



## Year 5 - Autumn 1 - 20223

### Mysterious materials

### What makes a good scientist?



#### ENGLISH

In reading, we will explore the use and meanings of a range of vocabulary, we will use inference, prediction, retrieval and summary skills linked to the book Iron Man by Ted Hughes

In writing, we will compose a letter using One Plastic Bag and a newspaper report on The Iron man following The Writers Sequence.

We will also revise key grammar skills and our focus in spellings will include words which include silent letters, 'ough' spelling pattern, 'able' and homophones.

#### MATHS

We will cover a range of topics this half term, to include:-

- Roman numerals
- Number and place value.
- Addition and subtraction.
- Measurements linked to science

We will continue to practise times tables on a daily basis to develop accuracy and speed.

#### SCIENCE

Children will use a range of scientific skills including observations, predictions, conducting fair tests, making conclusions and preparing risk assessments when learning about different materials.

Key Vocabulary  
Classifying materials, Dissolving, Separating mixtures, Evaporation, Solids, liquids and gases, Changes of state, Insulation, Non-reversible changes.

#### LEARNING SKILLS : Learning Together

We will be learning how to take responsibility and develop our skills to work well in a team

#### RELIGIOUS EDUCATION

We will be learning about the Islamic faith, the Five Pillars of Islam, the story of Mohammad, their place of worship and their praying rituals and artefacts.

#### OUTDOOR LEARNING (every Friday afternoon)

We will be practising sawing, hammer and drilling techniques as well as using flints and steels to make sparks and individual fires.

#### PHYSICAL EDUCATION Tuesday and Wednesday

Football – passing, dribbling, small mini games  
Netball – key skills, small sided games

#### Ways that you can help your child at home

- Please hear your child read as much as possible and read to them too.
- Play mathematical games and have mathematical discussions during everyday activities.
- Help your child to complete their creative homework project and weekly homework.
- Help your child to learn their spellings each week.

#### FRENCH

Introduction to nouns for common pets, the phrase "J'ai .." (I have), learn how to use conjunctions and negative statement "Je n'ai pas de ...."

#### STUNNING START

Children to take part in a team quiz and investigation linked to materials.

#### FABULOUS FINISH

Being a scientist for the day taking part in scintillating science experiments  
(Date to be confirmed.)

#### COMPUTING

We will be learning how to review coding, understand simulations and understand and explore variables.

#### MUSIC

We will be learning about pitch, rhythm and tempo of 'Living on a prayer' and learning the words and to sing along to it.

#### ART/DT

- Creating recycled products from plastic bags.
- Making sketches and 3D sculptures of the Iron Man

#### PSHE

We will be looking at different friendships, families and relationships.