



Kirkburton Middle School Curriculum Map Year 8 2024

Spring Term 2024

English – Spring 1

Journey's End and Conflict Poetry

When focusing on the playscript of Journey's End, pupils will build on their skills of analysing language within different dramatic devices used. This will be the same for poetry, applying their knowledge of the different poetic devices.

Pupils will build on the skill of making a personal response, specifically focussing on what the writer may have wanted them to think, feel and imagine. Pupils will complete a literature assessment as the final summative piece of work.

English – Spring 2

Twisted Tales

Pupils will increase their knowledge of using figurative language to create imagery, setting, mood and atmosphere. These features will also be built upon in levels of sophistication. Pupils will reinforce their knowledge of using the 5-part structure to plan a strong narrative with a detailed plot. Pupils will complete a 'twisted tales' narrative as the final summative piece of work.

Maths – Spring 1

Geometry – Angles

Use angle notation.

Construct triangles using protractors and compasses.

Recognise congruence and similarity in shapes.

Understand and apply angle rules: angles on a straight line, in a triangle, around a point, in a quadrilateral and vertically opposite angles.

Use angle rules involving parallel lines: alternate, corresponding and co-interior angles.

Interior and exterior angles in polygons.

Problem solving.

Simple angle proofs.

Use Pythagoras' Theorem.

Statistics – Statistical Representations

Pie charts.

Discrete and continuous data.

Grouped frequency.

Averages and the range.

Mean from frequency tables.

Stem and leaf diagrams.

Hypotheses and questionnaires.

Scatter graphs and correlation.



Maths – Spring 2

Number – Multiplicative Relationships

Calculate percentages of a quantity (calculator and non-calculator methods).

Percentage change – including using multipliers and reverse percentage problems.

Express one quantity as a percentage of another.

Understand multiplicative relationships.

Solve problems involving direct proportion.

Science – Spring 1

Organisms – Big Picture: The human body is made up of organ systems, these systems allow us to carry out every day tasks and they are adapted to allow our body to work efficiently and effectively. How are the respiratory and digestive systems adapted for efficiency?

This unit builds on the Year 6 and 7 organisms topic, this time looking in depth at the respiratory and digestive system. Students will explain the role of gas exchange and the effects of smoking and exercise on the respiratory system. Students will explore the importance of a balanced diet and the consequences of not maintaining this, they will then explain how the digestive system is adapted to allow us to digest food effectively.

Science – Spring 2

Reactions – Big Picture: A chemical reaction can be observed in many ways and the reactivity of the reactants will impact on the speed the reaction takes place and the products of the reaction. What different types of chemical reaction occur in everyday activities? This unit of work investigates many types of chemical reactions, continuing to develop students working scientifically skills, the reactions explored include exothermic and endothermic, displacement, combustion and thermal decomposition.

Forces – Big Picture: A force is a push or a pull that acts on an object due to the interaction with another object. How can the size of force affect an object or it's characteristics? In Year 8 students develop their knowledge of resultant forces, applying them to the principles of Hooke's law and terminal velocity. Students will then go on to understand and calculate pressure.

Art – Spring 1

Pop Art

Continued

Art – Spring 2

Architecture

Learn about famous architects and their designs

Learning about the history of architecture and researching key architects and their designs.



Computing – Spring 1

Programming in BASIC

Pupils will work through a series of programming problems, learning new commands as they proceed. They will bring these skills together to create a program that simulates the rolling of a die using random numbers.

Binary, Hexadecimal and Colours

Pupils will revisit the theory work on binary and hexadecimal numbers and how these are used in the RGB colour model. They will revisit computer memory and storage units. They will create programs in BASIC that convert binary data into images on the computer.

Computing – Spring 2

Spreadsheets and Selection

Pupils will revise the work they have previously done using spreadsheets – addition, subtraction, multiplication, division, SUM and AVERAGE, use of absolute and relative cells. They will then go on to learn how to use IF statements and the COUNTIF function. Finally, they will use their knowledge of spreadsheets to create a general knowledge quiz that will automatically give the user their score. Some pupils will also look at recording and editing macros in a spreadsheet and using RGB codes to change colours through the use of a macro.

French – Spring 1

Visite a Paris

Learning all about Paris and using the future tense to plan a trip to Paris

French – Spring 2

Holidays

Countries, transport and accommodation.

Weather.

Using the past tense to describe a holiday you've been on.

Geography – Spring 1

Should we think of North America as a rich continent?

What is the political geography of North America?

What is the physical geography of North America?

Who are the people of North America?

Why are some countries more developed than others?

How does a country's population change with development?

What is a population pyramid?

Why do people want to move from Mexico to the USA?

What type of crimes happens in North America?



Geography – Spring 2

How do Superpowers rise and fall?

What is a Superpower and who are they?
How have the global Superpowers changed over time?
What influence do Superpowers have on our lives?
How can we measure levels of development?
Do we live in an unequal world?
Is there inequality in China?

How is the world's population changing?

What happened to the world's population?
What is a megacity?
What problems do we face with world population growth?
Case study: Dhvari
How are countries trying to control their populations?

History – Spring 1 & Spring 2

What is the story of the Suffrage movement?

Who was Kitty Marion? Where did women get the idea that they had a right to vote?
How and why did the actions of the campaigners change in 1912? What was the impact of the First World War? Why was Kitty Marion's story forgotten?

How far reaching was the First World War?

What was happening in Europe before 1914?
What were the long term causes of the war?
Did 2 bullets really kill 20 million people?
Why did men voluntarily join the army?
What were conditions in the trenches like?
How feared were the weapons of the First World War?
How did the First World War change medicine?
Was the First World War a global conflict?

Music – Spring 1

Rock Band Part 2

Pupils perform their own choice song developing skills from Rock Band Part 1. To develop performance technique on electric guitar, bass guitar and drums and to rehearse more complex band performances. To develop understanding of the history of popular music from 1970 – 200 with a particular focus on Queen and Oasis. To explore careers related to being a professional pop musician.



Music – Spring 2

Remix

Developing music technology skills, using a vocal stem as a basis for remixing a popular song. Students will develop their ability to manipulating sounds, recording using MIDI keyboards, adding automation, navigating the software interface.

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. Consolidating more advanced skills and knowledge for invasion games through **Basketball**. Playing games with full rules. Developing officiating skills.

PE – Spring 2

Invasion games through **Netball and Handball**. Playing full sided games. Developing officiating skills.

PSHE – Spring 1

Internet safety and Harms

Pupils look at rights, responsibilities and opportunities online. They learn about how to recognise harmful behaviour online, including laws relating to the viewing and sharing of harmful and indecent material. They consider how information is generated, collected and shared online.

PSHE – Spring 2

Careers and Enterprise Education

Pupils look at employment rights and responsibilities. They consider the options available to them at the end of KS3. They look at routes into work and different types of jobs. They look at the laws surrounding children working. They look at wages, structures and health and safety. They look at identifying strengths and weaknesses and long-term education and career paths.

RE – Spring 1

How do Buddhists express their beliefs in different ways?

This unit seeks to equip pupils with the essential tenets of Buddhism that are found in the major traditions. Additionally, it seeks to show that Buddhism is a rich and diverse philosophy with many different expressions. These include the differing schools, but also the lived experience of individuals in different geographical locations.

RE – Spring 2

How do Buddhists express their beliefs in different ways?

Continued



Technology – Spring 1 & Spring 2

Food Preparation & Nutrition

Food science Focus Pupils will learn about the bread making process – both by hand and in industry. They will make their own pizzas.

Exploring nutrition, food safety and food science and complete a range of practical food making activities to accompany the theory.

Textiles

Pupils will design & make a cushion from fabric they have designed and printed. The print will be based on the work of a designers that they will study further at GCSE. They will explore a range of embellishments and decorative techniques to add to their finished product.

Drama – Spring 1 & Spring 2

In rotation with Technology.

