howhot or cold it is, measured in degrees Celsius (°C).

The temperature is due to the movement of the particles in the object. When an object is heated, its particles move more vigorously and its temperature increases.



Examples- Plastics, air, wool.

8. Power

The amount of energy transferred is called 'work done' and is measured in joules (j)

Power is the amount of work done divided by the time it took to transfer all the energy. It is measured in **watts** (w).

To calculate the **power** we use the equation:

Where:

po111er= <u>work done</u> time <u>taken</u>

P=E

power {P) in watts (W) work done (E) in joules (J) time (t) in seconds (s) 1. What are pathogens?

A pathogen is a micro-organism that causes diseases.

Examples of pathogens: bacteria, fungi or viruses

Notall microbes cause diseases, some can be useful, for example. Yeast is used to make bread

4. Virus particle
Example: Coronavirus

Protein
coat

Membrane
envelope

6. How are pathogens spread?





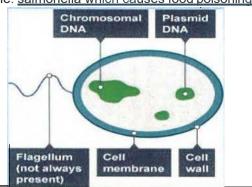




2. Bacterial cell:

and alcohol

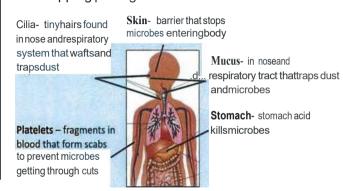
Example: salmonella which causes food poisoning



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KS3 Science
Microbes and Disease

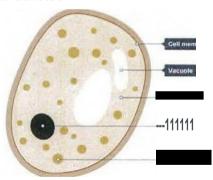
7. Stopping pathogens:



3. Fungal cell:

Example: athletes

foot.

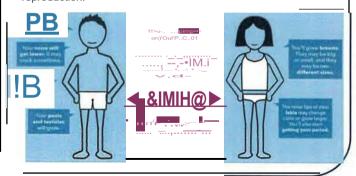


5. Pathogen facts:

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Unicellular organisms	Can be uni- or multi- cellular	Smaller and more simple than cells
Smaller and more simple than animal and plant cells	More similar to our cells than bacteria, larger	A protein coat surrounding some genetic material
Have not nucleus	Unicellular example s include yeast	Require a host cell to reproduce
Often have a flagellum for moving	Multicellular examples include mushrooms	

1. Puberty and Adolescence

As a child develops into an adult, their body prepares for reproduction



4. Gametes

Gametes are sex cells. Spermcells are the male gamete and egg cells(ova) are the female gamete.



ROLE: join with the egg cell for fertilisation.

SPEOALISATION: tail to swimto egg.

ROLE:join withthesperm cell for fertilisation

SPEOALISATION: Lots of nutrients and very large

6. Menstrual Cycle

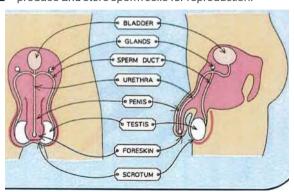
Themenstrual cycle prepares the female body for pregnaicy by causing em; (o;a) to mature and be released. It lasts for 28 days.



Onaboutday14, themature eggcellisreea; edfrom theo; ary. This is calledo; ulation. If the eggcell does not meet with a sperm celli 1 the o; iduct, the Ining of the uterus bajns to break do 1M1, the female experiences aperiod, and theo, derepeats.

2. Male Reproductive System

ROLE - produce and store sperm cells for reproduction.





KS3 Science Human Reproduction

7. Gestation and Pregnancy

A fertilised egg cell divides to form a ball of cells called an **embryo**. The embryo attaches to the lining of the uterus where it gets nutrients and oxygen. It begins to develop into a **foetus** and finally into a baby.

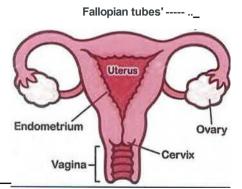
The foetus will grow an umbilical cord and a placenta. The placenta is responsible for removing waste substances, as well as providing oxygen and nutrients. The umbilical cord connects the foetus to the placenta.



Thefoetus is protected from bumps and knocks by the amniotic fluid sac.

3. Female Reproductive System

ROLE- produce and release eggs cells for reproduction.



5. Fertilisation

Fertilisation is when a sperm cell and anovum fuse. ermcellsare released into the female reprodoctive system during sexwl intercourse (ejaculation). Only one sperm cell Ire.i<s through the cell membrane and enters the ovum, and only the headenters



ThenudeifuS:! together, putting the mother and father's genetic information together. The fertilised ovum is now an embryo.

8. Birth

In humans, gestation lasts40weeks. Thisis the amount of time it takesfor a foetus to develop into a baby. When the baby is ready to be born, the cervix relaxes and the muscles in thewall of the uteruscontract. Muscle contractions increase in intensity and frequency, eventually pushing the baby out off he vagina.

Unfortunately, a baby can enter the world unhealthy. Thiscan be due to inheriting diseases from one of the parents or due to lifestylechoices made by the mother:

Smokingleads to less oxygen diffusing from mother to foetus via the placenta. Foetal Alcohol Syndrome (FAS)is when the mother drinks excessive alcohol whilst pregnant This damages the baby's neNous ., system and brain.

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1. Safety

Irritant

Corrosive

- When handling acids and alkalis in the lab we need to take safety precautions, for example wearing
- Concentrated Acid is corrosive, and will destroy
 skin cells
- Dilute acids have lots of water added, they are an irritant and cause redness or blistering of the skin.

2. Acids (pH 1-6)



- Acids are a family of chemicals, examples are lemon juice, vinegar and Coca Cola. There is also acid in our stomach.
- Acids contain Hydrogeh (H+) ions.
- Strong acids like hydrochloric acid are very corrosive this means they destroy skin cells and cause burns.
- Weak acids like vinegar are safe to eat but are still irritant to sensitive parts of the body.

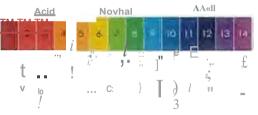
3. Alkalis (pH 8-14)



- Alkalis, are a family of chemicals that have a soapy feel, they are also corrosive, examples of these are toothpaste, soap and oven cleaner.
- Alkalis contain Hydroxide (OH-) ions.
- Alkalis are bases that dissolve in water. Therefore not all bases are alkalis.

4. pH Scale

- The pH scale measures the strength of acids and alkalis, it runs from 0-14
- neutral solutions are pH 7 exactly
- · acidic solutions have pH values lessthan 7
- alkaline solutions have p.Hvalues more than 7
 the closer to pH O you go, the more strongly acidic a solution is
 the closer to pH 14 you go, the more strongly alkaline a solution is





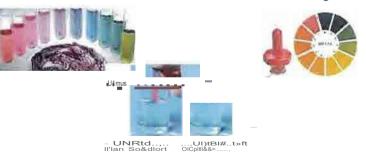
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1(53 Science Acids & Alkalis



5. pH Indicators

- Indicators are chemicals that show whether a substance is an acid or an alkali
- There are many different indicators, for example litmus paper and universal indicator
- · There are also natural indicators such as red cabbage



6. Neutralisation

- A chemical reaction happens if you **mix**.together an acid and a base. The reaction is called **neutralisation**. A neutral solution is made if you add just the right amount of acid and base together.
- Neutralisationreactionsformsalts the name of the saltdependsonthename of theacid, and themetal in the base
- Hydrochloric acidma)<es"chlorides",Nitric acid make"nitrates",Sulphuric acid makes"sulphates"

General equations for neutralisation reactions:

Acid+MetalHydroxide Salt+W er

Acid+Mefalbxide Salt+Water

Acid+Meta!Carbonate Salt+Water+Carbondioxide

Farmer uselime (calcium oxide) to neutralise acid soils.

Your stomach contains hydrochloric acid, too much of this causes indigestion. Antacid tablets contain bases to neutralise the extra acid.

Wasp stings are alkaline, they can be neutralised using vinegar,

Geography: Year 7 - Unit 2

W v is the Lake District a unique environment in the UK?

vv y_	is the Lake Dis	puict a uii	id ne ellalic	ווווופווון	iii tile ok :
Word	<u>Meaning</u>	Word	MMnin.g	Woril	<u>Meaning</u>
National Park,	an area of outstanding natural beautythat is protected from development.	Tourism	when people spend time away from horre for leisure or recreation.	Inte"rglacial perloo	A tirreIn theearths history where there was less ice covering the earths sulface. Terrperatures v.ere warmer, like today.
Honeypot Site	an overcromed location or attraction	Agriculture	farning- crops (arable) granimals	Ice sheet	A largearea of ioe, sometimes covering a whole Greenland
Rell f	the height and shape of the land.	Erosion	the wearing away of land.	Moraine	Rock flourmoved and deposited from the valley sides and transported
A feⅡ	A fellis a high andbarren landscape feature, such as a mountainor moor-oovered hill.	Opportunities	a chance for some good.	Erralics	Large boulders transported in and on the glaciers that are depostted and visible when theglacier melts (retreats)
Glacier	a slowy moving mass or river of ice.	Challenges	a problem that maybe overcome	Deposition	Materialis dumped andbuUt upover time
Ice age	a glacial period when the earth haslower than average temperatures.	Si5clal	factors to do wtth people.		
Corrie	an armchair shaped hollowin the mountainside formed by glacial erosion.	Economic	factorsto do wtth money/jobs.		
Tam	a small mountain lake in a oorrie.	Environmental	factors to do wtththe natural landscape.		
U-Sti;lped valley	a valley formed bya glacier.	AONB	Po.ea of outstanding natural beauty		
Freeze-thaw weathering	when rocksare broken down and weakened when water getsinto cracks then freezes and expands, which breaks rocks apartover time.	Glacial Landscape	A landscape changed byice		
Pluckin9	Meltedwaterat the base and sides of theglacier freeze onto the surrounding rock. As the glacier moves, the rockis 'plucked' away.	Glacial perfod	Atimein the earths history v.oere there was more Ice oovering the earths surface. Terrperatures were oolder		

WHAT will PROGRESS look like in this unit?

Deepening - independent and accurate

IMeet the criteria for on track with accuracy and independence

In addition, students may demonstrate:

D

- The ability to use 6 figure grid references and apply their skills to unfamiliar locations.
- Offer logical explanations for the interdependence of physical and human features

On track- relative accuracy with occasional support

- ID. Accurately locate the Lake District on a map of the UK.
 - Describe the location using 8 points of the compass and in relation to the main transport links settlements and coastline
 - Give an accurate definition of a National Parl<.
- Give 2 valid reasons why National Parks are important
 - Give an accurate definition of a honeypot site.
- Name an example of a honeypot site in the Lake District. \Box
 - Give 2 valid reasons why honeypot sites are important
 - Recognise correctly human and physical features of the Lake dfstrict from photos and OS maps.
 - Accurately use 4 fig grid references and symbols from the key to locate human and physical features of the Lake District.
- Describe 2 human and 2 physical features of the Lake District.
- Give an accurate definition of the term relief
- Accurately describe relief using satellite images.
- Accurately use contours, spot heights and trig points to describe the shape and height of the land.
- Accurately identify glacial features from photos and OS maps.
- Explain the processes of erosion, plucking and freeze thaw,
- Explain the formation of 2 main glacial features in a logical and accurate order (Corries, U-shaped valleys).
- Name the main land uses of the Lake District today
- Can discuss both opportunities and challenges of tourism in the Lake District.

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.

Yr7 I KS3 Knowledge Organiser



Art Vis	ual elements	27.9
Colour	What you see when light reflects off something. Red Yellow andBlue are rima colours.	
Line	A mark whichcanbe long, short, wiggly, straight etc.	1133333
Tone	How light or dark something is.	
Texture	How something looks or feels - e.g. rough or	THE COUNTY OF THE PARTY OF THE
Pattern	smooth. A symbol or shape that is repeated.	
Shape	A 2D area whichis enclosedby aline -e.g. triangle.	
Form	Something whichhas 3 dimensions -e.g. a cube, sphere or sculpture	

Themes: Year 7			
Natural Form A natural formis an object found innature that has not been changed or altered.			
Ethnoloav	Thestudy of different Cultures and Relationships.		

Equipment and Tecttniques: Year 7				
PaintinQ	Mixing brush, Thinbrush, Newspaper, Paint pallet, Water.	Modulation, Consistency.		
Lino	Lino. Bench hook, Lino cutter. Biro. Roller. Ink. Ink Tray.	Registration,Contrast.		
PencilCravon	Pencil crayons.	Layer, Blend, Pressure.		

Artists: Year 7		
Angie Lewin		
HamsaHand ⁻		

Assessment Objectives		
О	Exceptional:Sophisticated, Perceotive,Masterful, Imaalnative.	
0+	Confident: Refined, Assured, In- Deoth, Thorouah.	
0	Competent:Sustained, Informed, Thouahtful, Detailed.	
У	Basic:Attempted, Some, Incomplete	
Α	Limited: Partial, Inconsistent.	

Art Technique Key Words		
Media/Medium	The materials and tools usedby an artist to create a piece of art.	
Techniaue	The way an artist uses tools andmaterials to create a piece of art.	
Composition	Where youplace objects on thepage.	
Hiahliaht	The bright orreflectiveareaon an object or piece of art.	
Shadow/Shade	The darker areas withinapiece of art orobject.	
Proportion	The size relationship between different parts - e.g.height compared to width.	

Colour Vocab

Primary colours are the 3maincolours. They cannot bemade but are used make all ot urs.

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 colourwheel.

Tint- when ou addwhite to acolour to make it li hter.

Shade -when ou addblack to a colour tomake it dal1<er.

Still life •a stilllifeisa group of inanimate objects, suchasbottles orplants.



Rule of thirds: You divide up your paper horizontally and vertically into 9 equal sections, andby placing the focus of your mage where the lines intersect, you create abalanced composition.

The Rule of odds: Suggests that an odd number of subjects in animage is more interestingtolook at than an even number, and our e eis more like! to move around theima e.

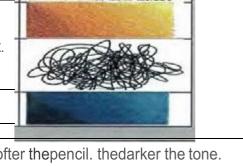
Mark making - To make your drawing look more realistic, you should try to use differentments to show textures and surfaces. You can do this by chanaina the direction, or essure or lenath of your marks.

Coloured pencil technique Hatching Lines which are shaded In onedirection. Cross Hatching Lines which cross in twodirections. Stippling Dots which areclose together or far apart.

Overlay Layering multiple colours with even shade.

Scribbling Random marks - close together or farapart.

Burnishing Blending colours using a white pencil.

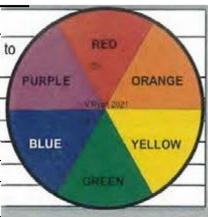


Grades of Pencil -Pencils come indifferent grades, the softer thepencil. thedarker the tone.

H=HardB=Black.lnart themostuseful pencils for shading are 2B and 4B. If your pencil has no grade, it is most likely HB (hard black) in themiddle of thescale.

Making objects look 3D - To p<event your drawings fromlooking flat, you should use arange of tones andmarks. Pressing harder and lighter and layering with your pencil creates different tones. Use the direction of your pencil tohelp enhance the 2D surlace, and you can also includes hadows which will also help objects appear 30.

Websites		I:.J
www.pinterest.co.uk	www.tate.org.uk/kids	www.bbc.eo.uk/bitesize/subjects/z6hs34i



Year7

Theme: Natural Form Visual element: Line Technique: Lino printing

Artist: Angie Lewin



In this project you will be exploring natural form . You will learn about the visual elements and how to recognise them within artworks. In this project you will focus on the visual element of line, and the importance of line within art.

You will research the work of Angie Lewin- a print maker artist who willinspire this project. Along the way you will learn the processes of lino printing, chine colle develop your drawing skills and produce an outcome that demonstrates your learning throughout this project.





TASK I: A0-4htroduction of subject and project. Baseline assessment.

Independent study-book cover.

TASK 2: A02 - project introduction-create a visual mind map of natural forms and understand the visual elements.

TASK 3: A02 - Visual element-line applying it to a drawing.

TASK 4: A01 • Tonal drawing/title page of natural forms

TASK 5: A02-Introduce the work of artist Angie Lewin and annotate their work.

TASK6: A01 · Critical study

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

TASK 7: A02 -tines and shapes recreate a natural form replicating the style of Angie Lewin

TASK 8: A03 - designs- create 2 designs inspired by natural forms for your final lino print outcome.

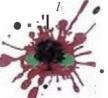
TASK 9: SPOTI.IGHT ASSESSMENT-Tonal drawing of natural form (2 lessons in exam conditions)

TASK 10: SOTLIGHT **ASSESSMENT-** lesson 2 to complete high quality tonal drawing

TASK 11: A04• Start to create final outcome learn about the lino printing and chine colle process.(remaining lessons)

TASK12: A04·DOOYA·EVALUATE your final outcome.

TASK 8: A04 • EVALUATE your finaloutcome.



KNOWLEDGE: Keywords

MEDIA- materials used to create art.

<u>LINO PRINTING -</u> A technique involving carvinginto a surface to create a print.

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

I.lli!-isthemost important of all the visual elements. It refers broadly to a mark which spans between two points.

CONTOURLINE - Cross contour line helps to show the outline and shape of an object.

STILL LIFE - is defined as a collection of inanimate objects arranged together in a special way.

NATURAL FORM -A natural form is anobject found in nature that has not beenchanged or altered.

PRIMARY RESOURCE - Primary Resource is first-hand; the object is in front of you.

SECONDARYRESOURCE- Secondary resource Is an Image or picture of the object.

REMEMBER all work that you produce is buildingup towards your final piece. Therefore, you must complete all work and the independent studythatIsset.

Skill: Wh	at are you g_ett_ing_better.if.t?	Story: What you need to kn	ow about the	Islamic World
Significance Kovwords		The third Ca_liphate was the Abbaskl Cal.fphate (750re i2s). These rill Adjantage of the atovering the	Key Terms:	
Significant	Great or important enough to be worthy of attention	The apital of the Islamic empire was Baghda; d,	Abbasid	A member of the Abbas family, the ruling Caliphs of Baghdad
Remarkable Remember-ed	Having or being cif great value Worthy of attention at the time or since It was Important-at some point in	a nd the mplre b e(,!alTJe known ps the 'Gold m ,\ge:. Baghdad pecame the centre of.learning, sclen,ce, aft; an d culture.	Anatomy	The scientific study of an animal or plant, or any of its parts
Resulted In	history within a collective memory or group Has consequences for the future	Tt.1e equival.entt0 a Kiog was the Caliph. Islamic rul wawsell ed caJe,€1. Tl\e famous library, the	Arab	Name given to a people group originating
change	has consequences for the luttile.	Howse of Viiisdo,m, was '.home to hundreds of	Arab	from the Middle East or North Africa
Resonant	Possible to connect with e_xperiem;es or situations across time oeriods Tells us about some aspect of the	writings frl:lm afouAd the world.	Caliph	Spiritual leader of Islam, any of the form Muslim rulers of Baghdad
revealing	oast oast	Key }\$IqmLc doctors.ir;iduc;!ed Iti.In, Sina and Al-Razi. Ibn Sina was regardEid as on e of the most significant th'inkers of the Golden Age ai:id some call tfim the father of early modern medici_ne. He	Caliphate	An Islamic state led by a Caliph
Similarities and Similarity Difference	Differences Keywords Being similar/like,a.nd sharing experiences Being different/contrasting and have	wrote over4SO books indt.Jding <i>TfiE!</i> ·.Canon-of Medicine which became a standard rn dical text used in universities around the world Al-Razi stressee? Ine importance of observing patients ari9		Also known as the Grand Library of Baghdad, home to academic words gathered from across the known world
Same	dp osite exoerlen1aes fdenticar, n.ot diff rent	believed rn the importance of a health';'	Superstition	Any belief or practice based upon one's trust in luck or other irrational, unscientific, or supernatural forces
Alternative	A different option or choice	CIVI.IOIT MOTE.		unscientific, or superflatural forces
Dramatfc	Sudden otrriking	In the Islai'nic Worla, 'hospitals were ruh by tra'ined do	octor-:s arrd	used natural and ratio,:ial cures. The
Evolve	A slow 9radl.i'al change	Islamic World accepted diffed nt r.el{gions, but hey wou		
Diversity	A rang_!!of difference	the IslamicWorld were mc1de of st0n_e, t0wns,,were,G!	ea.n a_s there	e w'as ac;:cess to clean y.,ater.
- The Abbasid ly took control the Muslim bire i.n the east		aper arrives in d from China 830 - The House Wisdom was established	ı	1258 - Baghdad was destroyed by the Mongols
	Baghdad was established e capital city of the Abbasid	800 - Baghdad is the	I	Baghdad has its
	Caliphate	<u> </u>		

С	Skill: Wh	nat are you <u>getting</u> better at?	Story: What you need to know fo		
; :;	Cause Keyword	ds	Just Hke M dje_vaf En@l mcd, Tudor England was organised in		Γhe King or Queen wa? at the
;alla ⇒r! C; º¿co	Cause Reyword Cause Multi-causal Trends Triggers Long Term cause Short Term cause	Reason somei:hing_happens Many .reasons Patterns throughoCJt history (iono term) An event which makes sorneth fing happen now Contributing factors happening over a long period of time before an event Contributing factors immediately (les's than 1 year) before an event	t0p, then the nobility, the g ntry, the Yeomqn farmers aAd craftsmen, then sM.QP,keep rs, then va.gr-ants aAd begg.ars. At'thi? time, here were 2 ma irt forms of Ct'lristianity*: Protestantism and Catholicism. Pi-otestantisn:r had the morl rcb as the heaa 0ff.l'i'e Chur.ch, had clii,urch-seNices and the Bible in EAglisf:t and their churches ere simple and plain. Catho ticisn:, had. the Pqp-e as the tl ad'of the church, had church services acid th:e Bible in Latin and tfieir chufrhes wer spectacular an decor-ated.	Kev Terms: Break with Rome Dissolution of the Monasteries Heretic Roman Catholic	Henry VIII cilecided to break away from the Catholic Church and become Head of the Church of England Catholic monasteries were dosed A person who has beliefs that are different to the accepted reliaion The Christian Church of which the Pope, or bishop of. Rome, is the supreme head Someone who follows the principle
9 !!!! en a C	Change Keywo	1	Many pe0 ple; Including Martin Luther, t>ecarn Cli_itical of t,he Catholic Cl'!urch, (0r ex.ample for being corrupt, gr,eedy ?Jhd u sin g Latin for church servic: i and the Bibi. Martin Luther	Protestant	of Christianity using beliefs developed from the Reformation The Reformation is the split in the Catholic Church and a new type of
-	Change	Becomes different	rrra de his 95 thesis and tiaile'd it'to thea oor of the university in Wittenberg, Germany. This starte d the Reformation.	Reformation	Christianity began called Protestantism. Also, when England and Henry VTT broke away from
	continuity Short term	Stays the same Change o ver a short p erio d of	Henry VIII established the English Reformation when he brbR.e away fr0m Rome. Henry wished to have a male heir		the Catholic Church and the Pope and established the Protestant Church
Ü	Long term	time immediately after an event Change over a long period of	ar.id wanted to divorce Catherin of Aragon to marl'.y Anne Boleyn in the !:lope of h aying a son. The P0pe would not allow Henry to get di'vorte a The church was also		
> >		time immediately after-an even.t	very wealthy and people were Becoming incr.easingly critical of Ghurch of ffn:gl ana, divorced 'Catherine and married Anne', consequence of the IY!oriasteries. After the English Reformation, Ebglar:1d was on a 'religious roma de himself Head 6ftlile n.ew@hwr.ch of En gland. Edward Eliza't>eth:f was Protestant but intrn.ducea the religious settle	md closed mona llercoaster';Her VI was 'Protestal	asteries, known as the nry VIII was ¢ath0lic but.
	Henry VIII mes King	1517 - Ma 95Thesis : Reform		1547 Edward becon King	d Vr Elizabeth I becomes
	1			1	I
	r	1509 - Henry VIH marries Catherine of Aragon	1527 - Henry wanted to divorce Catherine and marry Anne Boleyn Monaste	of the	1553 - Mary Tudor becomes Queen

YEAR 7 FOOD AP2 revision

Key Word/term	<u>Definition</u>
Gluten	Protein found in wheat flours, that make doughs elastic.
Bridge and claw cut	Two ways to use a knife to protect your hands when cutting, chopping or dicing.
Knead	knead to stretch the dough and develop the gluten and form an elastic dough.
Macro nutrients	Nutrients needed to provide energy and as the building blocks for growth and maintenance of the body. Energy is provided by carbohydrate, fat and protein.
Protein	Protein is needed for growth and repair.
Fat	Fat is needed for health, but in small amounts. Unsaturated fats are healthier fats that are usually from plant sources. Saturated fats, if eaten in too large a quantity can increases risk of health issues
Starch foods	These are the main source of carbohydrate for most people and are an important source of energy. We should be choosing wholegrain versions of starchy foods where possible.
Dietary fibre	A type of carbohydrate found in plant foods.
Seasonality	The times of year when a given type of food is at its peak, either in terms of harvest or its flavour.
Carbohydrate	Carbohydrate is the main source of energy for the body. Carbs are divided into sugars and starch sources.
Coagulation	The setting of protein molecules which thickens and sets ingredients. E.g. eggs.

Baking

Name of the Nutrient

Baking is a method of preparing food that uses dry heat, normany in an oven

Dough Making

Creating a dough mixture (pastry) which is shaped and baked within the oven.



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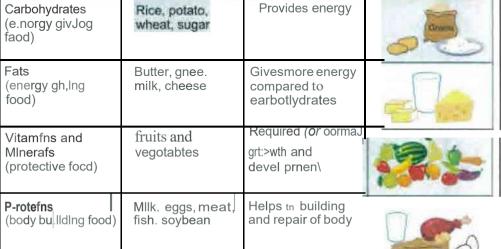
Prepare, Combine and **Shape**

Shaping dough/ sealing in different forms to create a range of sweet and savoury. For example, Roll /Crimp.

Sources



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Dietary Fibre

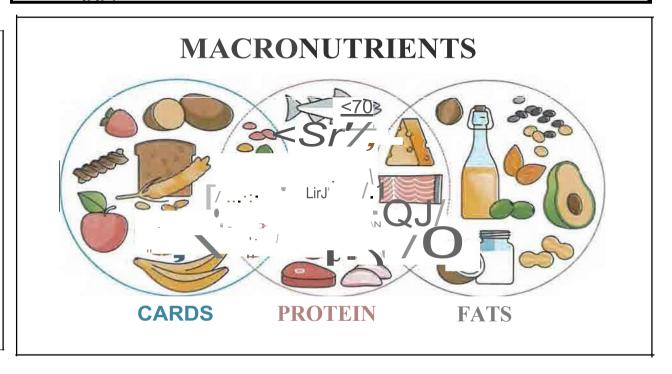
- Dietary fibre is a type of carbohy drate found in plant foods.
- Food examples 1nclude wholegrain cereals and c-ereal products; oats; beans; lentils; fruit: vegetables; nuts.; and, seeds.
- Dietary fibre helps to: reduce the risk of heart disease, diabetes and some cancers; help weight contro 1; bulk up stools; prevent constipation; improve gut heatth.
- The recommended average intake for dietary fibre is 30g per day for adults.

Making bread

Ingredients	Function
Strong plain flour	Has a high gluten content, gluten is a protein when mixed with water it,/ forms an elastic and stretchy dough. Gluten <i>sets</i> when cooked at high tern-peratures and forms the framework and shape of the bread.
Salt	Adds flavour, controls the action yeast, strengthens the gluten
Yeast	Raising agent, producing C02 gases which makes the bread rise. Correct conditions needed to grow-food, warmth, moisture and time.
Liquid	Binds ingredients together to help the development of gluten. The liquid should be warm.

Safety

- Sharp knives: never walk around with a knife. Use the *bridge hold* and *claw grip* to cut safely.
- Grater: hold grater firmly on a chopping board.
 Grate food in one direction and leave a small amount at the end to prevent injury to knuckles.
- Hot liquid: drain hot liquid carefully over the sink using a colander.
- Saucepans: tum panhandles in from the edge, so they are not knocked.
- Hot equipment: always use oven gloves when placing food in and out of the oven.
- Spills: wipe up immediately.
- Electrical equipment always follow instructions.



Great Composers Key Terms

Melody The main tune of a piece of music **Ostinato** A repeating pattern

Accompaniment The 'background' music that supports the Melody

Motif A short memorable melody

Phrase A section of a melody that sounds complete

Mefodic Shape Whether a melody rises or falls Composer Someone that writes music

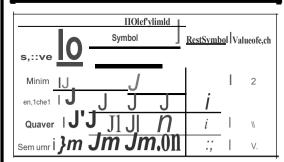
Score A piece of music written with notations **Notation** The system of lines and symbols for writing music

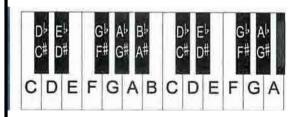
Expression Playing music with emotion

Timbre The different sounds that define a note

Time Signature how many beats are in each bar of music

Y7 Music What Makes A Great Composer?







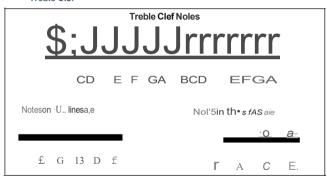


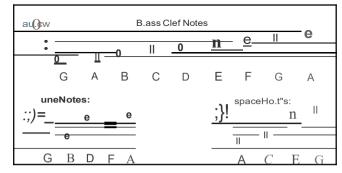
Dynamics - The strength of the music

ITALIAN	SIGN	ENGLISH
Piano	p	Soft
Forte	f	Loud
Mezzopiono	mp	Moderately Soft
Mezzoforte	mf	Moderately Loud
Pianissimo	pp	Very Soft
Fortissimo	ff	Very Loud

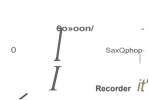
Pitch - How high or low the sound is

Treble Clef









WOODWIND



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