



# Year 4 - Learning Journey

## Spring 2- 2020

### Maths

We will be learning through the **Mathematics Mastery Programme**.



#### Key learning this half term:

- **Solve problems** involving **multiplication** and **addition**.
- Apply the **distributive law** to **multiply two-digit numbers** by a **one-digit number**.
- Solve **integer scaling problems** and **correspondence problems**.
- Find the effect of **dividing** a **one** or **two-digit number** by **ten** and one **hundred**.
- Identify the **value** of **digits** in an answer as **ones**, **tenths** and **hundredths**.
- **Estimate**, **compare** and **calculate** different **measures**, including **money** in **pounds (£)**, and **pence (p)**.
- Improve **reasoning** skills, **mental arithmetic** skills and **times-tables** knowledge.

### English - Writing

We will learn how to use and improve new and existing writing skills.



#### Key learning this term:

Continue to thoroughly **check**, **edit** and **up-level** our work. Demonstrate the ability to write in different **styles** and **genres** including:

#### Fiction

- **Stories with familiar settings**
- **Poetry- creating images**
- **Fantasy stories**



#### Non Fiction

- **Newspaper**
- **Note taking**
- **Explanation**



### English - Reading

We will be learning through the **Destination Reader programme**.



#### Key learning this half term:

- Making **inferences** and **justifying predictions** based on the class text.
- **Asking** and **answering questions** based on the class text.

#### Focus Books this term:

- **'The Village that Vanished'** by Ann Grifalconi
- **'Mufaro's Beautiful Daughters'** by John Steptoe

We will also be reading non fiction texts relevant to our Geography and History topics.



### Geography

'Fieldwork - Our Local Area'



#### Key learning this half term:

- Understand **four figure grid references** on maps.
- Identify **geographical features** on **OS maps**.
- Test the accuracy of an **OS map** of **Tottenham**.
- **Survey Tottenham** using a variety of **classifications** including **physical, human, residential, retail, industrial**.
- Use our data to conclude whether Tottenham is more physical or human.
- Identify a **location** in **England** that is different to **Tottenham**.
- Explore issues that affect the **region**, such as **new housing** and **new roads, job creation** or **loss**.
- Use maps to annotate **changes** over **time** and discuss why the changes should happen.

### History

'Early Islamic Civilisation'

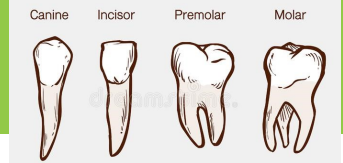
Why was the Islamic civilisation around AD900 known as the 'Golden Age'?

#### Key learning this half term:

- Discover how **Baghdad** became **'The Centre of Islamic culture'** after **AD 768**.
- Learn about the accomplishments of **Islamic scholars** - medicine, mathematics, astronomy, chemistry etc.
- Identify **Arabic** words that are now part of **scientific English**.
- Learn about the **trade network** of **Baghdad c.CE900**
- Learn about the achievements of the **early Islamic civilisation**.
- Learn about the spread of **Islam** across the **Middle East, Africa** and **Europe**.

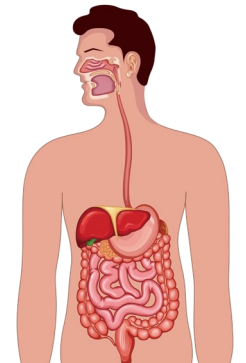
### Science

'Animals including Humans'



#### Key learning this half term:

- Identify the basic parts of the **digestive system**.
- Understand the **functions** of the **digestive organs**.
- Learn about the different **types** of **teeth** within a **human mouth** and understand their **functions**.
- Understand **food chains**.
- Learn to correctly identify **producers, predators** and **prey**.



## Computing 'Makey Makey'



### Key learning this half term:

- Transform everyday objects into **touchpads**.
- Interact with **computers** as a **creative tool**.
- Develop our own methods of **interfacing** with **modern technology**.
- Work within a **team** to help us **problem solve** and overcome **creative barriers**.

### Online Safety - Cyberpass

We will be taught online safety in order to participate safely in the online community including when sourcing images for our projects.



## Physical Education

Crystal Class - 'Tennis'

Garnet Class - 'Gymnastics with Apparatus'

### Key learning this half term:

Crystal Class

- Apply **agility, balance** and **coordination**.
- Develop **racket control**.
- Apply **forehand shots** and **backhand shots**.
- Apply skills in a **competitive** situation.
- Apply **positive attitude** and **good team spirit**.

Garnet Class

- Apply **balance, control** and **coordination**.
- **Safely** apply **gymnastic skills** to **apparatus** with **confidence**.
- Attempt more **advanced gymnastic skills** and **analyse** and **develop** existing skills.

### PE Day - Wednesday

Please ensure that your child has a full PE kit in school each week for their PE lesson.

## Design & Technology 'Mini Green Houses'

### Key skills:

- Explore existing **greenhouses**.
- Investigate what makes a **stable structure**.
- Explore suitable **materials** to make a **mini greenhouse**.
- **Design** and **construct** a **mini greenhouse**.
- **Evaluate** and **test** our finished products.

## Mandarin 普通话



### Key learning:

- Review **language** relating to **the body**.
- Apply language of **feelings/pain** to **body parts**. 'My head hurts.'
- Learn about the **culture** of **Chinese music**.
- Speak in **full sentences**.
- Write **phrases** from **memory** and **adapt known language** to create **new sentences**.

## PSHE & RHE 'Healthy Me'



### Key learning this half term:

- Recognise how different **friendship groups** are formed and how I am a part of them.
- Understand the different **roles** within a **friendship groups** and recognise the **role I take on**.
- Understand the facts about **smoking**, why people **smoke** and how **smoking effects** our **health**.
- Understand facts about **alcohol**, why people drink **alcohol** and how **alcohol effects** our **health**.
- Understand the **characteristics** of being **under pressure** and explain ways to **resist pressure**.
- Know our own **personal values** and have a clearly explain what **I believe** is **right** and **wrong**.

## Religious Education 'Christianity'



### Key Question:

Is forgiveness always possible for Christians?



### Key learning this half term:

- Discuss the significance of **forgiveness** in the **Christian faith**.
- Consider how **forgiveness** relates to **Easter**.
- Understand the importance of **Easter** to the **Christian** community.
- Understand how and why **Easter** is **celebrated**.
- Compare **similarities** and **differences** between **Christianity** to other **religions** and **beliefs**.

## Home Learning

Your home learning project is due in school by:  
**Friday 27th March**

### Use the following websites to practice your maths and spelling:

- [www.ttrackstars.com](http://www.ttrackstars.com)
- [www.login.mathletics.com](http://www.login.mathletics.com)
- [www.uk.spellodrome.com](http://www.uk.spellodrome.com)
- [www.spag.com](http://www.spag.com)

### Complete one of the following projects:

- Create an intriguing time capsule for people in the future to understand the geography of your local area - this may include photographs, drawings, maps, and artefacts, personal experiences etc.
- Create a 3D model of an invention from the time of the 'Golden Age'.

Responsibility

Independence

Initiative

Generosity

Curiosity

Perseverance

Optimism

Social Intelligence

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