



Kirkburton Middle School Curriculum Map Year 7

2024/2025

Spring Term 2025

English – Spring 1

Natural World Poetry

Pupils will study a range of poetry that all encompass the theme of our natural world. Pupils will acquire new knowledge in how to annotate a poem and to develop strategies that will help them make 'sense' of a poem. Students will focus on the writer's choice of language and structure within each poem that they look at.

English – Spring 2

Ghost Boys

Pupils will explore the societal issues at the heart of the text: racism; unconscious bias and will build on their knowledge of how to answer a variety of reading-comprehension questions – including 'impressions' questions and focussing specifically on the higher marks that are available, in comparison to SATs. Pupils will build on their knowledge of using word classes to analyse language. The final assessed piece is a series of reading questions about the novel.

Maths – Spring 1

Algebra

Algebraic notation.

Identify: term, coefficient, factor, product, expression, formula, equation.

Simplifying expressions.

Function machines.

Expanding brackets.

Factorising. expressions.

Substitution.

Geometry

Perimeter.

Recap the area of:

Rectangles, triangles, parallelograms.

Area of a trapezium.

Perimeter of composite shapes.

Area of composite shapes.

Recap angle rules.



Maths – Spring 2

Number – Fractions, Decimals and Percentages

Recap: equivalent fractions, simplifying, improper fractions and mixed numbers.

Convert fluently between FDP using non-calculator and calculator methods.

Compare and order negative numbers and decimals.

Compare and order fractions.

Number – Fractions – Four Operations.

Add and subtract fractions, including mixed numbers.

Multiply and divide fractions, including mixed numbers.

Problem solving with fractions.

Science – Spring 1

Matter - Big Picture: There are 118 known elements, what happens when these elements are chemically or physically changed? This units of work builds on the principles of states of matter from year 6, expanding it to investigate heating and cooling curves. Students will get the opportunity to explore the periodic table, its structure and how to use chemical formula. Students will get the opportunity to investigate methods of separating mixtures, including chromatography and distillation.

Science – Spring 2

Forces – Big Picture: A force is a push or a pull that acts on an object due to the interaction with another object. What happens to objects when a force is applied? Students will get to develop their knowledge of forces, understanding the difference between mass and weight. Students will learn how to calculate speed, plotting and interpreting distance time graphs and explaining relative motion.

Art – Spring 1

Giorgio Morandi painting cont.

OP Art

Learn about the OP Art movement and explore their techniques.

Art – Spring 2

OP Art

Create their own independent OP Art work exploring perspective.



Computing – Spring 1

Encryption and Code Breaking

Pupils will look at some simple codes and carry out some exercises to encrypt messages. They will look at why encryption is important today, particularly in relation to the Internet. Pupils will then learn about the work of Alan Turing and build spreadsheets to break coded messages. They will look at ASCII code and how it is used in a modern computer.

Animation, Sequencing and Control

Pupils will use FLOWOL to create sequences of instructions using selection and repetition. They will design a toy for a young child that has hidden functions. Pupils will produce some animations using Scratch and engage in a series of problem-solving exercises using Scratch.

Computing – Spring 2

RGB Colour

Pupils will revisit the RGB colour model, carry out some exercises to revise RGB colour and then take a summative test. They will complete a programming task in BASIC to animate a sprite and use the RGB colour model to alter the default colours.

French – Spring 1

Free time(1)

Giving opinions about hobbies about what we and others like to do. Focus on regular –er verbs.

French – Spring 2

Free time (2)

Hobbies and interests of ourselves and others. Focus on the irregular verb “faire”.

Geography – Spring 1

How diverse is the Asian continent?

What is Asia like? What is Asia’s political geography? What is Asia’s physical geography? What are the different climate zones? What is a megacity and where are they found?

Geography – Spring 2

What is a natural hazard?

How is the Earth structured?

Where are earthquakes distributed around the world?

What are tectonic plates and how do they move?

How was Japan affected by the 2011 earthquake?

How was Haiti affected by the 2010 earthquake



History – Spring 1

What challenges did the monarchy face in England?

The Church: Why did Henry II and Thomas Becket fall out? What happened to Thomas Becket?

The Barons: Why did King John sign the Magna Carta?

The people: Did the peasants get what they wanted in 1381?

History – Spring 2

To what extent was Tudor England a religious rollercoaster?

What was the Reformation? What was the Protestant Church? How did Edward VI progress the Reformation in England? Does Mary deserve the nickname 'Bloody Mary'? Why did Elizabeth choose the 'Middle Way'? Why did the Tudors choose to send their religion abroad?

Why was Charles I killed in 1649?

What were the causes of the English Civil War? Who won? What was life like during the Civil War? Why was the King executed? Who ruled England after the Civil War?

Music – Spring 1

Minimalism

Exploring the music of Steve Reich and other prominent Minimalist composers. Using music technology to create a minimalist cell-based composition which includes phasing and other musical features typical of the style

Music – Spring 2

Rock Band Part 1

Pupils form a band and perform a set song using Rock band instruments. Learn basic skills on electric guitar, bass guitar drums and perform *Wild Thing*. Discuss the development of Popular Music from 1950 – 1970 with a particular focus on Elvis Presley and The Beatles

PE – Spring 1

Outdoor and Adventurous Activities such as team building and Orienteering are used in the first week to strengthen new friendships within the class. Developing more advanced skills and knowledge in invasion games through **Basketball**. Playing games with adapted rules.

PE – Spring 2

Developing skills in Net Games through **Table Tennis**. Playing single sided games with scoring systems. Developing more advanced skills for Invasion games through **Netball and Handball**. Playing small sided games.



PSHE – Spring 1

Puberty and changing adolescent body

Pupils look at the importance of personal hygiene and recap the physical and emotional changes which happen during puberty, looking at how to manage those feelings appropriately.

PSHE – Spring 2

Health and Prevention

Personal safety, first aid and Prevent

Pupils look at risk and managing personal safety, including road and water safety. Looking at managing peer pressure and influence, peer approval and risk taking. Pupils learn basic first aid, including CPR and getting help in an emergency.

Pupils look at the Prevent strategy, covering extremism, radicalisation and being critical readers.

RE – Spring 1

What do Muslims believe about a good life?

Pupils begin this unit by exploring what it means to lead a good life. They will then learn about the importance of the Qur'an to Muslims in their everyday lives. Pupils will explore different themes found from important stories in the Qur'an. Throughout the unit students should be encouraged to think about how Muslims may use each story as a reminder to lead a good life. Pupils are encouraged to think about how they themselves may be able to relate to each story presented.

RE – Spring 2

What do Muslims believe about a good life?

Continued

Technology – Spring 1 & 2

Food Preparation & Nutrition

Focus on food provenance and sustainability.

Pupils will develop their food knowledge further with the introduction of pastry, food science, fair trade, and seasonality. They will make various dishes.

Textiles

Pupils will explore the impact of Textiles on the environment and produce a sustainable scrappy doll using a variety of new decorative and construction techniques.

Drama – Spring 1

Cluedo A scheme of work based on the board game. Students use characterisation, interrogation and hot seating to develop the characters of the suspects within the storyline. Forum Theatre helps students to engage with the action and use improvisation skills. Fingerprint dusting, clue finding and problem solving encourage group work and co-operation.

Drama – Spring 2

Rotation with Technology.