

**Kirkham Grammar Junior, Infant and Pre-School**  
**Autumn Term**

**J3 Curriculum Overview**

**English**

In English this term, pupils will have the opportunity to engage with exciting Poetry, Fiction and Non-Fiction units, as well as spelling and grammar. In Poetry, the pupils will read a selection of poems by Charles Causley and discuss the poems, giving their own reasons for preferences. They will draft and write their own nonsense and free-verse poems and will be encouraged to read these aloud to the class. In Fiction, the pupils will study the book *Friend or Foe*, by Michael Morpurgo. They will explore the thoughts and feelings of the main characters during their evacuation from London, and will consider what the theme 'friend or foe' really means. For the main composition task, pupils will be challenged to write a new scene for the novel. In Non-Fiction, the pupils will be exploring and discussing the Big Question: 'Which animal makes the toughest migration?'. They will read the interactive eBook, containing text, pictures and videos to find information. In their writing task, the pupils will plan and write a chronological report about a specific animal migration. In Spelling and Grammar lessons, the pupils will focus on particular word patterns each week and complete a spelling test every Friday. Punctuation and grammar will be included in our weekly English lessons.

**Mathematics**

In Mathematics, pupils will develop their mathematical skills by focussing on Place Value within 1 000 000, building on J2 work on numbers within 10 000, to further develop their sense of larger numbers. In Place Value within 1 000 000, pupils will build on their understanding of numbers up to 1 000 000 by partitioning and recognising between which two multiples a number lies, recognising a number's position on a number line and comparing and ordering them. In Addition and Subtraction, pupils will apply the formal written methods of addition and subtraction to numbers up to five digits; and in Multiplication and Division, pupils will develop their understanding of multiples and factors, prime numbers and composite numbers. Pupils will also explore multiplying and dividing numbers by 10, 100 or 1 000. In Fractions, pupils will build on their learning about fractions from J2 and will secure their conceptual understanding of fractions, ready for their work calculating with them in Unit 6. In Fractions, pupils will learn to multiply with fractions and find fractions of amounts.

**Science**

In Science this term, pupils will become scientists as they study and learn about two fascinating topics: *Out of this World* and *The Material World*. In *Out of this World*, pupils will learn about space starting with the Solar System, explore how ideas about space have changed, before exploring what causes night and day on Earth. In a practical for this topic, pupils will be creating a fruit Solar System to show the size of each planet relative to the sun. In *Material World*, the pupils will learn about materials and how they change, practically test properties of materials, and compare reversible and irreversible changes. By the end of this topic, pupils should be able to compare and group together everyday materials on the basis of their properties.

**History**

In History this term, pupils will study two topics: *The Second World War* and *The Ancient Greeks*. In *The Second World War* unit of study, pupils will increase their understanding of the concepts in this topic by exploring the main events including: a timeline of key events, how the war began, the Axis powers, the Blitz, where the major battles of the Second World War took place, what rationing was, and the impact of the war on everyday life in Britain. In *Ancient Greeks*, pupils will delve into the lives of the Ancient Greeks including: who eventually conquered the Greeks, a timeline with important dates from Ancient Greek history, uses for Greek pottery, how artefacts and remains help historians understand daily life in ancient times, what is meant by the word 'myth', the names of some of the Olympians, some Greek myths and

legends; finally they will create a timeline that explains how democracy has been applied over the course of history.

### **Geography**

In Geography this term, pupils will study two topics: *Using Maps – Features and Grid References*, and *North America*. During the first topic, pupils will use atlases to locate a map of Europe and investigate the features of a map including the title, compass rose, key, lines of longitude and latitude, and scale. Pupils will learn the purpose of each of these features. Pupils will also use maps to learn how to take a grid reference (four-figure grid references followed by six-figure grid references). *North America*: pupils will use their new knowledge of maps to locate the geographical location of the continent of North America, locating and labelling on a map the most significant rivers of North America, and locating and marking on a map the geographical location of North America's major mountain ranges. Pupils will also research facts about North America including the climate zones that are found in North America and the population density.

### **Computing**

In Computing this term, pupils will enjoy becoming game developers and cryptographers. In *Game Developers*, pupils will plan and create their own simple computer game, where they will have the opportunity to design characters and backgrounds for their game, leading to testing and improve their game based on feedback; finally they will write game instructions and publish their games. In *Cryptographers*, pupils will investigate early methods of communicating over distances, and learn how to encrypt and decrypt messages in various ciphers, including Morse Code. Pupils will also learn about the importance of password security.

### **Religious Education**

In Religious Education this term, pupils will learn about different cultures including where the Christian Bible comes from and why Muhammad is important to Muslims. In *Where does the Christian Bible come from?*, pupils will ask and respond to questions about the Bible, learn about the history of the Bible and some of its features, investigate the contents of the Bible, learn about different translations of the Bible, and what it means for Christians today. They will also learn to understand the difference between literal and symbolic truth and to reflect upon personal emotions. In *Why is Muhammad important to Muslims?*, pupils will learn about: Muhammad's early life and persecution, the Qur'an and the first prophets of Islam.

### **Design Technology**

In Design Technology this term, pupils will have the opportunity to learn about and practically investigate mechanisms using educational Lego. Pupils will learn about cams and pulleys, and will use the educational Lego to design and build their own fairground ride using those mechanisms. This will be the building blocks for the Spring Term, where pupils will use their understanding of mechanisms to build their own wooden fairground ride.

### **Art**

In Art this term, pupils will increase their understanding of the concepts in this topic by exploring: Artists and Artisans, including where and when Pop Artists became popular, some famous American and British Pop Artists, and why Pop Artists were not fans of traditional art; Styles and Periods, including what Pop Artists from the UK focus on when creating their art, what the inspiration for American Pop Artists was and which earlier art movement Pop Art was seen as being similar to; Effects, including how Roy Lichtenstein used a comic strip to create his *In the Car* painting, how Lichtenstein created the effect of tension; finally they will copy Lichtenstein's inspiration by using part of a comic strip to create their own Pop Art.

### **Music**

In this exciting topic, the pupils will learn about how dance music is created, focussing particularly on the use of loops. They will continue to build on their knowledge of the interrelated dimensions of music: pulse, pitch, duration, dynamics, tempo, timbre, texture, structure, and musical notation. The pupils will also learn new songs, and develop singing techniques and performance skills in preparation for the Harvest Festival and Christmas celebration concert.

### **Personal, Social, Health and Economic Education including Relationship and Sex Education**

In PSHE this term, pupils will study two topics: *Being Me in My World* and *Celebrating Difference*. *Being Me in My World*: In this topic, pupils will learn to face new challenges positively and know how to set personal goals, understand their rights and responsibilities as a citizen of their country, and as a member of KGS; they will learn how to make choices about their own behaviour, and learn to understand how rewards and consequences feel. They will also explore how an individual's behaviour can impact on a group, and understand how democracy and having a voice benefits our school community, concentrating on how they can participate in this. *Celebrating Difference*: In this topic, pupils will understand that cultural differences can sometimes cause conflict, understand what racism is, understand how rumour-spreading and name-calling can be bullying behaviours, learn to explain the difference between direct and indirect types of bullying, learn to compare their life with people in the developing world, and understand a different culture from their own.

### **French**

In French, the pupils will learn the subject pronouns: *je, il, elle* and recognise the relevant parts of three important verbs: *avoir, être and s'appeler*. They will talk about brothers and sisters and use the possessive adjectives *mon, ma and mes*. They will learn how to build longer sentences with the use of the relative pronoun *qui*, and understand longer descriptive texts about other people's families. They will learn about schooling in France, and the names for different school subjects. They will talk about likes, dislikes and favourite subjects. They will learn how to express an opinion and justify it. They will produce their own school timetable in French and give timings of lessons/break, using the 24-hour clock.

### **Physical Education, Games and Swimming**

In the Autumn term, our J3 pupils will be taking part in: Gymnastics - matching, mirroring and contrasting, linking skills to perform actions and sequences of movement; Dance – developing creativity to create routines using a range of dynamics to music, following counts of beats using a range of choreography; Indoor Athletics - developing physical, health-related fitness, including jumping, running and throwing; Swimming - to improve water confidence, to be able to rotate in the water, further developing front crawl and backstroke, developing stroke technique. They will also practise including rhythmical breaths, and aim to swim at least 10 metres of their chosen stroke; Football – improving tactical understanding of the game and developing ball skills; Rugby - learning the new age grade rules, including rucking, and developing tactical awareness in attack and defence; Hockey – to develop stick skills in order to use a range of passes and skills in game situations, to develop defending skills, channelling and marking, and understand set plays including long corners, and short corners, during attacking and defending phases; Netball - to develop attacking and defending skills, marking, dodging, lead runs and shooting, to enhance footwork to support passing and shooting.

KIRKHAM  
GRAMMAR SCHOOL