



Dear Parents/Carers,

Over these two pages, you will be able to read about what your child will be learning over the course of this term.

Should you wish to find out more, please visit our website:

www.astonfields.worcs.sch.uk

Maths

This term, lessons will focus on problem solving and deepening understanding within each of the following topics.

Decimal calculation – revision of calculating with decimals.

Ratio and Proportion – direct proportion, ratio, using ratio and ratio problems.

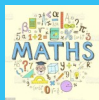
Probability – probability notation.

Algebra – collecting terms, powers and index rules, substitution with powers, revision of single brackets and simplifying more complex expressions.

Percentages – percentages of amounts and simple percentage change.

Calculations – negative numbers (+ - x ÷)

Shape – Construction of triangles.



Core Subjects

English

In Year 7, pupils will be studying *Sky Hawk* by Gill Lewis. The novel follows a group of children living in the Scottish Highlands and their encounter with an osprey, exploring themes such as conservation, belonging and migration. Through the story, pupils will also consider the importance of protecting the natural world and our responsibility towards wildlife. Pupils will examine how the author crafts the novel, focusing on narrative structure and the way different characters' stories connect. They will discuss and analyse the text in class, making comparisons and supporting their ideas with evidence, while exploring the writer's use of language and literary techniques. This will help pupils develop confidence in reading and responding to fiction in more detail.



Pupils will develop their analytical writing using PETER skills, learning how to select relevant evidence, use subject terminology and explain the effects on the reader. They will also write to inform, considering audience and purpose, and build their speaking and listening skills through discussion, debate and exploring characters' viewpoints.

Science

During these topics, pupils will learn how to:

Reproduction

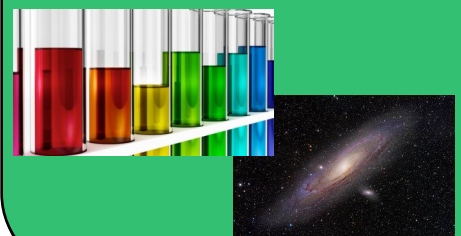
- State the changes that happen to boys and girls during puberty.
- Describe structure and function of the male and female reproductive systems.
- State the definition of gamete, fertilisation and gestation.
- State the main stages of the menstrual cycle.
- Explain the role of the parts of a flower.
- Describe pollination, fertilisation and seed dispersal.

Acid and Alkalis

- Give the meaning of hazard symbols, offering suitable safety precautions.
- Compare properties of acids and alkalis, using the pH scale to measure acidity and alkalinity.
- Describe the differences between concentrated and dilute solutions.
- Explain PH changes during neutralisation reactions, giving examples of useful reactions.
- Describe what a salt is.

Space Project

- Place objects seen in the night sky in size order.
- Explain what is in our solar system, giving the names of the planets.
- Describe the motion of the Sun, stars, and the Moon across the sky.
- Describe the differences between seasons.
- Explain the phases of the moon and eclipses.



Personal Development and Character Education

Pupils will study transition and moving on. They will consider positive relationships and the importance in aspiring to be a person of character. They will think about role models and their hopes and aspirations for the next academic year. They will be able to reflect on their character development and set new goals and targets.

Foundation Subjects

Geography

Topic - Weather and climate:

We will be learning about the UK's weather so pupils can explain why it is changeable and give reasons for different types of weather. This will include a focus on climate change.

Topic - Natural Resource Use:

Pupils will learn how our earth, soils, animals, climate and vegetation interact and why this is important. We will use case studies into our rainforests, biosphere's and oil use and look at why they are important.



Physical Education

The Summer Term promises to inspire pupils to embrace a lifelong commitment to physical activity through four different learning activities that cater to diverse interests and abilities.

The term begins with a focus on fundamental movement skills in activities such as athletics (attempting more technical throws in javelin). In striking and fielding based sports like tennis and rounders, drills and exercises will enable pupils to improve their abilities in developing teamwork skills.



Music

Pupils will develop their knowledge and understanding of Hooks and Riffs and learn how these have developed over time from the 1950s to present day. Pupils will learn the technical skills to perform some popular riffs from famous musicians (Michael Jackson and Freddie Mercury) accurately and confidently. Pupils will explore the musical elements when composing, particularly focusing on timbre, texture, structure, tempo and dynamics.



History

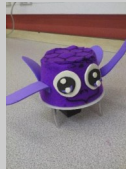
Topics - The Slave Trade

During the Summer Term, pupils in Year 7 will have the opportunity to develop their understanding of world history through the study of the Transatlantic Slave Trade. Pupils will learn about the causes, middle passage, life on a plantation and reasons for its abolition. Pupils will also further develop their source, interpretation and extended writing skills in readiness for Year 8.



Design & Technology

Pupils will continue to complete a carousel of DT based projects including Food Technology, Textiles, Product Design and a STEM project with a focus on Electronics. Each project will last for 9 weeks and has been developed to introduce pupils to new materials and processes as well as developing their designing, making and evaluation skills.



Computing

Website Design - In this unit, pupils will explore the technologies that make up the internet and World Wide Web. Starting with an exploration of the building blocks of the World Wide Web, HTML, and CSS, pupils will investigate how websites are catalogued and organised for effective retrieval using search engines. By the end of the unit, pupils will have functioning websites.



Religious Studies

Good, bad; right, wrong: how do I decide?

Are some actions always right and some always wrong?



What are the sources from which we can find out about good and bad; right and wrong?

What can we learn from exploring ideas about right and wrong in different religions and worldviews?

How do Muslims and Christians understand good and bad; right and wrong?

What can be learned from Sikh and Buddhist ethics and texts?

Art & Design

Self Portraits

Pupils will further develop their observational skills and proportions in drawing portraits of others before creating a detailed, mixed-media self-portrait.

Pupils will build knowledge and understanding of other artists by looking at:

Rene Magritte, Loui Jover and Teesha Moore.



Modern Foreign Languages

Home Life and In Town.

This term, Year 7 pupils will study the topics *Home Life* and *In Town*. They will revise how to talk about places in a town or village, describe where they go at the weekend and practise inviting someone out. Pupils will also learn useful language for ordering in a café and talking about future plans, including plans for a special weekend.

