


# WHAT IS YOUR YEAR 8 CHILD LEARNING THIS HALF TERM?

<b>APEX</b>	In APEX, students will learn about mental health and the importance of balancing physical and mental well-being with the ability to perceive, judge everyday situations rationally and make sound decisions.	<b>ART</b>	In art, students will research and explore the work of Ernst Haeckel, Vincent Scarpace and Mandala Art. Experimenting and exploring pattern, texture as well as developing marking making techniques and processes.	<b>BIOLOGY</b>	In biology, students will investigate how traits are passed between generations and the different theories for how organisms change over time.	<b>CHEMISTRY</b>	In chemistry, students will learn how the Earth's atmosphere is changing, and seek to answer the question of how was it formed. Students will explore its development as well as what we predict for the future.
<b>COMPUTING</b>	In computing, students will learn about using hexadecimal numbers, how logic is expressed using truth tables and logic gates and how computers use standard algorithms for working with data.	<b>DESIGN &amp; ENGINEERING</b>	In design and technology, students will explore the responsibilities of engineers and designers in the development of sustainable solutions, whilst developing an aerodynamic design for a solar powered vehicle.	<b>DRAMA</b>	In drama, students will create and perform in their own silent movies.	<b>ENGLISH</b>	In English, students will explore diverse poems written throughout history and modern day to bring about change.
<b>FOOD &amp; NUTRITION</b>	In food preparation and nutrition, students will acquire a knowledge of food production, understanding the primary and secondary stages of processing food.	<b>GEOGRAPHY</b>	In geography, students will explore the cold environments of the world. Students will look at the challenges for both animals and humans to live in these cold environments. They will also consider energy available in these cold environments from renewable in Iceland to oil extraction in Alaska.	<b>HISTORY</b>	In history, students will study the origins of the Slave trade and its impact on people's lives in Britain, Africa and America.	<b>MATHS</b>	In maths, student will start to work with direct and inverse proportion. This will link back to their graphs work as they recognise the graphical forms for proportion. They will also work with algebraic representations of the information given.
<b>MFL</b>	In French and Spanish, students will talk about different types of food and mealtimes and describe their daily routine using reflexive verbs.	<b>MUSIC</b>	In music, students will learn to play the ukulele and keyboard creating music for different occasions and audience types. They will learn about how arrangements of music can be created to suit different performance environments.	<b>PE</b>	In PE, boys will take part in a range of sports including: cricket, athletics, softball and tennis.  Girls will take part in a range of sports including: cricket, athletics, rounders and tennis.	<b>PHYSICS</b>	In physics, students will study how sounds are made and heard, how we see light and colours and the effects of mixing coloured lights.
<b>RS</b>	In RS, students will continue to be Philosophers in their own right to analyse possible religious and non-religious answers to the question of 'What happens when we die'?						

We are delighted to share with you the subject-specific content that your child will learn during the next half term. We look forward to discussing your child's progress in all of their subjects at the progress evenings that will take place on **Thursday 7 May (X half) and Wednesday 13 May (Y half)**. Next half term we also begin our summer programme of extra-curricular activities, details of these can be found on our school website.