Knowledge Book Year 10

Cycle Two

Name:



THIS IS HOW YOU LEARN



REMEMBERING: MASTERING YOUR MEMORY

Learning is what happens when knowledge moves from your working memory to your long-term memory.

Your **working memory** is like a desktop on your computer. If the information is not saved, then it will be **forgotten.**

Your **long-term memory** is like a computer hard drive. **Remembering** is what happens when you access the information in your **long-term memory.**

You can take practical steps to improve your ability to **learn** and **remember** key information and become the master of your memory.

Our ability to learn and remember is enhanced when we engage in activities that test what we remember. 'The testing effect' is a proven way of enhancing our long-term memory which gives us clear feedback on gaps in our learning. Therefore, regular quizzing is a vital part of our curriculum.

REMEMBERING: MASTERING YOUR MEMORY

Cornell Notes

- 1. Divide your page into three sections like in this diagram.
- 2. In the note taking area, complete your work normally (if taking notes, try only to write down key information)
- **3.** In the bottom section, summarise all the information in the note taking area into 3 bullet points
- The Cue Column is where the magic happens - in this area, write a series of quiz questions about the notes you have written.
- 5. When revising, try to answer the quiz questions in the cue column before you read your notes. If you can do it, well done! You have remembered this. If not, you need to learn it again.
- 6. The Summary at the bottom of the page also strengthens the learning. It can be used as a prompt for you too try and remember the knowledge in the note taking area.





Link to Learning

Cornell Notes are a note taking system that was developed at Cornell University in America.

It is specifically designed to help you initially strengthen your **learning** but perhaps more importantly, build in opportunities to **remember** what you have **learned**.

You are expected to spend one hour on extended practice each evening, with additional time on Friday and over the weekend.

There are four subjects to study each day, with five on Fridays.

You should spend 20 minutes on each subject. The exceptions to this are Science and Spanish, which you should study for 10 minutes each time they appear on your practice timetable.

You will be assessed on the knowledge in your knowledge book for every subject throughout each cycle. You will complete weekly Sparx Quizzes at home.

Extended Practice Timetable

- This is your extended practice timetable. You will need to do your knowledge organiser tasks, including your Sparx quizzes, for each subject on the timetabled day.
- Your tutor will check this the following morning.
- If you have not completed the tasks for each subject, you will receive a one-hour after school detention to be carried out later that day.

	10 minutes	10 minutes	20 minutes	20 minutes	20 minutes	10 minutes	10 minutes
Monday	Science	Spanish	Option P	Maths - SPARX			
Tuesday	Science	Spanish	English Literature	Maths - SPARX			
Wednesday	Science	Spanish	History or Geography	Option Q			
Thursday	Science	Spanish	English Literature	Option P			
Friday	W	ΈB	English Literature	Maths - SPARX	History or Geography	Opti	on Q

Maths Sparx Reminder

Sparx practice is set 8am on a Wednesday morning and 100% of compulsory and Target is to be completed by 8am the following Wednesday morning. There is an expectation that you have completed 50% by Monday 8am and if you cannot meet that deadline, you will be invited to a support session at breaktime/after school on Monday. You are advised to start your tasks earlier than later. Support will be offered on a Friday and Monday at break in MA1 if you are struggling with any questions. Any student who has not completed 100% by 8am Wednesday morning will be expected to attend Sparx after school catch up in MA1.

Educake:

Extended practice will be set via the Educake platform and will consist of two retrieval quizzes to be completed each week. The first quiz will be based on content you have covered recently in your science lessons, whilst the second will be based on content covered last year. Extended Practice quizzes will be set on the Monday and must be completed by the Sunday. You are expected to achieve an 80% pass mark for each quiz. To improve your score, you can re-take quizzes, use the support information and ask your class teacher for help.



HOUSE WEEK, WEST EXE SCHOOL & BRITISH VALUES

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	West Exe School Values	British Values	House Week Activities	Key Questions
House Week 1	Citizenship Through respect, responsibility and integrity we make the world a better place.	Democracy Understanding how citizens can influence decision-making through the democratic process. Rule of Law Appreciating that living under the rule of law protects individual citizens and is essential for their wellbeing and safety.	 School Parliament Elections House Charity Vote 	What is a good citizen? What behaviours would w expect of a good citizen? Do we need rules?
House Week 2	Compassion $\overline{\mathbf{Compassion}}$ $\mathbf{Compassio$	Tolerance and Mutual Respect Accepting that other people having different faiths or beliefs to oneself (or having none) should be accepted and tolerated, and should not be the cause of prejudicial or discriminatory behaviour. Importance of identifying and combating discrimination.	 Charity Fundraising Anti-bulling Ambassadors Activities Green Team Activities Mental Health Celebrating Diversity 	What is tolerance? Is tolerance enough? How does our communit proactively combat discrimination?
House Week 3	Compassion We are brave in our actions and ambitions in our dreams.	Individual Liberty Understanding that the freedom to choose and hold other faiths and beliefs is protected by law.	 Transition Focused Activities Sports Day Taster Sessions (being brave and trying new things) 	What does it mean to succeed? How do individuals demonstrate courage in o community? How is our individual liber protected?

BULLYING UPDATE - YEAR 10

Stop!

"Each of us deserves the freedom to pursue our own version of happiness. No one deserves to be bullied" Barack Obama

Bullying affects lots of people and can happen anywhere: at school, travelling to and from school, in sporting teams, in friendship or family groups or in the workplace.

Bullying can take may forms including:

- Emotional abuse
- Social media
- Social exlusion
- Threatening behaviour
- Name calling
- Cyberbullying
- Sexting
- Sexual exploiration

Average child posts 26 times a day on social media but only 6 - out of 10 followers are really friends!

Speak

"Don't you ever let a soul in the world tell you that you can't be exactly who you are" Lady Gaga

Speak to someone. No one has a magic wand but we always do our best and we really do care.

There are lots of things you can do to keep vourself safe online.

- Think before you post
- Don't share personal details
- Watch out for phishing and scams
- Think about who you are talking to.
- Keep your device secure
- Never give out your password
- Cover vour webcam
- Use strong passwords
- Report anything you are unsure of

Images sent on sites like Snapchat can still be saved and screenshotted. they stay FOREVER!

Set, protect, and respect boundaries for yourself!

Talk to someone you trust!

Speak

"Blowing out someone else's candles doesn't make yours shine any brighter" Drake

What we do at West Exe to deal with bullying:

Whatever your worry, it's better out than in!

Mentoring is having a named person you can go to for support at school.

Peer mentoring is when older students are trained to become buddies providing support and someone to talk to nearer their own age. This helps everyone in school learn that bullying is not acceptable.

Restorative justice brings all children involved together so everyone affected plays a part in repairing the harm and finding a positive way forward

Remember: there is no reason for you to ever put up with any kind of bullvina.









TALKING FUTURES

Community

You don't need to know what job you want in the future. However, starting to explore the possibilities and looking at labour market information to discover what our local and national community needs can be helpful. Use your CareerPilot account to explore some options.



One day I think these jobs might be interesting...

Opportunity

Our promise to you: The Talking Futures offer has lots in store for you this year;

- Work experience
- Employer encounters
- CareerPilot sessions
- A Post-16 Destinations Fayre

We want to support you to start thinking about the opprtunities available beyond West Exe.

Key: Vocational Routes Academic Routes

Traineeship: Up to 6 months in preparation for an apprenticeship, involves work experience.
Apprenticeship: Employed and paid a wage whilst working towards a job specific qualification.
Applied Vocational Subjects: Practical courses related to a specific job or career area.
T Levels: A mix of classroom learning and "on-the-job" experience preparing for a specific job.
A Levels: Main academic route after GCSEs. Can be taken alongside vocational qualifications.
International Baccalaureate (IB): Internationally recognised 2 year course prepares for University or employment.

Success

Our Talking Futures offer supports you to make informed decisions, by nurturing your confidence to think and talk about your future. Employers tell us that in addition to the qualifications you gain at school, there are certain skills they are looking for. These all fit link to our student attributes, so strive to be your #BestExe every day.





SPORT, HEALTH AND NUTRITION - Healthy ME

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You should choose something from each column each week to focus on in your lesson. Once you have completed the task put a tick next to the activity. You should try to complete all of these over the cycle.

Physical ME	Thinking (Mental) ME	Social ME
Skill development: Make a list of 5 new skills you have improved on during this cycle (e.g. shooting in handball or chopping technique in food).	Making appropriate time for rest, relaxation, and sleep - Having routines that support positive mental health.	Leadership - Taking responsibility within lessons (e.g. officiating, leading warm ups or practices or supporting food preparation in food lessons).
Attend an after-school club to help you develop and improve these skills further. Developing fitness	Try to get 8-10 hours of good quality sleep a night! Rules, strategies and tactics. Think about:	 Offer to be a leader for a lesson! Help another person in a lesson to help them make progress.
 For one of the sports, you are covering in this cycle, identify the main components of fitness needed. Engage in periods of sustained physical activity. The NHS recommends that you do 2 types of physical activity each week: 1. Aerobic exercise. 2. Exercises to strengthen muscles and bones. Young people aged 5-18 should: Aim to do 60 mins of moderate-vigorous physical activity each day across the week. Take part in activities that develop movement skills, muscles and bones. Reduce the time spent sitting or lying down - spread activity throughout the day. Monitor and regulate your screen time. Keep a log of your activity levels for a typical week - see if you meet the NHS guidelines. Monitor your screen time for a week. Use equipment safely and hygienically. Think about the activities you are doing in this cycle and in each session be conscious of at least 2 safety considerations needed. Cook a healthy meal from one of the recipes you have done in food this cycle. 	 What are the main rules for the sport you are covering now? Write down 3 rules you have learnt. Can you give an example of a simple strategy or tactic you have been using? Can you give an example of a more complex strategy or tactic you have been using? Give 3 rules you must follow in the kitchen. Terminology: Give 3 examples of terminology you have learnt in any of your SHN lessons. Knowledge of muscles and bones - how many muscles and bones can you label correctly? Being resilient - positive growth mindset and never give up attitude- always looking to improve! Give an example of how you have demonstrated resilience in your lessons. If you found something challenging/ difficult but kept trying - How did you feel afterwards? 	 Officiate a game. Give feedback and support to another person. Motivate and encourage others in a lesson. Make an effort to INCLUDE another less confident person in your lesson. Help others learn - coaching. Teamwork - Working together - Work co-operatively, work collaboratively to achieve a goal. Give 2 examples of where you have shown good teamwork. Communication Verbal - give some feedback on a performance - What went well? How could they improve it? Non-verbal - Use of whistle, signals as an official, use of a demonstration - Try to do one of these each week.





	Literacy	/ Marking Codes	Reading Consistencies	
	What it means	What you need to do in green pen	Following text at	Use your bookmark to follow the text. This way you know exactly where you are when you are asked to read and you
SP	Incorrect spelling	Find the correct spelling and write it in the margin three times	all times	wont lose your place during discussion. Use an overlay if you have one.
CL	Use a capital letter	Replace the lower case letter with a capital	Switching the reader	When you are given the instructions you are to take over the reading for a period of time. All pupils are expected to read
0	Missing full stop or other missing punctuation	Add the punctuation in the correct place		Using your bookmarks to carefully note where you have
//	New paragraph	Think why you need a new paragraph here (change of topic/time/place/speaker)	Holding the place	stopped reading so that you can commence reading again swiftly once discussion is over.
WW	Wrong word choice	The word you have chosen does not fit in this sentence - chose an alternative	Checking the punctuation/	Your teach may ask you to reread a section, paying attention to the pauses, exclamation marks and question
?	Doe this make sense?	Re-write the sentence so it makes sense	emphasis	marks written in the text.
łW	Handwriting is illegible	Re-write the selected words so they are legible and clear	Pointing out the error	Your teach may ask you to reread a particular word, breaking it down and sounding it our so that the correct pronunciation is given.
		The West Exe Canon - a collecti	on of culturally	significant texts
The 57 Bus - Dashka Slater (2017)			The Ha	ndmaid's Tale - Margaret Atwood (1985)
A true story of two teenagers and the crime that changed their lives.			A masterly blend of penetration.	of adventure, character development and psychological

Synopsis: The 57 Bus begins as Richard and Sasha board the number 57 bus. They don't know each other, but they both ride the 57 bus home from school . Sasha is agender and their skirt draws the attention of Richard and his friends. As a prank, Richard holds a lit cigarette lighter to Sasha's skirt. The book follows the process of the court case and examines how people from different backgrounds are treated.

Context: Slater goes into depth about the targeting of trans and nonbinary Americans and the extraordinary number of hate crimes that community experiences, as well as Richard's trial and the fact that the media considered him a violent offender due to his skin colour.

home of the Commander and his wife once a day to walk to food markets whose signs are now pictures instead of words because women are no longer allowed to read. She must lie on her back once a month and pray that the Commander makes her pregnant, because in an age of declining births, Handmaids are only valuable for their ovaries.

Context: The Handmaid's Tale explore the consequences of a reversal of women's right. It follows a group of conversative religious extremists who take over power of America. It is considered as a one of the most powerful portrayals of a totalitarian society.

Year 10 CYCLE 2 ENGLISH

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Year 10 CYCLE 2 ENGLISH



PRIME NUMBERS

→2, 3, 5, 7, 11, 13, 17, 19, 23, 29 etc

Maths



Maths

Year 10 Combined Science Cycle Two

Key Vocabulary

- 1. Alkali: a solution containing excess hydroxide ions (OH⁻), turns litmus blue and has a pH greater than 7
- 2. Anion: negatively charged ion, one that has gained electron/s
- **3. Anode:** positively charged electrode
- 4. Base: a substance that will react with an acid to form only salt and water
- 5. Cathode: negatively charged electrode, cations collect here. Reduction occurs here.
- 6. Cation: positively charged ion, one that has lost electron/s
- 7. Electrode: a rod made of a metal or graphite that carries the current into or out of the electrolyte
- 8. Electrolysis: a process in which electrical energy form a direct current supply decomposes electrolytes
- 9. Filtrate: a solution that is passed through a filter
- **10. Filtration:** using a filter to separate insoluble substances from a liquid
- **11. Ion:** an atom or group of atoms with an electrical charge due to the gain or loss of electrons
- 12. Neutralisation: a reaction in which an acid reacts with a base to produce a salt and water only
- 13. Oxidation: loss of electrons or the gain of oxvgen
- 14. Reduction: gain of electrons or the loss of oxygen

1. Atomic structure					
Particle	Charge	Mass	Location		
Proton	+ 1	1	Nucleus		
Neutron	0	1	Nucleus		
Electron	- 1	1/1835	Electron shell		

- 2. There is always the same number of protons & electrons in an atom.
- 3. Atomic mass = protons + neutrons
- 4. Atomic number = protons
- 5. Mendeleev arranged the Periodic Table in order of increasing atomic mass but this isn't true in some cases because of the masses of some of the **isotopes**.

Week Three

Week One

- 1. Covalent bonding:
 - a) takes place to form atoms with a **full** outer shell
 - b) occurs between a **non-metal** and a non-metal
 - c) is when a pair of electrons is shared between two atoms
- 2. The structure and bonding of substances results in **different properties** such as melting point and boiling point.
- 3. Covalent substances typically have:
 - a) low melting points
 - b) low boiling points
 - c) poor conductivity of electricity
- Examples of **simple covalent** structures include: hydrogen, water, methane, oxygen and carbon dioxide.

Week Two

1. lonic bonding:

a) is the transfer of electrons to gain a full outer shell forming oppositely charge particles that attract due to electrostatic forces of attraction b) occurs between a **metal** and a **non**metal c) forms substances with have **high** melting and boiling points 2. When ionic substances are **molten** or dissolved in solution they conduct electricity because the free electrons can carry a **current**. 3. For a substance to **conduct** electricity: a) It must contain charged particles b) These particles must be **free** to move Week Four 1. Metals and metallic bonding a) Metals are malleable which means they can be hammered and rolled into shape without shattering. b) Metals can conduct electricity because of the presence of free charge particles that can carry a current (delocalised electrons) c) Metals that can contribute a larger number of free electrons have higher conductive properties than those that contribute less. E.g. .Mg²⁺ compared to K⁺



			rear to CYCLE 2 COMBINED SCIENCE	
Week Five			Week Six	Week Seven
 Indicators are used to determine whether a solution is acid, alkaline or neutral. Acids contribute hydrogen ions (H⁺) and have a pH between 1-6. Alkalis contribute hydroxide ions (OH⁺) and have a pH between 8-14. Neutral substances have a pH of 7. The higher the concentration of hydrogen ions the lower the pH. Colours of different indicators in acid and alkali Indicator Acid Alkali Universal indicator Red Blue Litmus Red Blue Phenolphthalein colourless Pink Methyl orange red yellow 		eutral. ons (H ⁺) and ions (OH ⁻) and d of 7. n of hydrogen acid and alkali Alkali Blue Blue	 A base is any substance that reacts with an acid to form water and salt only in a neutralisation reaction. Acid + base → Salt + water Copper oxide + sulfuric acid → Copper sulfate + water Add the acid in excess to ensure all the solid reacts. The unreacted solid (residue) is removed using a filter funnel. The liquid that has been filtered (filtrate) contains salt and water only. A soluble salt is one which will dissolve in water. 	 Alkalis are soluble bases. Neutralisation is a reaction between an acid and a base. Acid + base → Salt + water Acid + metal → salt + hydrogen Acid + metal oxide → salt + water Acid + metal hydroxide → salt + water Acid + metal carbonate → salt + water + carbon dioxide
Week Eight			Week Nine	Week Ten
 Solubility rules: all sodium, potassium and ammonium salts are soluble all nitrates are soluble all chlorides are soluble except silver and lead are soluble common sulfates are soluble except lead, barium and calcium common carbonates, hydroxides are insoluble except sodium, potassium and ammonium Acid + metal carbonate → salt + water + carbon dioxide Test for hydrogen: place a lit splint over the top of a test tube, you will hear a squeaky pop if hydrogen is present. Test for carbon dioxide: bubble the gas though lime water, the solution will go cloudy white if it is present. 		oluble le except silver soluble except um hydroxides are um, potassium alt + water + splint over the ar a squeaky ble the gas	 Electrolysis of copper sulfate can be completed using graphite (inert) or copper electrodes. The products of electrolysis depend on whether the salt is in solution (dissolved in water) or molten. Positively charged cations will collect at the cathode. Negatively charged anions will collect at the anode. If the salt is molten it splits into its ions, e.g., NaCl forms Na⁺ and Cl⁻ If the salt is in solution the water will also split into its ions which creates OH⁻ and H⁺. 	 Electrolysis core practical: Wear goggles to prevent chemicals getting into your eyes. With copper electrodes a) the anode loses mass and the cathode gains mass b) as the current increases the loss in mass of the anode increases and the gain in mass at the cathode increases With graphite electrodes: a) Copper metal collects at the cathode b) Oxygen is produced at the anode 5. Oxidation occurs at the cathode

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Year 10 CYCLE 2 COMBINED SCIENCE

Year 10 CYCLE 2 GEOGRAPHY - Changing Economic World (Paper 2)

WEEK 1

WEEK 2

WEEK 3

WEEK 4

WEEK 5

Development is an improvement in living standards through better use of resources.

Economic: This is progress in economic growth through levels of industrialisation and use of technology.

Social: This is an improvement in people's standard of living, for example, clean water and electricity.

Environmental: This involves advances in the management and protection of the environment.

Measuring development

Employment type: The

proportion of the population working in primary, secondary, tertiary and quaternary industries.

Gross Domestic Product (GDP) per capita: The total value of goods and services produced by a country in a year divided by its population.

Literacy rate: The percentage of the population over the age of 15 who can read and write.

Human Development Index (HDI): A number that uses life expectancy, education level and income per person. LICs: Poorest countries in the world. GNI per capita is low and most citizens have a low standard of living

NEEs: Countries are getting richer as their economy is progressing from the primary industry to the secondary industry. Greater exports leads to better wages.

HICs: These countries are wealthy with a high GNI per capita and high standards of living. These countries spend money on services.



Stage 1: High birth and death rates, low population growth Stage 2: Birth rate remains high, death rate falls, population rising. Stage 3: Low death rate, falling

birth rate, increasing population.

Stage 4: Low birth and death rate, population steadies.

Stage 5: Falling death rate and low birth rate leading to natural decrease of the population.

Human factors affecting uneven development

Aid: Helps countries develop key projects for infrastructure faster. Improve services such as schools and hospitals. Too much reliance on aid hinders development though.

Trade: Countries that export more than the import have a trade surplus. Trading goods and services is more profitable than raw materials.

Education: Creates a skilled workforce, meaning people earn more money and can pay more taxes which helps to develop the country.

Politics: Corruption in local and national governments. Stability of the government can affect their ability to trade and to invest in services and infrastructure.

History: Colonialism has helped Europe develop but slowed the development of other countries. Countries which have already industrialised benefit economically today.

Health: Lack of clean water and poor healthcare means a large number of people suffer diseases. People who are ill cannot work so make little contribution to the economy.

Physical factors affecting uneven development

Natural resources: Fuel sources such as oil. Minerals

and metals. Availability of timber. Access to safe water.

Natural hazards: Frequent hazards undermines development. Benefits from volcanic material and floodwater.

Climate: Reliability of rainfall to benefit farming. Extreme climates limit industry and affects health. Climate can attract tourists.

Location/terrain: Landlocked countries may find trade difficult. Mountainous terrain makes farming more challenging.

Consequences of uneven development

Wealth: People in HICs have higher incomes than those in LICs/NEEs

Health: Better healthcare means that people in HICs live longer.

Migration: If nearby countries have higher levels of development or are secure, people will move to seek better opportunities and standard of living.

Reducing the development gap

Microfinance loans: Involves people in LICs receiving small loans from traditional banks. Loans enable them to start their own businesses. Might not be effective at a large scale.

Aid: Given from one country to another as money or resources. Improve literacy rates, building dams, improving agriculture. Can be wasted by corrupt governments.

Fair trade: Movement where farmers get paid a fair price for the goods produced. Paid fairly so they can improve healthcare and schools. In reality, only a small proportion of extra money reaches the producers.

Foreign-direct investment: when one country buys property or infrastructure in another country. Leads to better access to finance, technology and expertise. Investment can come with ties that countries need to meet.

Debt relief: When a county's debt is cancelled or interest rates are lowered. Means more money can be spent on development. Locals might not always get a say. There might be ties from the donor country.

Technology: Includes tools, machines and affordable equipment. Renewable energy is less expensive and polluting. Requires investment in skills to operate machinery.

Year 10 CYCLE 2 GEOGRAPHY - Changing Economic World (Paper 2)

WEEK 6

WEEK 7

CASE STUDY: Reducing the development gap in Jamaica

Jamaica is a LIC island nation in the Caribbean. Location makes Jamaica an attractive place for visitors to explore the tropical blue seas, skies and palm filled sandy beaches.

Tourist economy: In 2015, 2.12 million visited. Tourism contributes 27% of GDP and will increase to 38% by 2025. 130,000 jobs rely on tourism. Global recession in 2008 caused a decline in tourism.

Multiplier effect: Jobs from tourism have meant that more money has been spent in shops and other businesses. Government invested in infrastructure to support tourism. New sewage treatment plants reduced pollution.

Development problems:

Tourists do not always spend very much money outside of their resorts. Infrastructure improvements have not spread to the whole island. Many people still live in poor quality housing and lack basic services such as healthcare.

CASE STUDY: Economic development in Nigeria



Nigeria is a NEE in West Africa, north of the equator. Most populous and economically powerful country in Africa. Economic growth has been based on oil exports.

Influences upon Nigeria's development

Political: Suffered instability with a civil war between 1967 and 1970. From 1999, more stable with free and fair elections. Stability encouraged investment from USA and China.

Social: Multi-cultural, multi-faith society. Mostly a strength, but diversity has caused regional conflicts from groups such as Boko Haram terrorists.

Cultural: Diversity has created rich and varied artistic culture as well as literacy and film (Nollywood). Successful football team.

WEEK 8

CASE STUDY: Economic development in Nigeria

Industrial structures: Once based on agriculture, 50% of its economy is now manufacturing and services. A thriving manufacturing industry is increasing foreign investment and employment.

The role of TNCs: played an important role on Nigeria's economy (e.g. Shell). Profits often go to HICs. Oil spills have damaged fragile environments.

Changing relationships: Role with the African Union and UN. Growing links with China with huge investment in infrastructure. Main import includes petrol (EU), cars (Brazil) and phones (China).

Environmental impacts: 2008-2009 oil spill devastated swamps and ecosystems. Industry caused toxic chemicals to be discharged in open sewers risking human health. 80% of forest have been cut down increasing CO₂ emissions.

Aid and debt relief: Receives \$5 billion per year in aid. Aid groups have improved health centres, mosquito nets and protect against HIV/Aids

Life expectancy increased from 46 to 53 years.

CASE STUDY: Economic change in the UK

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WEEK 9



One of the largest economies in the world. Huge political, economic and cultural influences. UK has global transport links e.g. Heathrow and Eurostar.

Causes of economic change:

Deindustrialisation. Globalisation which has meant that many industries have moved overseas, where labour costs are lower.

Towards post-industrial: the quaternary industry has increased whilst secondary decreased. Primary & tertiary stayed steady. Big increase in professional and technical jobs.

Science parks: groups of scientific and technical knowledge-based businesses on a single site. Access to transport routes. Educated workers. Attractive working environment. Clusters of high-tech businesses.

WEEK 10 🚯

CASE STUDY: Economic change in the UK

UK car industry: Every year the UK makes 1.5 million cars. Factories owned by large TNCs e.g. Nissan. 7% of energy used in their factories is from wind energy. New cars more energy efficient and lighter. Nissan produces electric and hybrid cars.

Change to the rural landscape

Social: Rising house prices caused tension in villages. Unpopulated during the day causing loss of identity. Resentment towards migrant communities.

Economic: lack of affordable housing for local first time buyers. Sale of farmland increased rural unemployment.

Improvements to transport: £15 billion 'Road Improvement Strategy'. This will involve 10 new roads and 1600 extra lanes. £50 billion HS2 railways to improve connections between cities. £18 billion on Heathrow's controversial third runway.

UK North/South divide: wages lower and education worse in the north. Health better in south. Northern Powerhouse project to resolve regional differences.

	YEAR 10 CYCLE 2A HISTORY - Early Elizabethan England Unit 1					
	e of key dates	Key events / individuals	Key vocabulary			
Her Bole	th of Elizabeth to nry VIII and Anne leyn zabeth accedes to the	Elizabeth I: The Protestant daughter of Henry VIII and Anne Boleyn. Queen of England, 1558-88. Mary Tudor or Mary I: Elizabeth's Catholic half-sister who was queen before Elizabeth (1553-1558).	Catholics: Christians who remained loyal to the Pope. Spain, France and Scotland were all Catholic countries. Clergy: People who have been trained and approved for carrying out religious services in the Church. For example,			
her 1559 The sett	one on the death of r sister, Mary Tudor e Elizabethan religious tlement: the Acts of premacy and	Philip II: The Catholic King of Spain.Mary, Queen of Scots: Elizabeth's Catholic cousin.Many English Catholics believed that she should be queen.Lord Darnley: Mary, Queen of Scots' first husband (a	priests. Court: The community of people who lived with the Queen, including advisers, officials, ladies-in-waiting and servants. Heir: The next-in-line to the throne, usually the monarch's oldest son.			
Uni 1568 Mai	iformity ry, Queen of Scots es to England	violent drunkard who was killed in 1567). Bothwell (Earl of): Mary, Queen of Scots second husband and a suspect in the Darnley murder.	Illegitimate: To be born to unmarried parents. Catholics accused Elizabeth of being illegitimate because the Pope had not agreed to her parents' marriage.			
		B Sective Pristice Bornalia ANNO	Mass: The name given to the Communion Service by Catholics. Monarch: A king or queen. Parliament: Summoned by the Queen when she needed laws passed or taxes raised. Privy Council: The committee of ministers appointed by Elizabeth to advise her.			
			Protestants: Christians who had broken away from the Catholic Church and the power of the Pope. Puritans: Extreme Protestants who wanted to remove all Catholic practices and rituals from the Church of England. Reformation: The split in the Church in the 16 th century			
Key to co	blours:		between Protestants and Catholics. Secretary of State: The most important person in the Privy Council who organised all government business and who was in close contact with the Queen. Taxation: Money collected by the government to pay for the running of the country.			
Learn thes		Learn these words for week 4	Tudor: The name of the English royal family from 1485-1603.			

Timeli	ne of key dates	Key events / individuals	Key vocabulary
1569	Revolt of the Northern Earls aims at placing Mary,	Earl of Northumberland & Earl of Westmorland: Leaders of the revolt of 1569 to overthrow Elizabeth and restore Catholicism.	Ambassador: Official envoy representing a state or country in a foreign land (e.g. a Spanish ambassador in England).
	Queen of Scots on the throne.	Roberto Ridolfi: An Italian banker used by Mary, Queen of Scots to carry messages calling for an invasion of England.	Armada: Spanish word meaning a naval fleet or group of warships. Flyboat: A small, fast sailing boat.
1570	Pope Pius V excommunicates Elizabeth from the Catholic Church.	Duke of Norfolk: Key player in the Ridolfi plot. Planned to marry Mary, having restored Catholicism. Executed in January 1572. Francis Throckmorton: A young English Catholic who	Galleon: A large sailing ship with several decks, used in Spain between the 15 th and 18 th centuries, originally as a warship and later for trade.
1571	The Ridolfi Plot.	carried letters between Mary, Queen of Scots and the French and Spanish ambassadors. Executed in July 1584.	Governor General: Ruler of the Netherlands in the 16 th century in the absence of the monarch.
1583	The Throckmorton Plot.		Lord High Admiral: Appointed by the monarch to
1585	War begins between England and Spain.	Anthony Babington: A 25-year-old Catholic who carried letters for Mary. Part of a plot to assassinate Elizabeth. Executed in September 1586.	take control of all navy operations. Netherlands: European country on English Channel. Part of Spain's empire and therefore a threat to
1586	The Babington Plot.	Robert Dudley: The Earl of Leicester. Sent to the Netherlands in 1585 and gave his support to Protestant rebels there.	England. Pinnace: A small ship with oars and sails. Warning beacons: Fires lit at well-known locations
1587	Execution of Mary, Queen of Scots.	Francis Drake: Son of a Devon farmer who gained fame as sailor and Protestant preacher. Circumnavigate the world in 1577-80. Vice Admiral of the fleet which defeated the	on hills or high places, to warn of enemy ships or troops.
	Drake's assault on the Spanish fleet in Cadiz harbour.	Spanish Armada in 1588.	
1588	The Spanish Armada sent against England.		
Key to colours: Learn these words for week 5/ Learn these words for week 6/ Learn these words for week 7			

	YEAR 1	0 CYCLE 2C HISTORY - Early Eliz	abethan England Unit 3
Time	eline of key dates	Key events / individuals	Key vocabulary
1572	Act for the Punishment of Vagabonds establishes harsh treatment of offenders Censorship of plays introduced. All acting companies had to have a royal	Vagabonds (top left): Travelling homeless beggars. William Shakespeare (top right): The most famous English playwright whose works were performed in The Globe theatre.	 Astrolabe: An instrument used by sailors to calculate their position by the stars. Bullion: Bars of gold and silver such as those being shipped to the Spanish Netherlands.
1576	licence. Act for Relief of the Poor displays a	Christopher Marlowe: Another famous Elizabethan writer of plays. His most	Colonists : People who have settled in a colony.
	more enlightened (kinder) attitude towards poverty. The first theatre to be built since	acclaimed work was 'The Jew of Malta', a black comedy. Francis Drake:(bottom left): Sailor, pirate (?)	Colony : A country (or piece of land) under the full or partial control of another, and occupied by settlers of that country.
	Roman times opened just outside London. It was named 'The Theatre'!	and privateer who cleared England's debt with the riches made from just one voyage.	Garrison : A body of troops stationed in a fortified place such as a fort. Gloriana : A name given to Elizabeth I because she was so gloriously
1577	Drake begins his circumnavigation of the globe:	Walter Raleigh (bottom right): Sailor, explorer and visionary who wanted to create Virginia as a North American colony	successful.
1585	the expedition lasts three years. The first attempt by Raleigh to	in Elizabeth's honour.	Latitude and longitude : Imaginary lined circling the globe from horizontally (latitude) and vertically (longitude).
	establish the colony of Virginia. Starving colonists were rescued by Drake in 1586.	SAP CON	Empire : A collection of colonies. A <i>maritime</i> empire was one in which the ruling country had control of the seas.
1587	The second expedition to Virginia. When John White returned with supplies in 1590, the colonists had	SCAPE SAN	Masques : Court entertainments in which famous events were shown through dance and mime.
1558-	mysteriously disappeared. 72 new grammar schools were founded	BRY MIT	Mutiny : An open rebellion against authority, often among soldiers and sailors.
1603	during Elizabeth's reign. These were usually attended by sons of gentry, merchants and yeomen.		New World : The 16 th century name for North and South America.
Ву	It was estimated that only 30% of men	1000000	Piracy : The practice of attacking and robbing ships at sea.
1603	and less-than 10% of women could read and write.		Religious crusade : A holy war with a religious purpose, usually to capture and convert lands.
	to colours: hthese words for week 8		Vagabondage : Vagrancy, homelessness, wandering without a purpose. Vagabonds were seen as a threat to society in the 16 th century and were often treated harshly.
Learr	these words for week 9 these words for week 10		Yeomen : Farmers who owned their own land. Some grew quite wealthy during Elizabeth's reign.

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Year 10 CYCLE 2 LANGUAGES

Year 10 CYCLE 2 LANGUAGES

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	Year 10 CYCLE 2A WEST EXE BACCALAUREATE - Work Skills					
Week 1: Glossary	Week 2: Personal (soft) skills	Week 3: 21 st Century skills	Week 4: SMART Targets	Week 5: Interviews		
Personal skills / Soft skills: Skills, values and qualities that are important in all jobs 21 st Century skills: The skills identified as important for 21 st century learners / workers Transferable skills: Skills and abilities, which can be applied to a wide range of different courses and jobs SMART targets: Goals that will help you successfully plan and complete a project CV: A document that summarises a person's skills, character, experience and achievements Case interview: An interview task where candidates are given a problem and have to come up with a solution Puzzle interview: A question designed to see how quickly you can think on your feet and how you approach a difficult problem	value problem solvers as they effectively and swiftly make rational decisions. Flexibility/Dependability: Employers hire candidates who demonstrate reliability, responsibility, and trustworthiness; who adapt to change and are willing to help their colleagues. Interpersonal (People) Skills: Employers want employees who are compatible with their	Ways of thinking: Creativity; critical thinking; problem-solving; decision- making Ways of working: Communication; collaboration Tools for working: ICT; information literacy Skills for living in the world: Citizenship; life and career skills; personal and social responsibility Transferable skills Interpersonal Skills: Communication; leadership & supervising; teamwork Exploration & Implementation Skills: Researching & analysing; Problem solving & decision making; planning & organising Self-Management & Values Learning, improving & achieving; enterprising; resilience, adaptability & drive	 Know if the goal is obtainable and how far away completion is Find out when you have achieved your goal Agreed upon Agree with everyone involved what the goals should be Realistic Within the availability of resources, knowledge and time Time-Based Enough time to achieve the goal Not too much time, which can affect project 	 Preparing for an interview Re-read the job description Consider why you want the job and your skills Research the company / job Consider your answers to common interview questions Practice your speaking voice and body language Prepare thoughtful questions for the interviewer Conduct mock interviews Plan travel arrangements Making a good impression Punctuality: Arriving late gives a bad first impression Positivity and enthusiasm: Answer questions with positive statements and be enthusiastic Body language: Sit naturally, don't slouch, smile frequently and maintain eye contact Clarity: Give clear and concise answers. Thinking time before answering 		
 What is a CV? Your CV is an advertisement for you It sells your skills, experience and personal qualities A CV can be: Chronological - show your education and work experience in date order Or a CV can be Functional - highlight your skills first 	 What should go on my CV? Name and contact details Skills that will help you do the job well Qualifications Past jobs and work experience Interests that show the 'whole person' Referees – people who can back up what you 	Check your CV • Spelling and punctuation • Formatting • Have you included all the right information? • Are you using examples from your education, work experience, interests and achievements to demonstrate all your skills and personal qualities?	 ✓ Use evidence ✓ Be brief and to the point 			



	INTRODUCTION OF GRAMMAR						
NAME		DEFINITION	EXAMPLE				
S	Verb	A verb expresses an action, state or a condition in a sentence. These can be either verbs of doing or being.	The boy ran to the park. I was here long ago.				
	Auxiliary Verbs	Auxiliary verbs help to form the various tenses, moods, and voices of other verbs. Auxiliary verbs: a form of be, do, have or a modal, used with a main verb to form different tenses.	She is reading a book. We were going to the beach. I had to eat the cake.				
Types of Verbs	Mod <mark>al</mark> Verbs	These combine with other verbs to express necessity, possibility, and intention.	You should know what modal verbs are. He might not know the milk has gone bad. I ought to stop eating so much cake.				
Type	Participles	They are words formed from verbs and look like verbs, but they are used as adjectives (i.e. they describe a noun). Past participles end in 'ed'; present participles end in 'ing'. These will always be non-finite.	In the house, there was a screaming witch. The worried man kept eating the cake. The dying woman reached for the hand of her weeping son.				
	Gerunds	A gerund is a verb that is acting as noun in a sentence. It's made from a verb by adding '-ing.' Infinitives are the 'to' form of the verb. E.g. to ski. Gerunds are the 'ing' form of the verb which acts as a noun.	Skiing is fun. I enjoy skiing.				
Finite or Non-finite	Finite or Non-finite Verbs	All verbs - regardless of their type - are either finite or non-finite when they are used. Finite verbs can only be used in some circumstances - if you change tense, the number or the person it will have to change. Whereas, a non-finite verb can be used in ANY number of circumstances. They won't change even if you alter the tense, the number or the person.	Ben sat on the bench, looking at the ducks. <i>First, identify the verbs</i> In the park, Ben sat on the bench, looking at the ducks. <i>Then, change the tense</i> In the park, Ben sits on the bench, looking at the ducks. Sat is finite - It had to change. Looking is non-finite - It didn't need to change				
	Main Clause/ Simple Sentance	A main clause/simple sentence has one - and only one - finite verb and a subject. (It can have as many non-finite verbs as you like.) A subject is the thing doing the <i>verb</i> .	The crocodile ate my friend. In the desert, scorpions hide. The car crash was unexpected and tragic.				
ntence	Object	A main clause <i>can</i> have an object, but it doesn't need one. The <u>object</u> is the thing that receives the <i>verb</i> - the subject affects it in some way.	The girl <i>kicked</i> the <u>ball.</u> The man <i>ate</i> <u>all of the cake.</u>				
Types/parts of sentence	Imperative Sentances	Imperative verbs act as an instruction or command. It <i>is</i> a sentence, but it only has a finite verb as the subject is implied. This means it is obvious who the sentence is referring to so that it doesn't need to be stated.	Sit down. Hand me that cake! Tell me when the pain started.				
	Compound Sentence	Two main clauses linked together by a co-ordinating conjunction (FANBOYS). For/And/Nor/But/Or/Yet/So	The chips were delicious, but the fish was foul. I went to the shops to get some cake, so I could eat it for dessert. The man went dancing and the woman played Xbox.				
	Complex Sentance	Made up of two parts: a <u>main clause</u> and <u>one or more</u> subordinate clause. A <i>subordinating conjunction</i> always comes at the start of the subordinate clause.	The boy sat down after he heard the news. Nobody saw the alien because he was invisible.				

Types/parts of sentence	Complex Sentence - Subordinate Fronted	As above, but the subordinate clause comes before the main clause. It needs to be separated by a comma.	<u>After he heard the news</u> , the boy sat down. <u>Because he was invisible</u> , nobody saw the alien.
	Embedded Clause/Phrase	Clauses and <u>phrases</u> can be embedded in both main and subordinate clauses. They are usually embedded between the subject and the finite verb (of either the main or the subordinate clause). A comma is needed both before and after the embedded ingredient	Monkeys, <u>that were jumping and calling,</u> surrounded the car. The nun, with whom I recently had a falling out with, prayed to God.
	Fragments	A fragment is a word, that is punctuated as if it is a sentence. It is not a sentence because it doesn't have a subject and a finite verb. Fragments add emphasis, create a colloquial style and create realistic speech.	This is the worse day ever. Ever. She told me that if I didn't do my homework, she'd put me in detention. Well, whatever. "Where are you going?" "Home."
	Phrases	Whereas a clause has BOTH a subject and a finite verb, a phrase does not have BOT H a subject and a finite verb. A group of two or more words which usually do not contain a finite verb and which can act as a noun, verb, adverb, adjective or preposition.	This is a clause: after the school day ended. This is a phrase: after school.
	Prepositional Time Phrases	Phrases that indicated when something happens. A comma is needed to separate a (prepositional) time phrase from the rest of the sentence when it is before the main clause.	Yesterday, it was snowing heavily. It was snowing heavily yesterday.
ses	Prepositional Place Phrases	Phrases that indicated where something happens. A comma is needed to separate a (prepositional) place phrase from the rest of the sentence when it is before the main clause.	Under the hill, Bilbo Baggins lived. Bilbo Baggins lived under the hill.
Phrases	Present Participle Phrases (ING)	Begins with an ING present participle and it does not have a subject or a finite verb. They are separated from the main clause with a comma - BOTH when they are before the main clause AND when they are after it. The phrase must refer to the subject of the clause.	Thinking about her hot dinner, the woman shifted on the cold seat. Watching their daughters play football, the two mothers shouted support.
	Past Participle Phrases (ED)	As above, but begins with an ED past participle.	Scared he might not make it, the boy ran to the toilet. The young couple hugged, thrilled at the news of their pregnancy.
	Adverbs	An adverb can be placed at the beginning, middle and end of a sentence. Adverbs are used to qualify or modify the verb. At the beginning it needs to be separated by a comma; in the middle of the subject and finite verb it needs be embedded between two commas; at the end it does not need to be separated.	Suddenly, the building exploded. The building exploded suddenly. The building, suddenly, exploded.
Advanced Punctuation	Semi-colon	Semi colons link two main clauses to form one sentence. They need to be related by topic or action. It does not link a sentence to a subordinate clause or phrase. You do not use a capital letter after a semi-colon.	This is how you use a semicolon; it is easy when you know how. My mother is from Italy; my father is from Poland.
	Colon	Colons introduce information, expanding or embellishing a point that has already been made. The information on each side is essentially the same but after the colon, there's usually more detail. You can imagine the colon being a stand in for the phrase 'let me tell you about it'.	It is very cold outside: there are icicles handing from my front door and the post man arrived by sled! I am allergic to two things: eggs and honey.
Advan	Dashes	The dash is a punctuation mark used for emphasis and effect: it can be used to replace a colon, a semicolon, an ellipsis, brackets or a comma.	The dash is a versatile tool - it can replace a semi-colon or colon. You might also want to know - if you're <i>really</i> interested - that it can replace commas too.

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