

YEAR 8 - AUTUMN TERM

	1ST HALF	2ND HALF
ENGLISH	<p>Shakespeare - 6- 7 weeks Study one of Shakespeare's plays Focus on plot, character and context Group collaboration on a group presentation - Use Standard English confidently in a range of formal and informal contexts</p> <p>www.shakespeare.org.uk www.shakespearesglobe.com www.bbc.co.uk/history/people/william_shakespeare</p>	<p>The Novel - 6 weeks (Social Issues/Other Cultures) Writing Focus – looking at context and style</p> <p>Poetry from other Cultures - 2 weeks Focus on language use - discuss use and meaning</p> <p>www.bbc.co.uk/programmes/p00vz01g/clips</p>
MATHS	<p>Algebra 2 Equations and Form</p> <p>G & M 2 Measures and Mensuration</p> <p>Year 8 End of Term Test</p> <p>Algebra 1 and 3 Sequences, Functions and Graphs</p> <p>www.bbc.co.uk/schools/ks3bitesize/maths www.mymaths.co.uk</p>	<p>Number 1 Integers, Powers and Roots</p> <p>G & M 1 Lines, Angles and Shapes Construction</p> <p>Statistics 1 Probability</p> <p>Number 2 Fractions, Decimals and Percentages</p>

SCIENCE

Gas exchange systems

Structure and functions of the gas exchange system in humans, including adaptations to function.

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.

The impact of exercise, asthma and smoking on the human gas exchange system.

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.

A word summary for aerobic respiration

The process of anaerobic respiration in humans and micro-organisms, including fermentation, and a word summary for anaerobic respiration.

The differences between aerobic and anaerobic respiration in terms of the reactants, the products formed and the implications for the organism.

www.bbc.co.uk/schools/ks3bitesize/science

www.scribermonkey.org

www.skool.co.uk/keystage3

www.docbrown.info/ks3science.htm

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 CO₂ in the atmosphere.

Adaption of leaves for P

Word summary for photosynthesis – reactants/products

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.

Calculations of energy requirements in a healthy diet.

Consequences of imbalances in the diet, including obesity, starvation and deficiency diseases.

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).

The importance of **bacteria** in the human digestive system.

HISTORY	Travel in the Middle Ages: The Arab World Literacy focus: diary of a trader Crusades – reasons/outcomes.	The Tudor Religious See-saw. Study of Tudor monarchs – Characters, Key Events. Henry VIII – was he a bully?
GEOGRAPHY	Human and Physical Geography People and the planet. Timescales/impact on the planet. Physical processes and influences.	Human and Physical Geography Coasts. Change of landscapes. Physical processes.
RE	Re-explore – Christianity – The life of Jesus from birth to resurrection In depth study of his life and times e.g. what did he look like? Mary's diary.	Re-explore – Christianity – The life of Jesus In depth study of his life and times e.g. what did he look like? Mary's diary.
ICT	Webplus (web design module)	Software (tools for presentation) Lessons or core knowledge of copyright (data protection).
FRENCH	Descriptions (self/3rd 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	Use range of tactics and strategies to overcome opponents, competitively, (outwitting opponents). www.yourschoolgames.com	Problem Solving – Take part in OAA, team building.

ART	<p>Observational drawings</p> <p>Personal objects.</p> <p>Orthographic projections</p> <p>Literacy focus: diary entry</p>	3D drawings – progressing to toned and scaled designs.
DT	<p>Investigation – personal technology</p> <p>Research into modern personal objects.</p> <p>Literacy focus: research report</p>	<p>Comparisons of research found</p> <p>Exploration of group and class findings</p> <p>Literacy focus: leaflet</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>
MUSIC	Exploring sounds, dynamics and instrumentation	
CITIZENSHIP	<p>Understand the rules, laws and the justice system, including the role of the police and the operation of courts and tribunals.</p>	