# Curriculum Newsletter

## YEAR 5 | Autumn Term 2

HUJJAT PRIMARY SCHOOL

**Salaams Parents/ Carers**

We have another enjoyable and engaging half-term. Our teachers in Year 5 are Miss Hussaini and Miss Hassan, supported by Miss Fazel, Mrs Outschoorn, Ms Ali and Ms Abdenoor. Our team will continue to work hard to ensure that all learning needs and abilities are met, and that every child enjoys a happy, successful, and rewarding Autumn Term.

**Value: Respect**



This half term we will be focusing on the value of respect. Children will reflect and discuss how we show respect to Allah, ourselves, our parents, our teachers, our siblings, our friends, others, our environment, etc., through stories of the Prophet Muhammad (saw), teachings from the Holy Quran and opportunities to put their learning into practice. Some verses we may be discussing include: 8:11; 17:23; 17:26; 17:53; 29:8.

# Here is a breakdown of the skills and knowledge to be covered in each subject through this half-term:

## English

In English, children will continue with **Floodland by Marcus Sedgwick**, developing their understanding of the text through both fiction and non-fiction writing. They will:

Compose a reflective **diary entry**, expressing emotions, thoughts and personal perspective clearly, while organising ideas in a coherent and meaningful way.

Children will also study **The Promise by Nicola Davies**, where they will write **cinquains** to develop their poetry skills, concentrating on precise vocabulary, imagery and structure.

Alongside these units, children will continue to build their **grammar knowledge**, including:

- ✓ using a wider range of conjunctions to extend sentences
- ✓ developing control of tense and verb forms
- ✓ using ambitious vocabulary choices to enhance impact
- ✓ punctuating accurately, including speech punctuation

Through these activities, pupils will strengthen their ability to write for different audiences and purposes, combining creativity with accurate grammar and effective language choices.

**Key Texts:**
**Floodland by Marcus Sedgwick**
**The Promise Nicola Davies**

## Mathematics

In Mathematics, children will focus on **multiplication, division, and fractions (including decimals and percentages)**. Key areas of learning will be:

- ✓ Multiplying numbers up to 4 digits by a one- or two-digit number using formal written methods, including long multiplication.
- ✓ Dividing numbers up to 4 digits by a one-digit number using short division and interpreting remainders appropriately for the context.
- ✓ Solving multi-step problems involving multiplication and division, deciding which operations and methods to use and why.

Children will also deepen their understanding of **fractions, decimals and percentages** by learning to:

- ✓ Compare, order, add and subtract fractions with the same denominator and different denominators.
- ✓ Multiply proper fractions and mixed numbers by whole numbers.
- ✓ Read and write decimal numbers as fractions and round decimals to the nearest whole number and one decimal place.
- ✓ Recognise and use thousandths, connecting them to tenths, hundredths and decimal equivalents.
- ✓ Understand percentages, write percentages as fractions and decimals, and solve problems involving percentage and decimal equivalents.

Through these topics, children will be encouraged to apply their knowledge to **reasoning and problem-solving activities**, building fluency and confidence with key number skills.

## Science

**Materials and Climate Change**

This term in Science, our topic is Materials and Climate Change. Children will be exploring the properties and changes of materials through hands-on investigations. They will learn to:

Compare everyday materials by their properties (e.g. hardness, transparency, conductivity, magnetic response).

Explore dissolving and learn how to separate mixtures using filtering, sieving and evaporating.

Carry out fair tests to see why certain materials (like metals, wood and plastic) are used for particular purposes.

Understand that some changes are reversible (melting, dissolving, mixing) while others are irreversible (burning, reactions with acids).

We will also make links to climate change, looking at reversible changes in nature (like melting ice) and irreversible ones caused by human activity (like burning fossil fuels).

Through this topic, children will develop their scientific enquiry skills and see how science connects to real-world issues.

## Humanities

In Geography, children will study **Climate Zones and Biomes around the World**, exploring how climate, physical features and the environment influence the plants, animals and people living in different parts of the world. They will:

Develop their locational knowledge, identifying the Equator, tropics and poles and understanding how distance from the Equator influences climate.

Explore the different climate zones around the world and understand why temperatures and rainfall vary between regions.

Identify and investigate the world's major biomes, including tropical rainforests, savannahs, deserts, tundra, boreal forests and deciduous forests.

Understand how flora and fauna adapt to different biomes, exploring the special features that help plants and animals survive in their environments.

Investigate the challenges and opportunities faced by people living in different biomes, including access to water, food, land and natural resources.

Explore the impact of human activity on the environment, focusing on deforestation and changes to the UK's deciduous forests.

Compare different biomes around the world, considering how climate, vegetation, wildlife and human activity shape each environment.

## Design and Technology

## Physical Education and Sports

In PE, children will develop their skills in **netball.** Key areas of learning will be:

In Computing and Design Technology, children will explore how programmable technology can help monitor animal habitats.

They will research animal needs, investigate temperature monitoring and learn how thermometers have developed.

Using Micro:bits, they will programme temperature alerts and practise debugging.

They will explore plastic and its environmental impact, build physical models and use Tinkercad to design 3D cases for their devices, evaluating and improving their final designs.

**Netball:**

Developing passing, catching and shooting skills.

Learning about attacking and defending techniques.

Understanding rules of the game and the importance of teamwork, communication and fair play.

Through these activities, children will build their **fitness, coordination and confidence**, while also developing teamwork and perseverance.

## Computing

In Computing, children will focus on **Data Handling: Mars Rover 1**. This unit will allow pupils to combine computing skills with real-world scientific enquiry. Key areas of learning will be:

- ✓ Understanding how **data is collected** from sensors on Mars rovers and why this is important for scientific discovery.
- ✓ Learning to **organise, store and present data** in a range of ways using spreadsheets and databases.
- ✓ Using logical reasoning to **analyse data sets**, spotting patterns and drawing conclusions.
- ✓ Exploring how data is used in the wider world, making links to space exploration, climate science and everyday technology.
- ✓ Developing digital literacy skills by learning about **accuracy, reliability and presentation** of data.
- ✓ Understanding the importance of **audience and purpose** when presenting data and findings.

Through this unit, children will apply their computing skills to solve real-life problems, link their learning to other curriculum areas, and gain a deeper understanding of how technology supports exploration and scientific research.

## Religious Education

We will be exploring the big question:
*Is it better to give than receive?*

To help us build an understanding to answer this question we will be learning about and reflecting on the concepts of 'giving' in Islam and Sikhism. We will look at practices of giving within these religions, such as Zakah and Sewa, as well as reflect on what the Quran and example of the Prophet Muhammad tells us about the manner in which we should give and receive.

## Arabic

Children will continue to develop their reading, writing, listening and speaking skills around the topic of 'Food and Mealtimes'. They will learn vocabulary and sentence structures around lunchtime at school, cooking at home, growing food and eating and tasting. In addition, they will look at various grammar concepts, learning how to build their own sentences using the vocabulary they have learnt.

## Music

Children will consolidate their understanding of rhythmic notation, including note values and rests, through body percussion, call and response, polyrhythm and composition activities. They will further apply their understanding and skills when listening and performing the nasheed, 'Mountains of Makkah' by Zain Bikha. Reflecting on lyrics of the nasheed will allow children to explore key Islamic Stories and draw links with the school values such as service. A deeper understanding of rhythm and notation will enable them to compose their own verse based on a Quranic story they know.

## PSHE

The children will be engaging with the topic 'Be Yourself' reflecting on the way Allah (SWT) has created them as unique and developing gratitude for these unique qualities. As part of the topic, they will also be discussing uncomfortable feelings, building confidence, making good choices and making amends.

Our assemblies and PSHE lessons will focus on the value: Respect.

## Additional Information

Spellings and Arithmetic tests will be every Friday
Library days will be every Monday.

Children in 5G will have PE lessons on Tuesdays and Fridays. 5A will have PE on Tuesdays, Thursdays and Fridays.

**Please provide your child daily with fruit or vegetables for their morning snack**

## Enrichment Opportunities

The Year 5 children will be participating in a themed day to consolidate their learning about the Ancient Greek Civilization. More information to follow.
As part of R.E., the children will be visited by a guest from the Sikh faith to talk about the concept of giving and receiving from the Sikh perspective.

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