

## ICT

Year 7 will be engaging in cross curricular activities; developing their creative writing skills and writing a newspaper report as well as studying vector and bitmap graphics and using these skills to create a cartoon key frame animation. They will learn to paint with light and edit an image to create an advert.

Also simple coding and control; using software to create simple shapes to design and create their own game.

Year 8 will be focusing on web design. Pupils will use search engines to gather information regarding Guy Fawkes and design their own 10 page website fact file on the historical event. Pupils will evaluate their completed website and create a web space scrapbook to evidence changes made and resources used.

Year 9 continue to develop their coding skills and will move onto complex coding such as binary and Caesar coding to create their own websites, games and advanced animation. They will study data types, look at 'big data' and create their own usable database to create reports, forms and queries.

Year 10 are developing their knowledge in preparation for their ICT exam; their knowledge of Malware and Social Engineering and understand the difference between white, black and grey hat hacking and the implications of DDoS attacks. Additionally learning about environmental, physical and system vulnerabilities, and how to mitigate risks.

Year 11 start their 20 hour ICT coursework. The pupils have between the end of December and March to complete all assessment tasks that cover spreadsheets and the use of complex formula, using a database to mail merge and integrate client information and graphic design to promote a business. The pupils will be expected to run this like a project, so will have to create their own plan and complete feasibility reports and evaluations following each phase.

## English

Year 7 Reading: The Butterfly Lion by Michael Morpurgo

Writing: The Night

Year 8 Reading: Stone Cold by Robert Swindells

Writing: Autumn

Year 9 Reading: Ghost Boys by Jewell Parker Rhodes

Writing: Winter

Year 10 Finishing DNA by Dennis Kelly and starting the Power and Conflict poetry.

Year 11 A Christmas Carol by Charles Dickens



**ROSEWOOD SCHOOL**

WORKING TOGETHER TO ACHIEVE MORE

## Curriculum Bulletin

### Art

KS2 are looking at Landscape artists; John Constable (painted realistic landscapes to look like photographs) and David Hockney, (used unrealistic colours and abstract style so his paintings look more like landscapes from other planets.) We will experiment with media to create studies and finish this unit creating a clay tile landscape in the style of Hockney.

Year 7 will be looking closely at observational studies of Autumn leaves and create watercolour paintings, stain glass windows and a clay leaf dish, on which they will glaze to decorate.

Year 8 due to missing lessons for swimming, are slightly behind on their unit of work so this term will be finishing off their Egyptian studies and making Egyptian Canopic jars using clay and glazing to decorate.

Year 9 are looking at the artist Vincent Scarpace and using different media in his style, they will be experimenting with black/white patterns, soft pastels, water colours and acrylic paints on canvas.

Year 10 (GCSE) will be developing their first units of coursework - having chosen their coursework title, they will be experimenting with different media, using photography, observational studies, and creating studies in the styles of their chosen artists.

Year 11 (GCSE) are working on their final coursework board after developing works in the styles of several chosen artists. This final board will be students' final study in this unit and shows how their chosen artists have influenced this final piece. Students will be using their own ideas and chosen media and will complete their coursework write-ups in preparation for the release of their GCSE Examination paper in January.

### Project

This half term the boys are concentrating on cladding the external walls of the new classroom they have built. They will also be adding windows and doors to the structure ready for electrics to be installed over Christmas.

## KS2

This half term KS2 are focussing on the topic of the Lake District. We will be using maps to find areas of the region and to identify features of the area and comparing them to the area that we live in. We will also be considering what positive and negative effects tourism is having on the Lake District. For literacy we will be looking at persuasive writing and creating our own advert to persuade people to visit the Lake District. In Science, KS2

### Geography

Topic for this term: Coastal

This topic describes and explains the physical processes at work on the coast:

Weathering (mechanical, chemical, biological), mass movement (sliding and slumping), erosion (abrasion, hydraulic action, attrition and solution), transport (traction, saltation, suspension, solution and long shore drift) and deposition.

The influence of geological structure:

(concordant/discordant, joints and faults), rock type (hard/soft rock) and wave action (destructive and constructive waves) on landforms.

UK's weather and climate (seasonality, storm frequency and prevailing winds) affect rates of coastal erosion and retreat, and impact on landforms and landscape.

The role of erosional processes in the development of landforms: headlands and bays, caves, arches, cliffs, stacks and wave cut platforms.

The role of depositional processes in the development of landforms: bars, beaches and spits.

How human activities (urbanisation, agriculture and industry) have affected landscapes. Interaction of deposition and erosion

### Drama

In drama this half term, all years will be introduced to a new pantomime, Aladdin, which we are watching at Wolverhampton Grand Theatre at the end of term! We will be focusing on the key skills of melodrama and audience interaction while perfecting our performance as pantomime stock characters.

### History

Year 7 will be learning about The Norman Conquest with focus on the Feudal system, the Domesday Book and how life changed under the Normans, this continues chronologically from their learning of the Battle of Hastings in their last term. Year 8 will be learning about the Stuarts; a clear focus on The Gunpowder plot, which is has direct reference to Bonfire Night at this time of year. Year 9 are working on WW1, looking at how it began, what weapons were used and how this changed medicine to enhance their foundation of understanding for their GCSE in the following year. Year 10 are finishing up their medicine through time topic, working through the Medical Renaissance, 18<sup>th</sup> and 19<sup>th</sup> Century Britain, Modern Britain, and the case study of British sector of the Western Front.

### PE

Year 7 Basketball - Pupils will learn to choose, combine and perform basic basketball skills consistently applying fluency, accuracy and fundamental technical elements of the game.

Year 8 Outdoor adventurous Activities (Orienteering) – Pupils will develop the skill of problem solving and team work. Pupils will understand that different events demand different skill types and will be able to adapt their skills to the needs of the event.

Year 9 Football – Pupils will develop adaptation and refinement of skills that will contribute to producing an improved performance and outwit opposition more frequently.

Core PE: Year 10 Football – Pupils will use skills adaptation and refinement skills that will contribute to producing an improved performance.

Year 11 Basketball – Pupils to build on core skills and apply them in a range of competitive contexts. Pupils will be able to demonstrate a deeper understanding about healthy active lifestyles and fitness.

GCSE :Half of the year 10 cohort will be attending a rock climbing course, to count towards their practical grade, the other half will be refining their badminton skills. Year 11 will be attending an athletics centre to be recorded for their practical grade.

Theory work will be a focus for both years, looking at the anatomy of the human body and the importance different aspects have upon sporting performance.

### RE

Year 7 are continuing an 'Introduction to RE', looking specifically at elements of Christianity. They will look at baptisms, holy communions, beliefs about life and death and pilgrimages.

They have also been invited to Darkhouse Baptist Church on the 17<sup>th</sup> November to explore the church and learn more about baptisms and holy communion.

Year 8 will continue 'Life of Jesus' and will be looking at some of His miracles, importance of prayer, life after death and faith in God.

Year 9 will continue studying a 'History of Organised Religion' and will look at the spread of Christianity around the world, Norse belief system, Protestantism and Islam.

Year 10 will continue studying 'Religion, Peace and Conflict' and will look at the United Nation, Religious work for peace, Bullying, Suffering, Nuclear weapons and Holy war.

### DT

Key Stage 2 will test their egg protection carriers that they have designed and made in the egg drop and roll challenge.

Year 7 have completed the 'moves on water' design and make project and are about to undertake researching plastics.

Year 8 will complete the 'casting' project then move onto the 'desk tidy' project.

Year 9 are learning 3D design software Onshape and creating CAD models of everyday items. In Art/ DT they are making a life size Mary and Joseph for a Church display

Year 10 are exploring the 6 Rs and how it applies to good design.

Year 11 are working vigorously on their NEA challenge with some excellent prototypes beginning to form.

### PSHE

KS2 are looking at staying safe online and offline; focusing on firework safety and media awareness.

Year 7 are focusing on puberty and body development , they will be looking at how puberty affects both boys and girls.

Year 8 are focusing on law, crime and society; they are working on a desert island project where they have to come up with their own laws and religions and decide how best to fit in with a diverse society.

Year 9 are focusing on sex, the law and consent which includes STI's, contraception, FGM and a general understanding of sexual health.

Year 10 will focus on rights and responsibilities with a focus on consumer and employer rights, social media and personal finance.

Year 11 are revisiting sexual health and looking at fertility.

### Science

KS2 will be learning about animals including humans.

Year 7 have moved onto reproduction.

Year 8 are currently learning about health and lifestyle and will move on to ecosystem processes.

Year 9 GCSE Biology will be studying what happens in cells and the challenges of size.

Year 10 GCSE Biology are learning about ecosystems. GCSE Chemistry, they are studying about particles.

Year 11 GCSE Biology are learning about monitoring and maintaining the environment.

### Food Tech

This term KS3's focus has been on our baking skills, making dishes using the rubbing in and creaming method.

This half term we will incorporate the overload of fallen apples to make apple pies and crumbles, advancing on our baking skills from last half term.

Year 9 look at the effects of deficiency and excess within the diet and discuss how the dishes they make work within a balanced diet. Year 10 are ahead in their coursework so will begin to look at dietary requirements of different groups as well as advancing their culinary skills.

Year 11 explore environmental effects of dishes and begin to consider what dishes they will be cooking for their final piece.

All our dishes are looking at cooking on a low budget to help better understand how to eat well during the current climate.

### Maths

Year 7 are learning how to order, add and subtract negative numbers, factors and prime numbers and learning what a square number is.

Year 8 this half term will be covering powers, multiples and factors. Then begin to look at area and volume of shapes, developing on from their work with shapes last year and tackling more complex problems.

Year 9 are learning about angles, equivalent fractions, plans and elevations.

Year 10 will be recapping factors and working with algebraic equations, continuing to build upon the foundations they have already studied to tackle more complex equations.

Year 11 are focusing on probability, this includes the likelihood of events and the law of adding probabilities. Year 11 have worked very hard so far this academic year towards their GCSE's. Keep it up!