Year 5 Curriculum Map Down the Mines

Science

We will be exploring properties of materials and answering the following enquiry questions:

- How can we categorise rocks and minerals?
- What properties would be beneficial for building a colliery?
- What is a thermal insulator? What is a thermal conductor?
- How do we decide which materials are suitable for a chosen purpose?
- Which materials are most effective for protecting our ears from loud noises?
- How do we decide which materials are suitable for a chosen purpose?

RE and PSHE

The children will be learning about local churches around Keyworth and exploring Sikhism

JIGSAW's "Being me in my world" topic will help us learn about ourselves and others

PE

Mondays – Football or Tennis with Mrs Wales

Wednesdays – Football or Tennis with Mrs King

History

Our topic is all about the coal mining industry in and around Nottinghamshire and our local area, Keyworth. We will be exploring the following enquiry questions:

- When did mining begin? What are some of the key events in mining history?
- Where were the local mines to Keyworth?
- What was life for children working in the mines?
- How did the second world war impact the mining industry?
- When did coal mining in the UK come to an end? How did this change occur?
- Which event in mining history do you feel is most significant and why?

Art/ DT

This term we will be completing a DT project, designing and making a tool apron that is suitable for a coal miner.

Maths

We will be covering:

- Place value
- Addition, and subtraction
- Multiplication and division

We will be practising our arithmetic skills and our multiplication tables on a weekly basis.

Literacy

We will be using Talk for Writing to learn the structure of, and then write:

- A biography about Sally Ride.
- A Portal Story called Clock Close.
- Poetry linked to our visit to the National Coal Mining Museum.

ICT

We will be covering the topic 'iDraw'. The children will learn:

- that digital tools can be used to create images.
- that vector images are made up of shapes and lines.
- to use digital tools to improve detail in images.
- that vector images are constructed of layers.