

# YEAR 8 - AUTUMN TERM

## 1ST HALF

## 2ND HALF

### ENGLISH

*Autumn 1 - Contemporary novel*

*Focus on exploring language and structure.  
At least two extended pieces of writing.*

*Noughts and Crosses*

*Autumn 2 - Poetry from other cultures*

*Skills development for unseen poetry unit at GCSE. At least 3 unseen poems to be explored, and one piece of extended writing using a poem as stimulus.*

*Exploring a range of poems from old GCSE anthology (Limbo, Half-caste, Presents from my Aunt ..., Scavengers...etc.)*

*End of term test: AQA KS3 Sample Paper*

### MATHS

Algebra 2

Equations and Form

G & M 2

Measures and Mensuration

Year 8 End of Term Test

Algebra 1 and 3

Sequences, Functions and Graphs

Number 1

Integers, Powers and Roots

G & M 1

Lines, Angles and Shapes

Construction

Statistics 1

Probability

Number 2

Fractions, Decimals and Percentages

<p><b>SCIENCE</b></p>	<p>Gas exchange systems Structure and functions of the gas exchange system in humans, including adaptations to function.</p> <p>Mechanism for breathing to move air in and out of the lungs, using a pressure model to explain the movement of gases, including simple measurements of lung volume.</p> <p>The impact of exercise, asthma and smoking on the human gas exchange system.</p> <p>Cellular respiration Aerobic and anaerobic respiration in living organisms, including the breakdown of organic molecules to enable all the other chemical processes necessary for life.</p> <p>A word summary for aerobic respiration</p> <p>The process of anaerobic respiration in humans and micro-organisms, including fermentation, and a word summary for anaerobic respiration.</p> <p>The differences between aerobic and anaerobic respiration in terms of the reactants, the products formed and the implications for the organism.</p>	<p>Photosynthesis Dependence of almost all life on the ability of photosynthetic organisms such as plants and algae to use sunlight in photosynthesis to build organic molecules that are an essential energy store and to maintain levels of oxygen and CO<sub>2</sub> in the atmosphere.</p> <p>Adaption of leaves for P Word summary for photosynthesis – reactants/products</p> <p>Nutrition and digestion Content of a healthy diet: carbohydrates, lipids (fats and oils), proteins, vitamins, minerals, dietary fibre and water, and why each is needed.</p> <p>Calculations of energy requirements in a healthy diet.</p> <p>Consequences of imbalances in the diet, including obesity, starvation and deficiency diseases.</p> <p>The tissues and organs of the human digestive system, including adaptations to function and how the digestive system digests food (enzymes simply as biological catalysts).</p> <p>The importance of <b>bacteria</b> in the human digestive system.</p>
<p><b>HISTORY</b></p>	<p>Travel in the Middle Ages: <b>The Arab World</b></p> <p>Crusades – <b>reasons/outcomes.</b></p> <p>Travel journal of an Arab trader</p>	<p>The Tudor Religious See-saw. Study of Tudor monarchs – <b>Characters, Key Events.</b> Henry VIII – <b>was he a bully?</b></p> <p>Crusaders / leaders – who was the better – source guided comparative essay Plan, evaluate, edit writing – adding historical reasoning</p>

GEOGRAPHY	Glaciation - Hydrology – Coasts Erosion, timescales – Physical Geography	Glaciation - Hydrology – Coasts Erosion, timescales – Physical Geography
<u>RE</u>	<u>Exploring the Life of Jesus</u>  Focusing on his life, teachings and significance	Continuing to explore the Life of Jesus
ICT	Webplus (web design module)	Software (tools for presentation)  Lessons or core knowledge of copyright (data protection).
FRENCH	Descriptions (self/3 <sup>rd</sup> person) 1 module Family tree Physical/personal descriptions Describing where you live Pets	Daily routine – 2 lessons  (Hobbies/plans) Stand alone module Past tense

PE	<p>Use range of tactics and strategies to overcome opponents, competitively, (outwitting opponents).</p> <p>Applying skills and tactics</p> <p>Developing ideas and performance through team sports and outdoor adventurous activities</p>	<p>Problem Solving – Take part in OAA, team building.</p> <p>Applying skills and tactics</p> <p>Developing ideas and performance through team sports and outdoor adventurous activities</p>
ART	<p>Observational drawings</p> <p>Personal objects.</p> <p>Orthographic projections</p>	<p>3D drawings – progressing to toned and scaled designs.</p>
DT	<p>Investigation – personal technology</p> <p>Research into modern personal objects.</p>	<p>Comparisons of research found</p> <p>Exploration of group and class findings</p>
FOOD TECHNOLOGY	<p>Parties and Celebrations</p> <p>Food practicals to include dishes suitable for a party to suit chosen occasion. e.g. Pizza, Quiche, Kebabs, Choux pastry.</p>	<p>Parties and Celebrations</p> <p>Food practicals to include dishes suitable for a party to suit chosen occasion. e.g. Pizza, Quiche, Kebabs, Choux pastry.</p>

<b>MUSIC</b>	Journey into Space <ul style="list-style-type: none"><li>• The Planet Suite - Holst</li></ul>	Journey into Space <ul style="list-style-type: none"><li>• The Planet Suite - Holst</li></ul>
<b>CITIZENSHIP</b>	Understand the rules, laws and the justice system, including the role of the police and the operation of courts and tribunals.	
<b>GEOGRAPHY</b>		