

## Year 5 Autumn Term Curriculum Guide 2021

### English

The boys are encouraged to build on the skills they learnt in Year 5 and then adapt to suit all styles of writing. They read a range of different texts to understand how audience and purpose differs and apply specific language skills by using a variety of writing techniques such as figurative language. Exam skills are introduced in the autumn term and timed tasks are encouraged as well as close reading for meaning to help with comprehension. We set homework linked to our class reader, unseen comprehension tests and exam style writing tasks. We use BOFA to revise reading skills and set this as homework.

### Maths

During the autumn term the boys will consolidate and extend their knowledge of number work. They will look at: **place value** – read and write numbers up to ten million, count on in 10 000's, 100 000's and 1 000 000's, order and round numbers to the nearest 100, 10, 1 and 0.1; **addition and subtraction** - recap the formal methods; **multiplication and division** – multiply and divide by 10, 100 and 1000 mentally, use the formal methods, multiply by multiples of 10, 100 and 1000, write remainders as fractions after division; **number properties** – use tests of divisibility, know factors, common factors and prime factors, create factor trees, know square roots and square numbers, find prime numbers; **fractions** – add and subtract fractions (and mixed numbers), simplifying, find quantities of fractions; converting between fractions and mixed numbers. The boys will also cover the topic of angles, finding angles on a straight line, around a point and in triangles and quadrilaterals; they will also need to know how to use a protractor accurately to measure and draw angles. The boys will also be using MyMaths and ttRockstars to support their classwork and their homework. BOFA will also be used as a good practice of exam-styled questions.

### Science

Before half term, boys learn about changes in materials and chemical reactions. This incorporates dissolving substances in water and then recovering them through evaporation, separating mixtures by sieving and filtration, chemical reactions producing irreversible changes (including mixing vinegar and sodium bicarbonate, and burning various substances), the nature of fire, the principles of fire safety, the concept of density, Archimedes' principle, and investigating why some materials and objects float. We conclude with the challenge of designing the boat that will carry the most weight. After half term, boys study forces. They learn about the nature of gravity and how Isaac Newton used it to revolutionize our understanding of the universe, how and why gravity differs on the Earth and the Moon, what a black hole is, the story of the Apollo 11 mission, construct experiments to measure friction forces between materials, discuss air resistance and how parachutes use it to counteract gravity, learn the lever principle of amplifying a small force, and apply it in designing and testing catapults.

### French

These key objectives will be covered alongside others in the units of work in each term. The topic areas and grammar for the Autumn Term are as follows:

- Parts of the body, aches and pains
- Living environment, rooms of the house

- Week-end activities, places
- Countries
- The weather
- Gender of nouns, prepositions, common verbs in the present tense.
- Christmas vocabulary.

## History

The Year 5 syllabus will continue with the High Middle Ages following on from King William I (Norman Conquest). We shall study the power of the Church, then the crusades and then King John (Magna Carta). Lastly we will end with the Later Middle Ages and kings Edward I and II (Welsh and Scottish wars) and the 100 Years War, heralding in the Tudor dynasty. The key skills will be chronological understanding, continuity and change and an appreciation of causes and consequences.

## RS

During the autumn term, boys will be studying the start of Jesus's mission. They will find out about the temptations in the desert, his baptism and gathering his first disciples.

## Geography

### Key Objectives:

- To identify various rivers around the world
- To understand the water cycle
- To gain a basic understanding of erosion and transportation in rivers
- To understand the formation of a variety of river landforms
- To know how rivers are used.

## Latin

The Latin syllabus introduces new grammar, vocabulary and simple syntax and builds on the foundation of work covered in Year 4. During the Autumn Term, we will aim to recap this foundation work and then move on to cover Chapters 5 and 6 of Minimus 1 by Barbara Bell. The key objectives are: to engage and maintain both interest and curiosity about the Graeco-Roman world, to introduce boys to aspects of the Latin language, to provide a stimulating environment for the development of skills related to the learning of Latin, to establish links between the Latin language and English and to introduce boys to non-linguistic aspects of the ancient world with particular reference to Greek myth.

## Drama

In Year 5 drama lessons in the autumn term, the boys explore animal characterisation and how to show personalities on stage through mime and scripts. We write our own scripts and learn lines from popular dramas and musicals. We read scripts to learn more about stage craft and how plays are constructed to entertain.

## Music

This term's project is based around 'The Planets Suite' by Gustav Holst. The boys will develop their listening and appraisal skills through a range of written and practical tasks. They will also learn about who Holst was and how he came to compose the music with links to the Latin curriculum and the

Roman gods. Several weeks will be assigned to developing their own creative composition skills through devising, rehearsing, performing, recording and appraising their own pieces based on the planets. In addition, they will spend some time preparing for the Harvest Festival and the Christmas carol service.

#### Digital Skills/ICT

Year 5 will be spending time learning some extra features of PowerPoint and being introduced to the world of presentations and how to ensure they are both engaging and have clarity. The incredibly important skill of touch typing will also be continued and boys will be encouraged to pursue this further at home using our Typing Club subscription site. Online safety and knowledge of how to navigate the internet efficiently will be further consolidated.

#### Art

Year 5 will focus upon art this first term and draw a stylised version of a hillside townscape, loosely based on the old town of Porto and slightly adapted from previous year's work. The exercise is quite tightly prescribed and focus, precision and attention to detail will be all important traits in achieving a successful outcome. Previous year groups have achieved some absolutely stunning results worthy of being framed in any discerning home and not just casually stuck to the fridge door!

#### Games

In Year 5 the boys progress their development of The Mall school approach to Football. More depth is added to the boys' knowledge of the structure and style of Football to be played. The objective is for each boy to represent the school in competitive matches against other schools and for our better players to aspire to play in the A and B teams. All boys travel to Sunbury Cricket Club for their Games Afternoons.

#### PE

Boys study gymnastics and Basketball in the term. The focus for both is about the whole performances given. During Gymnastic lessons boys will be expected to create longer sequences of work which incorporate a variety of basic skills previously learnt. For Basketball boys will further develop shooting technique and be introduced to the 'lay-up'. Attack v Defence situations will happen regularly to allow boys to use the skills learnt.

#### Swimming

In the Autumn Term the boys are introduced to more technical aspects of the basic strokes. Times are taken over 20 metres to measure improvement and the better boys are invited to represent the school in competitive swimming galas both nationally and against local opposition.

#### NVR

During the autumn term the boys, the boys will be working on questions involving shapes, counting, pointing, shading, line types, order, position, rotation, reflection and layering.

VR

During the autumn term, the boys learn about a range of grammatical rules and explore how plurals and homophones work. They look at letter order, word puzzles and extend their vocabulary using a dictionary.