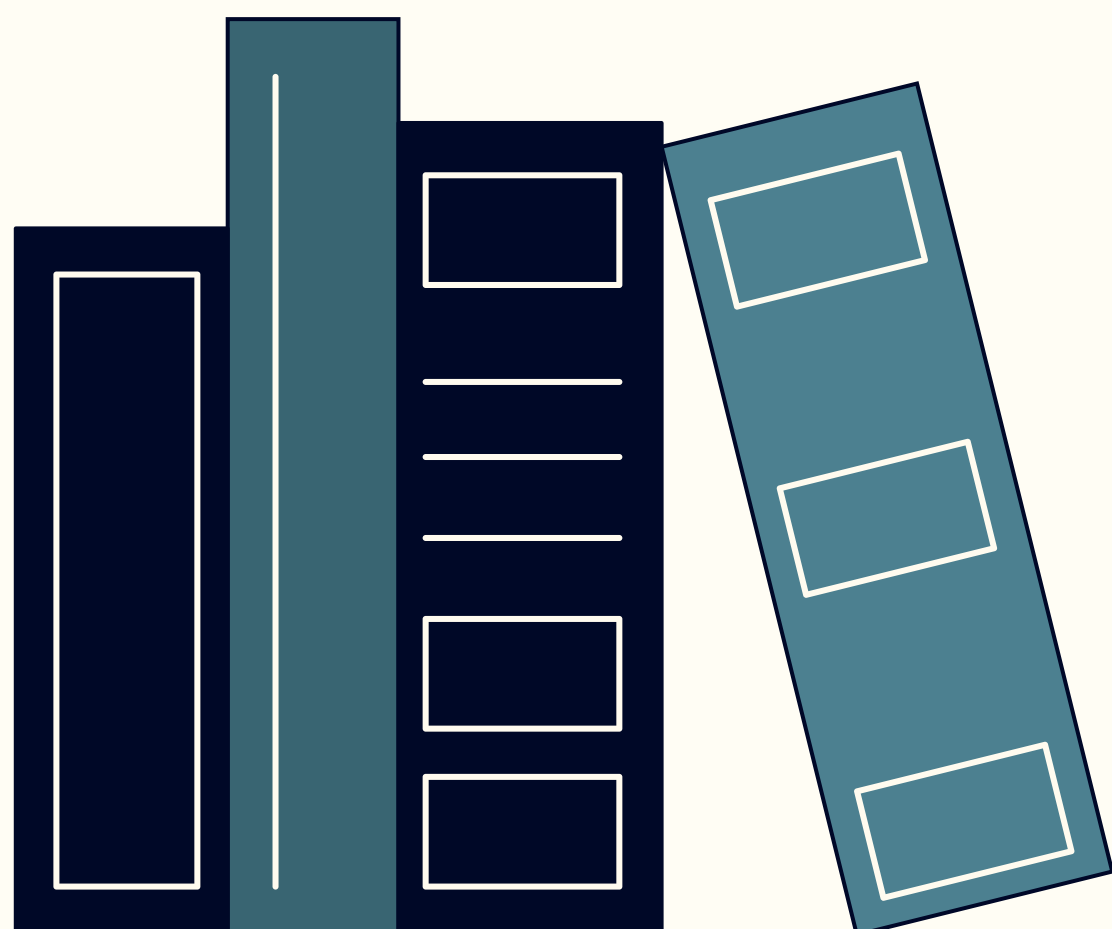


WHAT WILL MY CHILD BE LEARNING ABOUT IN SCHOOL?

YEAR 8



SUBJECT	TERM 1	TERM 2	TERM 3	'EXTEND LEARNING' OPPORTUNITIES	RECOMMENDED READS
ENGLISH	Gothic (poems and short stories) Students will explore Gothic conventions, before reading and analysing a range of texts to see these conventions in practice. Students will then use these conventions to craft their own opening to a Gothic short story.	Protest (The Door of No Return) Students will read The Door of No Return, exploring the atrocity of the slavery and oppression. Students will then practice using rhetorical devices to craft a persuasive piece of extended writing	Heroes and Villains (Othello) Building upon their introduction to Shakespeare from Year 7, students will explore conventions of an Aristotelian tragic hero and Machiavellian villain through analysing key extracts from Othello.	The Gothic British Library article: www.britishlibrary.cn/en/articles/video-the-gothic BBC Radio 4 'In Our Time' episode on the Gothic: www.bbc.co.uk/programmes/p0054792 Kwame Alexander reading from his novel: www.youtube.com/watch?v=vtWCaZ_30gY BBC Radio 4, 'In Our Time' episode on Frederick Douglass: www.bbc.co.uk/programmes/b09qb0kc RSC Learning Zone: www.rsc.org.uk/shakespeare-learning-zone/othello	Rebecca - Daphne DuMaurier The Woman in Black - Susan Hill Black Star - Kwame Alexander Small Island - Andrea Levy
MATHS	Percentages Money Indices Equations Sequences Ratio	Rounding Coordinates Area Circles Standard form Venn diagrams 3D shapes Surface area and volume	Linear graphs Transformations Angles Statistical diagrams Inequalities Brackets Algebraic fractions Recurring decimals	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.	Alex's Adventures in Numberland - Alex Bellos Can You Crack the Code? - Ella Schwartz The Simpsons and Their Mathematical Secrets - Simon Singh Maths on the Back of an Envelope - Rob Eastaway Why Pi? - Johnny Ball
SCIENCE	8.1 Ecology: Aerobic and anaerobic Respiration; Effects of exercise; Photosynthesis; Structure of a leaf 8.2 Matter: Atoms, elements and compounds; Periodic table 8.3 Electromagnets: Magnets; Magnetic fields; Electromagnets 8.4 Energy: Simple machines; Energy stores; Work done; Heat transfer	8.5 Organisation: Breathing and gas exchange; Healthy diets; Digestive system 8.6 Forces: Resultant forces; Hooke's Law; Pressure 8.7 Genetics: Variation; Natural selection; Extinction; Biodiversity; Inheritance Earth chemistry.	8.8 Reactions: Combustion; Thermal decomposition; Displacement; Catalysts 8.9 Waves: Transverse and longitudinal waves; Sound; The Ear; EM waves 8.10 Earth: Earth's atmosphere; Carbon cycle; Greenhouse effect; Reduce, reuse and recycle; Life cycle assessments	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 A Life on Our Planet by David Attenburgh
FRENCH	Past holidays: Students will be introduced to the perfect tense to talk about their past summer holidays . They will use a range of regular past participles as well as high-frequency irregular past participles . They will talk about where they went, what they did, and what the weather was like .	Free-time activities: Students will build on what they learned in Year 7 and start to talk about what they do online . They will recap and consolidate their understanding of the formation of regular -er verbs in the present tense . Students will then build on their knowledge of infinitive verbs from Year 7 and pair them with common opinion phrases to form infinitive constructions when talking about what music they like to listen to and what books they like to read . TV and film: Students will learn to talk about what TV programmes and films they watch, which will lead into a film study of Les Choristes . Students will watch the film and analyse the characters , consolidating knowledge of personality and physicality descriptions from Year 7, and learning how to form comparative structures .	Customs and festivals: Students will learn about a range of customs and festivals in French-speaking culture, including Les Jeux de la Francophonie and La Fete Nationale (Bastille Day) . They will recap the perfect tense to talk about what they have done to celebrate birthdays in the past .	Les Choristes, The Illusionist, Savages (2024), Asterix: The Secret of the Magic Potion(2018), The Jungle Bunch 2: World Tour(2023), Kirikou et la sorcière (Kirikou And The Sorceress)(1998), Boule Et Bill (Boule & Bill)(2013)	Le Petit Nicolas - René Goscinny, Les Sisters (Graphic Novel Series), Détective Prout: L'énigme de la dame en violet, Comment dresser votre dragon Tout savoir sur Harold Et Les Dragon - Cressida Cowell (Auteur)
GEOGRAPHY	North America - Students study how tectonic hazards can cause problems for people and the environment with a focus on the San Andreas Fault . They explore how the world has become more connected through globalisation and what this means for different employment sectors. They look at how companies such as Apple and McDonalds have grown as a result and their impacts both positively and negatively on surrounding areas.	South America: Students explore the diverse biome of the Topical Rainforest . Here they look at how plants and animals are adapted to this climate, how the Yanomami tribes live as well as the present day issue of deforestation . Following this, they explore one of South America's key feature - the Amazon River . Following this from source to mouth they study how meanders are created along the river.	Local dimensions: Geography returns to our doorstep when students study how the local area is shaped by human and physical processes. We start along Durham's Heritage coastline and study the erosional processes that shape our land and how this area is at risk to increased flooding and erosion in the future. We then explore non-renewable energy and how a local village has developed due to coal mining before considering the need for renewable energy in the future. Students are then able to see geography in the field when we do a fieldwork project exploring microclimates around the school site.	Documentaries North America - (Earthquakes) https://www.youtube.com/watch?v=t1b9MpGUcs8 South America (Our Planet - Jungles) https://www.bbc.co.uk/player/episode/b0074tgb/planet-e-art8-jungles Local Dimension - (The UK's disappearing coastline) https://www.youtube.com/watch?v=XNXGqCCajhQ Research Task To widen and develop your geographical understanding of processes and your place based knowledge of the world create a case study of a recent earthquake event.	Earth shattering earthquakes Swimming against the storm Life of Pi
HISTORY	The Industrial Revolution c1760 – c1840 Economic transformation Life in Victorian England 1837 – 1901 Social consequences of industrialisation	The Era of the First World War c1900 – 1918 Causes of war and impact Inter-war years 1918 – 1939 Rise of dictatorships, backdrop to World War 2	Second World War 1939 – 1945 Impact of war, key turning points The Jewish Experience and the Holocaust 1933 – 1945 Escalation of persecution	Site visits that relate to our curriculum. 1. Durham Castle and Cathedral 2. Free museums such as The Discovery Museum in Newcastle, Durham Story or Locomotion in Shildon. 3. Paid for museums such as Beamish or Hartlepool Historic Quay. There is a vast array of documentary series to watch on iPlayer or YouTube, on almost every era of history, including ones which focus on the Industrial Revolution, the Victorian Age, the First World War, the Second World War and the Holocaust.	Historical Fiction for each era / term 1) 1. Victorian England: Oliver Twist by Charles Dickens 2 2. First World War: Private Peaceful by Michael Morpurgo 3. Second World War / Holocaust: Number the Stars by Lois Lowry
RELIGIOUS STUDIES	The Problem of Evil This topic builds on students' knowledge of philosophy (from Year 7) but focuses on the concept of suffering in the world and God's role in this (Augustinian Theodicy, Irenaean Theodicy and The Inconsistent triad)	A religion without a leader. We explore the early Church and the role of the earliest apostles in shaping what is now the world's biggest religion.	Being a member of a religion today (Judaism) Students explore a different monotheistic religion that will be included in their GCSE course. This is a basic introduction to the religion that includes both beliefs and practices.	1. Oriental Musuem in Durham (throughout the year they have exhibitions and activities celebrating different religious festivals) 2. Durham Cathedral 3. Newcastle Reform Synagogue	'I am Malala' by Malal Yousafzai 'Hope in a Ballet Shoe' by Michaela and Elaine DePrince
ART	Artists record their observations: observational drawing, compositions, colour theory, developing ideas, creating outcomes	Artists try to change the world: artist research, typography, creating responses, colour theory, design process, creating an outcome	Artists develop ideas: tonal drawing, proportions of the face, artist influence, symbolism, developing ideas, creating outcomes	https://thisisfsdartanddesign.weebly.com/extended-learning.html	https://thisisfsdartanddesign.weebly.com/ks3-reading-list.html
MUSIC	Programme Music Pupils listen to, analyse, perform and compose music which tells a story or describes things.	Blues, Ragtime, Jazz, Pop & Dance Pupils study the core elements of music, keyboard skills and popular music history through these genres. Now! That's What I Call Music Students study current chart/ Top 40 music with a focus on reading notation and keyboard skills.	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. "The rise of bedroom producers: how youth shape music's future" Publication: The Independent Summary: Young artists create hit music from home studios worldwide. Link: https://www.independent.co.uk/arts-entertainment/music/bedroom-producers-youth-music-industry-b2319887.html 2. "How TikTok is changing the music industry" Publication: BBC News Summary: Viral TikTok clips reshape music discovery and artist success. Link: https://www.bbc.co.uk/news/entertainment-arts-60443399
DRAMA	Developing drama – status, subtext and tension	Exploring empathy – showing how we feel	Using drama – from social media to slapstick	Theatre visits Joining extracurricular drama groups	The Tempest by William Shakespeare
COMPUTER SCIENCE	Inside Your Computer Binary number Computer components User interfaces Computing careers Threats against a computer system Encryption Designing an app	Analysing Data Real world data Spreadsheet data analysis and graphs Boolean logic Databases Advanced flowcharts Flowgorithm software	Python Programming Syntax Functions Iteration Indentation Working with numbers	LEGO Spike Tournament https://hourofcode.com/uk VEX Robotics https://electronics.howstuffworks.com/tech https://www.bbc.co.uk/bitesize/subjects/zvc9q6f	Terror Kid by Benjamin Zephaniah Girl Code by Andrea Gonzales
FOOD & NUTRITION	Food, Nutrition and Health - Proteins, carbohydrates, fats, life stages, energy balance Food Science - shortening	Food Nutrition and Health - vitamins, minerals, nutritional analysis, labelling Food choice - costing, allergies and intolerances Food Science - aeration	Food Choice - sensory evaluation and testing, different cuisines	1. Cooking at home 2. Visit Newcastle Grainger market (lots of different food from around the world to try) 3. Watching food programmes such as Masterchef and Bake off 4. Food festivals such as Seaham	1. Pizza, love and other stuff that made me famous -Kathryn Williams 2. Hungry Hearts : 13 tales about food and love edited by Elsie Chapman 3. Cook books 4. Magazines such as Good Food and Olive 5. How food works: Publisher DK
DESIGN TECHNOLOGY	Drawing Skills Single Point Perspective Two-Point Perspective Cross Sections Exploded Drawings Working with Timber	Materials and Processes New and Smart Materials; Metals; Scales of Production 3D Printing: Vacuum Forming Working with Timber continued	Travel Game (design and creation) Packaging: 2D Design; Design Skills	1. Discovery Museum 2. Grand designs TV programme 3. The repair shop TV programme 4. Locomotion - Shildon	1. Engineers making a difference - Dr Shini Somara 2. The Design Book: Big Ideas Simply Explained (DK Big Ideas)- Publisher DK 3. 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.			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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