# Kirkburton Middle School Curriculum Map Year 7 2024

## Autum Term 2024

### English – Autumn 1

**Holes**

Pupils will acquire new knowledge of how to track a specific character throughout the novel and learn the knowledge of what a theme is.

Pupils will build their knowledge of building WHW paragraphs, but these will be developed further by building the knowledge of how to zoom in on language techniques and analyse further.

The final assessed piece is a reading assessment about a character in the novel.

### English – Autumn 2

**Gothic Horror**

Pupils will build on the skill of writing in a clear, controlled and effective way.

Pupils will learn the skill of changing their tone to achieve type, audience and purpose (TAP)

Pupils will recap their knowledge of the key elements of narrative writing, this will then be developed further by exploring the specific genre of gothic horror. The final written piece is a gothic horror narrative.

### Maths – Autumn 1

**Number – Place Value**

Place Value up to one billion.

Place value in decimals.

Rounding to decimal places and significant figures.

Multiplying and dividing by powers of ten (including negative powers).

Use place value in the context of measure to convert between units.

**Properties of Number**

Multiples, factors, primes, square numbers and cube numbers.

Exponents (powers) and roots.

Prime factorisation.

Highest common factor, lowest common multiple using Venn Diagrams.

### Maths – Autumn 2

**Number - Arithmetic** Addition and subtraction with decimals.

Addition and subtraction with negative numbers.

Multiplication and division with decimals.

Multiplication and division with negative numbers.

Laws of arithmetic: Commutative, Associate and Distributive Laws.

BIDMAS.

Using a calculator.

**Probability**

Language of probability.

Probability scale.

Identifying outcomes.

Theoretical probability. Experimental Probability.

### Science – Autumn 1

I**ntroduction to Science – Big Picture:** Science involves asking questions, investigating and observing the world around us. How do scientists carry out investigations and present data?

Students will develop vital skills that will be used throughout their science education, including using and converting units, identifying and using laboratory equipment and plotting graphs.

**Organisms – Big Picture:** Cells are the building blocks of life on Earth, they code for who we are. How do our cells and DNA make us who we are today?

Students will start to explore the structure of living things based on organisation of cells à tissues àorgans à organ systems à organisms, looking at the importance of specialised cells, using microscopes and looking in detail at the structure of the skeleton. In this unit students will study reproduction, learning the organs in the reproductive systems, the impacts of puberty, the process of fertilisation and the importance of a healthy pregnancy.

### Science – Autumn 2

**Energy (Part 1) – Big Picture:** Energy is a quantity described as being in stores that can be transferred between stores. What does the big bang have to do with energy stores and efficiency?

Students will study the seven energy stores and

understand the law of conservation of energy, they will then take this further to consider efficiency. Magnets will be explored in this unit of work, including their role in compasses.

### Art – Autumn 1

**What is Art?**

Exploring the importance of Art and the formal elements.

**Tone**

**Drawing skills**

Develop drawing skills using a range of materials to explore tone.

### Art – Autumn 2

**Giorgio Morandi** **Painting**

Study the work of Giorgio Morandi and produce a still life painting in his style**.**

### Computing – Autumn 1

**Spreadsheets and Charts**

Pupils revise the spreadsheet work carried out in year 6.  They then go on to work on profit/loss spreadsheets, absolute and relative cell references and creating graphs for various scenarios.

### Computing – Autumn 2

**How Computers Work**

Pupils learn about the parts that make up a modern pc. They will revisit the use of 4-bit binary numbers, and extend this to converting 8-bit binary numbers between denary and binary and vice versa. They will look at logic gates and how they can be used to create various outputs from binary inputs.

**Bitmap and Vector Graphics**

Pupils will work on a series of image manipulation tasks. They will gather, input and process both real life and computer created images. Pupils will look at company logos and at what features make a good logo. They will produce logos for specific companies or organisations and evaluate their own work. They will create a portfolio of work in PowerPoint.

### French – Autumn 1

**Describing our family.**

Family members and adjectives to describe personality. Learning the different words for my and talking about how old other people are and what they are called. Describing our appearance and that of others, expressing our opinion about family.

### French – Autumn 2

**School life**

Describing what is in the classroom and what equipment we have/don’t have. Focus on masculine/feminine nouns.

School subjects. Giving opinions of school subjects. Using conjunctions to link sentences.

Life in a French school.

Christmas celebrations in France

### Geography – Autumn 1

**How do weather and climate affect the world?** 

What do we mean by

weather and climate?

How do we measure the weather? Where does all the rain go? What are the different types of rain? What are the rules on climate?

How does climate vary across the world? What does a climate graph show us?

What is the climate of the UK?

What types of extreme weather does the world experience?

### Geography – Autumn 2

**Should we think of North America as a rich continent?**

What is the political landscape of North America? What is North America’s physical geography? 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 crime happens in North America? Why do people want to visit North America?

### History – Autumn 1

**Medieval Britain 1066 - 1500**

Who were the villeins?

What were medieval villages like?

Were the towns better places to live?

What jobs were there in the towns?

How were crimes punished?

How religious were people?

What medical knowledge did people have?

What was life like in medieval Walsham c.1347?

How were the people of Walsham affected by the Black Death?

What did medieval people think caused the Black Death?

What was the impact of the Black Death on Walsham?

### History – Autumn 2

**What can the life of Mansa Musa reveal about Medieval Mali?**

How did Mansa Musa become Emperor of Mali?

What happened when Mansa Musa went to Mecca? What is the legacy of Mansa Musa?

*How* do we know

about the history of Medieval Mali?

### Music – Autumn 1

**Instruments Of The Orchestra**

Learning about the four instruments of the orchestra. Revisiting keyboard technique and notation skills and performing a selection of orchestral pieces on the keyboard using 5-finger technique

### Music – Autumn 2

**Blues**

Pupils learn about the history and origins of the Blues.  Pupils perform a 12-bar blues chord sequence on the keyboard and guitar, before adding a walking bassline and improvisation to a group arrangement of a blues piece. 

### PE – Autumn 1

Developing skills and knowledge in **Sports hall Athletics.** Running, jumping and throwing activities. Introducing some knowledge of different Fitness components and Types of Training to improve **Fitness** levels.

Developing more advanced skills and knowledge in invasion games through **Football.**

### PE – Autumn 2

Developing skills in **Gymnastics**. Creating Pair routines and sequences on the floor using counterbalance.

Dancing through the ages. Developing the skills in **Dance** through 1980s to 2020s dance styles.

Developing more advanced skills and knowledge for Invasion games through **Hockey.** Playing small sided games with full rules.

### PSHE – Autumn 1

**Mental health and Wellbeing** 

Pupils look at the 5 ways to wellbeing, the benefits of physical exercise and consider that happiness is connected to others. Pupils consider some mental health concerns. Looking at self-care, coping strategies and signposting to sources of support.

### PSHE – Autumn 2

**Internet Safety and Harms**

Pupils consider the similarities and differences between the online world and physical world. They look at unhealthy comparisons to others and body image. Pupils look at online risks, including over reliance on social media, harmful behaviour and bullying.

### RE – Autumn 1

**What is religion?** 

This unit seeks to introduce pupils to the idea of religion and worldviews, considering the fluid and changing nature of belief and practice. It shows there are many expressions of worldviews which may include a mix of institutional worldviews and personal worldviews, as well as religious and non-religious worldviews. Pupils will commence using the language of lenses and will build their reflective capabilities when considering their position and how it came to be formed

### RE – Autumn 2

**How do Christians worship in different ways?**

This unit aims to introduce pupils to the wide variety of worship enjoyed by Christians. It allows students to explore the concept of worship itself and come to an understanding of why it is important to Christians, whatever form it may take. The main elements under study are liturgical and non-liturgical worship, prayer, the festival of Christmas and/or Easter, and the potential influence of worship on believers. An optional element on the phenomenon of pilgrimage is also offered. Pupils will be able to evaluate the possible advantages of different types of worship for themselves, once they have an understanding of the form and nature of Christian worship.

### Technology – Autumn 1 & 2

**Product Design**

Understanding polymers - pupils will learn about thermoforming and thermosetting polymers.  They will look at these in an industrial context along with how they can be used in school.  They will also look at the 6Rs and design and make sustainable packaging.

Understanding metals - making jewellery.

### Drama – Autumn 1

**Shakespeare**

A text -based unit provides pupils with the practical skills to explore and perform elements of four Shakespearean plays. This includes the study of language to support English, themes within the plays, the reading and performance from a script

### Drama – Autumn 2

**Mean To Be Free**

A performance unit based around the play *Mean To Be Free* by Harriet Tubman. Students will develop their understanding of stage direction and staging, while using dramatic techniques such as Conscience Alley to help interpret the text and share their opinions. This unit builds students’ cultural capital as they learn about slavery in Canada.