Year 8

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|  | **Autumn** | | **Spring** | | **Summer** | |
| Subject | **1st Half Term** | **2nd Half Term** | **1st Half Term** | **2nd Half Term** | **1st Half Term** | **2nd Half Term** |
| English | Gothic Genre  What are the conventions of the gothic genre and how can I identify this in texts? | Play of Dracula  How is tension and drama built throughout the play? | Boy in the Striped PJs  Why is it significant that the reader is encouraged to feel aligned with Bruno without the story being told from his perspective? | Boy in the Striped PJs  What do we learn about ourselves through stories? | Poetry and texts from modern history  How is a text influenced by the social and historical context? | Shakespeare- The Tempest  How has culture developed over time? |
| Reading | NGRT  Reading a Century  Can you challenge yourself to read 100 pages? How many times can you do this before October half term? | Challenging Authors  Which author are you going to challenge yourself with this half term? | Book Project  Can you produce an outstanding book project and present to your class before February half term? | Non-Fiction Challenge  Which exciting non-fiction texts will you devour this half term? | Classics Challenge  Can you tell your teacher about a classic book you have read this half term and if you think it deserves that status? | Class Challenge  Can your class rise to the challenge? Look in the library to see how the competition are doing! |
| Maths | Ratio and scale; Multiplicative change; Multiplying and dividing fractions | Working in the Cartesian plane; Representing data; Tables and probability | Brackets, equations and inequalities; Sequences; Indices | Fractions and percentages; Standard index form; Number sense | Angles in parallel lines and polygons; Area of trapezia and circles; Line symmetry and reflection | The data handling cycle; Measures of location |
| Science | Forces: Contact forces and pressure  What effect do forces have on objects? How are friction and drag produced and what effect do they have on objects? How are forces involved in pressure, floating and sinking?    Matter: Periodic table and elements  How are elements organised in the periodic table? What is the difference between elements and compounds? How can simple models be used to represent the building blocks of all materials? | Organisms: Breathing and digestion  What is the structure and importance of the breathing system? What is a healthy diet and why is it important? What is the role of the digestive system?    Electromagnets: Magnetism and electromagnetism  How can a magnetic field be represented? What effect do magnets have on magnetic materials? What is an electromagnet and where are they used in everyday life? | Reactions: Chemical energy and types of reaction  What are exothermic and endothermic reactions? What are catalysts? How can combustion change the atmosphere?      Ecosystems: Respiration and photosynthesis  What are the reactants and products for aerobic respiration, anaerobic respiration and photosynthesis? | Ecosystems: Respiration and photosynthesis  What are the reactants and products for aerobic respiration, anaerobic respiration and photosynthesis?    Energy: Work and heating and cooling  How is work done on an object and what happens as a result? How can machines be used to make work easier? What does the thermal energy of an object depend upon? | Energy: Work and heating and cooling  How is work done on an object and what happens as a result? How can machines be used to make work easier? What does the thermal energy of an object depend upon?    Earth: Climate and Earth resources  How and why does nature constantly recycle materials such as carbon? How has Earth’s atmosphere changed over time? How are we currently using the Earth’s resources and how can we make meaningful changes to this? | Genes: Evolution and inheritance  What is the theory of evolution? What is biodiversity and why is it important for maintaining populations? How can DNA determine our features?    Waves: Wave effects and wave properties  How can waves have an effect on living cells? How can models be used to represent waves? |
| Computer Science | Computer Hardware    What are the key internal components of a computer system and what are their main functions? | Intermediate Python Programming    How do you output strings, numbers, use variables and make decisions using operators and if statements? | Data Representation: Hexadecimal Number System    What is hexadecimal? Why is hexadecimal useful? How do you convert from denary to hexadecimal and vice versa? How do you convert from binary to hexadecimal and vice versa? Why do computer programmers prefer hexadecimal? | Database Development    What is a database and why do organisations use them? What are the steps in the development of a relational database? What is SQL and how is it used for storing, manipulating and retrieving data in databases. | Programming with HTML and CSS    What makes a good web design and how can HTML and CSS be used to develop web pages? | App Development    How can you develop a mobile App? |

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| History | Development of  Church, State and  Society    How did the authorities keep control? | Early Empires and the development of Slavery 1500-1833  What was the impact of the Spanish takeover of the Aztec Empire?  How did the trans-Atlantic slave trade develop? | Industrial Britain  How much did Britain change as a result of the Industrial Revolution? | Industrial Britain  How much did Britain change as a result of the Industrial Revolution? | The British Empire  Was the British Empire a force for good in Britain and around the world?  Why was slavery abolished? | Democracy and Suffrage  How did ordinary people gain the right to vote? |
| Geography | Natural Hazards  *How does tectonic activity affect people and the environment?*  Investigating earthquakes, volcanoes, tsunamis and the processes that cause these hazards. | Human Planet    *Are there too many people on our planet?*  Investigating how population affects us as humans, and the planet we live on.  (Includes fieldwork) | East Africa/ Arabian Desert comparison  *How are the people of East Africa influenced by the physical geography of the region?*  Investigating these locations in a comparative study of the physical and human geography of the areas. | Climate change  *How are humans influencing the climate of our planet?*  A major unit on the science and impacts of climate change, including adaptation and mitigation strategies. | Making the landscape  *How are humans influencing the climate of our planet?*  A study of features of deposition. Includes coastal, fluvial and glacial deposition. | Making the landscape  *How are humans influencing the climate of our planet?*  A study of features of deposition. Includes coastal, fluvial and glacial deposition. |
| French | My hobbies: TV, film and reading  Qu’est-ce que tu aimes regarder et lire?  What do you like to watch and read? | Music & technology  Comment est-ce que tu utilises la technologie?  How do you use technology? | Virtual trip to Paris  C’est comment, Paris?  What’s Paris like? | Relationships with family and friends  Tu t’entends bien avec ta famille?  Do you get on well with your family? | Holidays  Tu vas où en vacances?  Where do you go on holiday? | Festivals in France  Quels sont les fêtes importantes en France?  What are the important celebrations in France? |
| German | Krimis  Was hast du gemacht? (What have you done?)  Language (Themes / Topics / Vocab):   * Past tense – saying what you did / have done in the past * Past tense – talking about what other people did / have done in the past * Describing the Weather * Telling the Time * Descriptions of people (looks / character)   • Clothes / Describing clothes  • Using this language creatively to describe a crime scene and a suspect | Krimis  Was hast du gemacht? (What have you done?)  Language (Themes / Topics / Vocab):   * Past tense – saying what you did / have done in the past   • Past tense – talking about what other people did / have done in the past  • Describing the Weather  • Telling the Time  • Descriptions of people (looks / character)  • Clothes / Describing clothes  • Using this language creatively to describe a crime scene and a suspect | Gute Reise  Was hast du gemacht? (What have you done?)  Language (Themes / Topics / Vocab):   * Past tense – saying what you did / have done in the past * Past tense – saying where you went / have been * Describing a journey – transport – how you got there * Describing a journey – what you did on the journey * Describing the Weather * Telling the Time * Opinions – Meiner Meinung nach war das . . . * Using this language creatively to describe a real or made-up journey | Gute Reise  Wie war dein Urlaub? (How was your holiday?)  Language (Themes / Topics / Vocab):   * Past tense – saying what you did / have done in the past * Past tense – saying where you went / have been * Describing a journey – transport – how you got there * Describing a journey – what you did on the journey * Describing the Weather * Telling the Time * Opinions – Meiner Meinung nach war das . . . * Using this language creatively to describe a real or made-up journey | Gesundheit  Wie war dein Urlaub? (How was your holiday?)  Language (Themes / Topics / Vocab):   * Parts of the body * Illnesses / injuries / problems * Sport * Healthy and unhealthy free-time activities * Healthy and unhealthy food and drink   Writing a short story in German based on "Die kleine Raupe Nimmersatt". | Gesundheit  Was ist los mot dir? (What's the matter with you?)  Language (Themes / Topics / Vocab):   * Parts of the body * Illnesses / injuries / problems * Sport * Healthy and unhealthy free-time activities * Healthy and unhealthy food and drink   Writing a short story in German based on "Die kleine Raupe Nimmersatt". |
| P.E. | Outwitting opponents; Football; decision making, replicating skills, applying techniques. & Health & Fitness (XC).  Why is pacing important? (XC) | Outwitting opponents; Rugby; decision making, replicating skills, applying techniques. & Health & Fitness (XC).  How can you influence a competitive game? | Health & Fitness,  Net and wall, Dance; develop practical and theoretical skills; 3 components; choreography, performance & appreciation.  What are the short term effects of exercise? | Health & Fitness,  Net and wall, Dance; develop practical and theoretical skills; 3 components; choreography, performance & appreciation.  Can you explain the rules and scoring systems for net and wall games? | Athletics, Net and  Wall, Strike & Field;  Replicate forehand, backhand & volleys. Experience events that require evaluation of body parts and refine techniques.  Explain the technique of a wide range of athletic events? | Athletics, Net and  Wall, Strike and Field;  Make effective evaluations of strengths and weaknesses in performance. Develop fundamental core skills; bat, bowl and field.  What are the basic tactics for strike and field events? |
| 3D Design | Health and Safety Introduction  Why is it important to follow the rules in the workshop? | Key Tag  How do you cut and shape plastic? | 2D Design “The Basics”  What is CAD? How do we use it? | Desk Light  How do you drill a hole safely? | Desk Light  How can you make a circuit for a LED light? | Drawing Skills  What is three tonal rendering and why would you use it? |
| Food Tech | Health & Safety and Hygiene Introduction  Why is personal Hygiene important in the kitchen? | Healthy foods and the eat well plate  What do the different nutrients do for the human body? | Weighing, measuring and Baking  When Baking why is it important to maintain the correct ratio’s? | The Great Scone Experiment  Explain how one recipe can be adapted to make sweet or savory products? | Introduction to pastry  Why are there different types of pastry? Can you name there properties? | The Great Eskdale Bake off!  Which three methods do we use to bake products? |
| Drama | The Latecomer  How can you use drama skills to help support friends in need?  Skills   * Devil and angel * Forum theatre * Defining space * Mirroring * Puppetry | Status with movement  How can you show status in performance through a range of physical skills?  Skills   * Voice * physicality * master/servant * mask work   proxemics | Two Monsters  How can different perspectives affect a character’s story in performance?  Skills   * Body language * facial expression * use of voice * mime * freeze frame * movement * empathy   narration | The Terrible Fate of Humpty Dumpty  How do our actions and that of others encourage or prevent bullying? How do groups of people act and react according to different situations?  Skills   * script work * freeze frame * improvisation * flashback * hot seating * voice * physicality   discussion | The Terrible Fate of Humpty Dumpty  How do our actions and that of others encourage or prevent bullying? How do groups of people act and react according to different situations?  Skills   * script work * freeze frame * improvisation * flashback * hot seating * voice * physicality   discussion | Titanic  How does social class and crew responsibility affect the lives of others?  Who is to blame?  Skills   * Creating characters * Empathy * Gesture * Voice * Status   thought tracking improvisation |
| Art | African Art  How does African culture influence their art? How can we use simple materials to construct 3D outcomes? | African Art  How does African culture influence their art? How can we use simple materials to construct 3D outcomes? | Developing Traditional Skills   * Can you use traditional skills to explore FRUIT? Can you apply the formal elements? | Developing Traditional Skills  Can you use traditional skills to explore FRUIT? Can you apply the formal elements? | Independent Project   * Can you use art skills to run an Independent Project | Independent Project   * Can you use art skills to run an Independent Project |
| PTE | What influenecs Buddhists' ways of living?  Intro to Buddhism  The Four Sights  Middle Way  Noble Eightfold Path  Death and prayer flags  Assessment | Which religious rules do Muslims live by?  Five Pillars – Sadaqah  Five Pillars – Salah  Five Pillars – Zakah  Five Pillars – Sawm  Five Pillars – Hajj  Meals modesty for Muslims | What is a human?  What makes you, you?  Human worth  Are humans special?  Purpose of life  How free are we?  What future? | What good does religion do?  What difference does having a faith make?  What good comes of going to a place of worship?  What codes of living are important to people?  How does Buddhism help people to live a good life?  Does religion always lead people to be good?  Does religion always lead people to be good? | Can people express the spiritual through the arts?  What is spirituality?  Christian Art  Muslim Art  Sand mandalas  Klazmer music  Create art work | Do we need religious buildings to be good?  Should religious people do more?  Mosques  Gurdwara  Jesus in face of poor  Assessment |
| Music | The Blues  Is the blues  style of music  applicable to  today’s  music?  Skills   * Playing a Blues scale * Keyboard   Skills   * Using   the backing  chords and  styles   * group   performance | Ukulele & guitar  Which is a better  accompanying  instrument - ukulele or  guitar?  Skills  \*strumming  \*reading and playing  chords  \*changing chords and  strumming patterns  \*Accompanying a  soloist (singer/  instrumentalist) | Ground Bass  Which type  of cannon  fires  melodies?  Skills   * Performance:   Ensemble skills   * maintaining   an individual  part   * Reading   music   * Playing an   instrument   * Introduction   to garage  band | What is the difference  between a riff and a  hook?  Skills  \*reading notation  \*performance and  paired work  \*composition  \*keyboard skills  \*writing notation  \*playing by ear | Musical  Theatre  What makes  musical  theatre  popular  today?  Skills   * Keyboard skills,   using the  backing chords  and styles   * Singing * Appraising * Performance | How do you identify  and play different  styles of pop music?  Skills  \*reading notation  \*keyboard skills using  the backing chords  and styles  \*singing  \*appraising  \*performance |