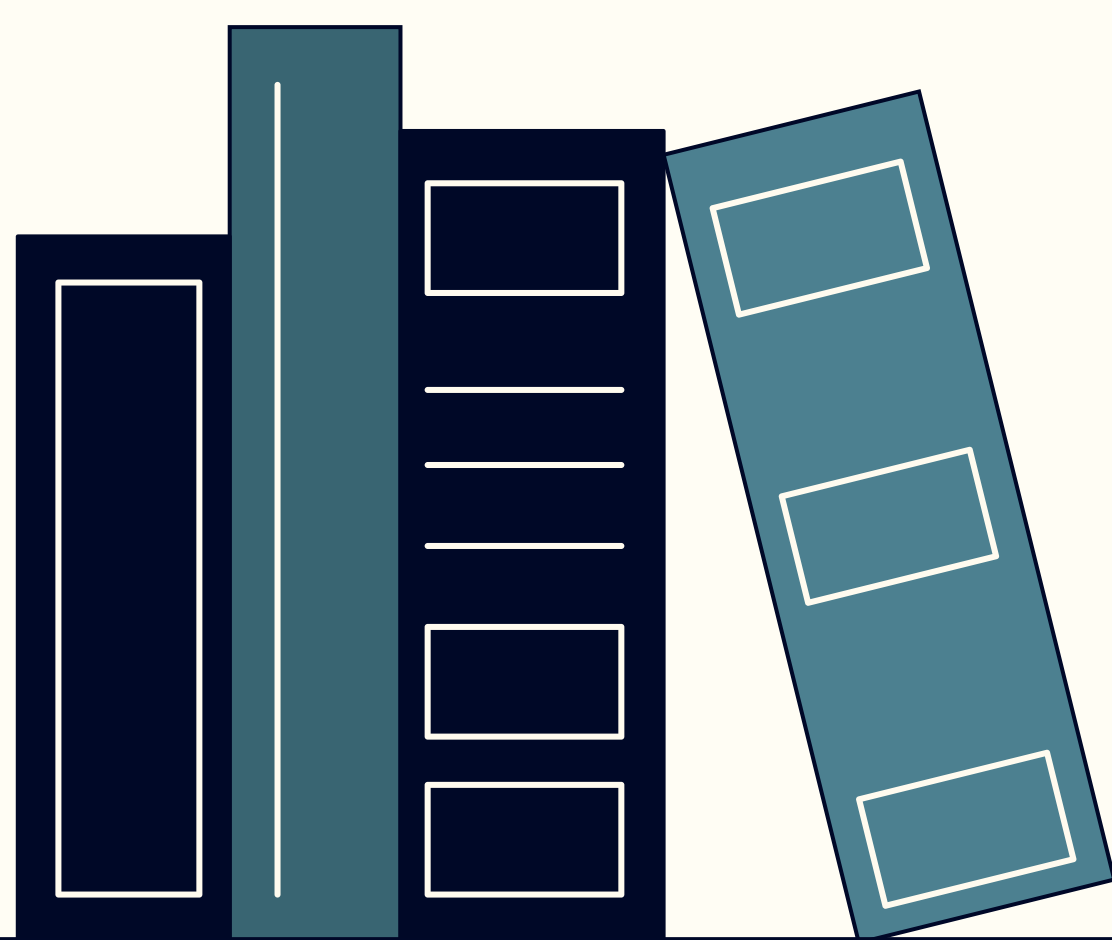


WHAT WILL MY CHILD BE LEARNING ABOUT IN SCHOOL?

YEAR 9



SUBJECT	TERM 1	TERM 2	TERM 3	'EXTEND LEARNING' OPPORTUNITIES	RECOMMENDED READS
ENGLISH	Conflict (Salt to the Sea) Students will read this contemporary, multi-narrative novel which explores the consequences of conflict. Students will explore extended metaphors and motifs. Using the text as a prompt, students will craft descriptive memoirs revolving around the theme of conflict.	Freedom (Educating Rita/ Our Day Out) Students will read either of Russell's modern plays, building upon prior knowledge of dramatic conventions. Students will explore the central ideas of social class and aspiration. Students will take inspiration from the literary text and produce a rhetorical speech, advocating for a fairer society.	Voices (Things a Bright Girl Can Do) To help students prepare for KS4, they will read this contemporary novel which introduces them to the concept of socialism, the Edwardian era, the Suffragette movement and the fight for women's rights.	Listen to Sepetys discuss her inspiration for and experience whilst writing Salt to the Sea: www.youtube.com/watch?v=bvllhYXED3A Watch Educating Rita: www.youtube.com/watch?v=FCel6jzugtE Watch Our Day Out: www.youtube.com/watch?v=yC94lOtJrc	Where The Lemon Trees Grow - Zoula Katouh The Fountains of Silence - Ruta Sepetys Blood Brothers - Willy Russell
MATHS	Fractions and percentages Probability Standard form Inequalities Quadratic equations Formulae Constructions Circles	Rounding 3D shapes Pythagoras' theorem Ratio and Proportion Linear graphs Compound measures Motion-time graphs	Quadratic graphs Angles and bearings Transformations Similarity and congruence Handling data and statistical diagrams Vectors	Life Science Centre - Newcastle: STEM exhibitions, coding workshops, interactive maths shows. Discovery Museum - Newcastle: Engineering, invention, and problem-solving exhibits. Locomotion - Shildon: Railways, forces, mechanics – great for maths in motion. Kielder Observatory - Nothumberland: Astronomy meets maths: orbits, distance, scale. Hopetown - Darlington: rich and engaging maths and STEM learning environment through observation, interaction, creativity, and real-purpose context.	Humble Pi - Matt Parker The Maths Behind ... - Colin Beveridge Maths Girls - Hiroshi Yuki The Cracking Code Book - Simon Singh
SCIENCE	Cell structure and transport: cell organelles and microscopy, diffusion, osmosis and active transport. Atomic Structure: History and structure of the atom, chemical equations, separation techniques, ions, atoms and isotopes, electronic structures. Particle Model of Matter: understanding and critiquing scientific models, density, changes of state, heating and cooling, pressure.	Cell division, digestion, and circulation: mitosis and the role of stem cells, enzymes and physiology of the digestive system, blood and the heart. Structure and Bonding: States of matter, ionic and covalent bonding, bonding in metals. Atomic Structure: internal structure of the atom, history of the development of the atom, radioactive decay, transmutation, half-life, fission/fusion	Lungs and gas exchange, adaptations, organisation in plants: Gas exchange and ventilation, structure of a leaf, traspiration and translocation Periodic table and Chemical calculation: Development of the periodic table, alkali metals, halogens and explaining trends. Equation and calculations. Energy: energy stores and transfers, conservation of energy, energy calculations, efficiency, reducing unwanted energy transfers, specific heat capacity and specific latent heat.	Science Club The Great North Museum (Hancock) - Ecology Life Museum – Genetics; Space; Discovery Museum Botanical Gardens- Flowers and biodiversity Cragside - Hydroelectricity Planetarium - Space Farms and Zoos At home science experiments: https://www.iop.org/explore-physics/at-home Documentaries: David Attenborough, Brian Cox,	Horrible Science book set Fairy Tale Physics by Sarah Allen Science you can eat by Stefan Gates What a waste by Jess French How to be an engineer by Carol Vorderman Kay's Anatomy by Adam Kay Kay's Marvellous Medicine by Adam Kay Spilling the beans on Albert Einstein by Frances Mayes Confident readers The immortal life of Henrietta Lacks by Rebecca Skloot Storm in a Teacup by Helen Czerski Will we ever speak Dolphin? By New Scientist The Disappearing Spoon by Sam Kean Women in Science by Rachel Ignatofsky A Life on Our Planet by David Attenburgh
FRENCH	Pros and cons of being online: Students will look at the advantages and disadvantages of being online and discuss their own experiences of being on social media . They will also learn to talk about who they follow online and why, using direct object pronouns to add complexity to their speaking and writing.	Future plans: Students will learn to talk about their skills, what they want to study in the future, and which jobs they want to do . This will tie in with their work in Personal Development sessions, where they will be starting to discuss the options process. Students will learn about modal verbs and using them in infinitive constructions . The environment: Students will learn how to talk about key issues facing the planet and discuss ways in which we can help . They will recap weather phrases from Year 8 and build on the work from the previous topic on the use of modal verbs in infinitive constructions .	Health and wellbeing: Students will start this topic by learning to talk about what they eat and drink on a daily basis. They will learn the correct use of the partitive article and use adverbs of frequency , too. They will also talk about what the causes of stress in their lives are and build on their work from the earlier in the year on direct object pronouns . Lastly, they will learn how to use the near future tense to talk about what they are going to change in their lives to improve their health and wellbeing.	Lupin - Series Petite Maman (2021) La Famille Bélier (2014)	Olly Richards - Short French Stories for Beginners Maurice Leblanc - Arsène Lupin (Graphic Novel version) Konami Kanata - Chi (Manga for kids) Max Et Lili series of books
GEOGRAPHY	Asia: Students study key climate issues within Asia such as monsoon rain and tropical storms . They compare these climate issues to the ones Africa are experiencing to show similarities and differences between the two continents . They also explore how population issues are similar between the two continents with a focus on China's One Child Policy , Japan's aging population and Kenya's youthful population . Following this, they study how the two largest continents can be connect through globalisation and trade .	Middle East & Russia : Students study two contrasting areas within Asia and explore the challenges these places face . Starting with the Middle East students explore key issues relating to climate, water availability and conflict . Whilst in Russia they consider if the vast geography of the country helps or hinders Russia's development .	Europe: Through this topic, students study the present day issue of Climate Change . They explore the Earth's climate history with a focus on glacial periods . They explore how the Lake District has been shaped by glaciers and the opportunities and challenges these areas face today due to increased tourism. Students also study the cause and evidence of past climate change due to natural factors as well as the significant impact humans are causing today.	Documentaries Asia - (Typhoon Haiyan - Eye of the Storm) https://www.youtube.com/watch?v=-BnahLG_DmQ Russia & Middle East (Russia with Simon Reeve) https://www.bbc.co.uk/iplayer/episode/b099127q/russia-with-simon-reeve-series-1-episode-3 Europe - (Climate Change) https://www.youtube.com/watch?v=pEt6-jA2UE4 Research Task To widen and develop your geographical understanding of processes and your place based knoledge of the world create a case study of a recent tropical storm event.	Boy at the back of the class The ivory key The summer we turned green
HISTORY	Protest in the Twentieth Century: Britain – the struggle for the right to vote US - Black Civil Rights Movement	Protest in the Twentieth Century: South Africa: the campaign against Apartheid Britain – the campaign for LGBT Rights	Protest in the Twentieth Century: County Durham – the Miners' Strike of 1984 People Power and Protecting Our Planet	Site visits that relate to our Year 9 curriculum include - Free museums such as The Discovery Museum in Newcastle or Durham Story - Paid for museums such as Beamish or Woodhorn (for coal mining. Free entry to under 18's). There are documentary series to watch on iPlayer or YouTube, on almost every era of history, including ones which focus on each of the case studies of Protest we study.	Historical novels linking to each case study of protest Female Suffrage: Until We Win by Linda Newbery US Civil Rights: Fire From the Rock by Sharon Draper South Africa: Out of Bounds by Beverley Naidoo LGBTQ+: Simon vs the Homo Sapiens Agenda by Becky Albertali Miners' Strike: Billy Elliott by Melvin Burgess Protecting Our Planet: The Last Wild by Peter Torday
RELIGIOUS STUDIES	Crime and Punishment Students will look at moral issues in the real world and will start to look at more wider issues than religion. Students will apply atheist and theist views to these moral issues.	Christian Beliefs As part of the GCSE course, students will study the beliefs, teachings and practices of Christianity specified below and their basis in Christian sources of wisdom and authority. Students will analyse and refer to scripture and/or sacred texts where appropriate.	Christian Practices As part of the GCSE course, students will study the different practices associated with Christianity and focus on the differences between denominations such as Roman Catholicism and Church of England. Students will start to make links between beliefs and how these beliefs are put into action.	Oriental Musuem in Durham (throughout the year they have exhibitions and activities celebrating different religious festivals) Durham Cathedral The Auckland Project (Bishop Auckland) Hexham Abbey	'You think you know me' by Ayaan Mohamud 'Guard your heart' by Sue Divin
ART	Artists can control media: tonal drawing, grid drawing, mark-making, continuous line, fineliner & wash, monoprinting, charcoal, colour theory, watercolours, acrylics, oil pastels, photography skills	Artists present personal responses: mind maps, mood boards, artist research, artist responses,	Artists present personal responses: artist research, artist responses, photoshoot, personal research, developing ideas, creating outcomes	https://thisisfsdartanddesign.weebly.com/extended-learning.html	https://thisisfsdartanddesign.weebly.com/ks3-reading-list.html
MUSIC	Working with Chords Pupils analyse scores and the core elements of melody and harmony to give an understanding of chords. Pupils perform in a variety of ways (solo and/ or ensemble) to show their understanding	Working with melody	Modern Music Pupils study modern 'classical' music by composing aleatoric pieces.	a) The Glasshouse Weekend School (Durham) Held at The Glasshouse International Centre for Music, this flexible weekend program offers pupils and families interactive workshops spanning singing, notation, drumming, and composition. It's a great way to extend Year 7 learning in a relaxed, hands-on environment. b) Explore Gala Theatre Durham listings Keep an eye on the Gala Theatre's events page for family-friendly music workshops and performances, such as community drumming sessions, live electronic music showcases, seasonal singing events, and more. These are excellent for reinforcing school topics in a real-world setting.	1. "AI-generated music: revolution or threat to musicians?" Publication: The Guardian Summary: Artificial intelligence reshapes music creation, sparking debate. Link: https://www.theguardian.com/music/2025/jan/15/ai-music-revolution-threat-to-musicians 2. "The resurgence of vinyl records in the digital age" Publication: Financial Times Summary: Vinyl sales surge as listeners seek tactile music experiences. Link: https://www.ft.com/content/2d0a53e4-cd7a-4e1f-b1bb-ec3643b5e8a4
DRAMA	Devising drama – creating our own plays	Scripted drama – DNA by Dennis Kelly and The Last Resort by Chris Owens	Beyond the theatre – soap opera and TV drama	Theatre visits Joining extracurricular drama groups	Saving Hamlet by Molly Booth
COMPUTER SCIENCE	Python Programming recap and project work Syntax Functions Iteration Indentation Working with numbers Mini programming challenges and project Applying computational logic with software – linking it to reality	Problem-solving and creating solutions Computational thinking skills and more advanced computational logic Writing and solving algorithms with the software: Flowol and Logic Gate Simulator	Cyber security Building a mobile phone app	LEGO Spike Tournament https://hourofcode.com/uk VEX Robotics https://electronics.howstuffworks.com/tech https://www.bbc.co.uk/bitesize/subjects/zvc9q6f	The first to die at the end by Adam Silvera I love Ada by Julia Gray
FOOD & NUTRITION	Bread - ingredients in bread, yeast, bread making. British food and organics Diet related diseases Waste food Seasonality	Indian cuisine - foods reared, caught and grown in India, equipment used, traditional dishes made and they will cook various Indian dishes Food Safety - food safety, food poisoning	Chinese cuisine - foods reared, caught and grown in China, equipment used, traditional dishes made and cook various Chinese dishes Italian dishes - food reared, caught and grown in Italy, equipment used, traditional dishes made and cook various Italian dishes	Cooking at home Visit Newcastle Grainger market (lots of different food from around the world to try) Watching food programmes such as Masterchef and Bake off Food festivals such as Seaham	A Pho Love story - Loan Le Hungry Hearts: 13 Tales of food and love - edited by Elsie Chapman Cook books Magazines such as Good Food and Olive How food works: Publisher DK
DESIGN TECHNOLOGY	Advanced Drawing Skills Autodesk; Isometric; Crating; Rendering Design Ideas	Design development	Making and evaluation	- Discovery Museum - Grand designs TV programme - The repair shop TV programme - Locomation - Shildon	Engineers making a difference - Dr Shini Somara The Design Book: Big Ideas Simply Explained (DK Big Ideas)- Publisher DK 20th Century Design - Catherine McDermott
PE	Sports covered across the year: Orienteering, Badminton, Rugby, Netball, Football, futsal, Table Tennis, Rounders, Cricket, Athletics, Climbing, Fitness, Fitness testing & Sports Leadership. All classes will follow a core PE curriculum which covers a range of sports looking at a range of tactics and benefits. Students will also learn about some key elements of sport, including the importance of a warm up, basic sport psychology, and understanding how our body works.			There is a full array of Extra-Curricular Sports Clubs to get involved with throughout the year. After school clubs run from 3-3:45 every day, all students need is a PE kit and a drink. Clubs will focus on participation and introductions to the sport, while training or teams will focus more on competition and tactics. Opportunities: While we have strong links with a range of local sports clubs and teams, students are encouraged to find a local club to them for whatever sport they are interested in. PE staff can help guide students where needed.	



FRAMWELLGATE
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