



# St Patrick's Catholic Primary School

## Termly Curriculum Information for Parents - Year 5

### What your child will be learning about this autumn term and how you can help at home

#### English

##### Writing:

This term, Year 5 will be studying a range of high quality texts and genres, including the exciting fiction writing of Sara Pennypacker and Louis Sachar. The children will be reading the following texts: *Pax* by Sara Pennypacker; and *There's a Boy in the Girls' Bathroom* by Louis Sachar. They will also explore the poetry of Charles Causley from his collection, *I had a Little Cat*. These high quality texts will be used to model writing, inspire the children's own writing and extend skills in vocabulary, grammar, punctuation (including brackets, dashes and commas for parenthesis) and spelling. We will be continuing to encourage the children to write for a purpose, e.g. newspaper reports, diary entries, poetry and informal letters.

##### Grammar:

The children will be learning to use **modal verbs** and **relative clauses** beginning with *who, which, where, when, whose, that*. They will also be learning to link ideas across paragraphs using **adverbials** of time [e.g. *later*], place [e.g. *nearby*] and number [e.g. *secondly*] or tense choices [e.g. he *had* seen her before]. Year 5 will be learning to use brackets, dashes or commas to indicate parenthesis.

##### Reading:

In daily Reading lessons, the children will be developing their reading fluency, comprehension skills and ability to read with expression.

##### How you can help:

Encourage your child to read a range of texts, including a variety of newspapers and magazines, fiction and non-fiction books written by different authors. Help your child to learn their spellings each week. Listen to your child read on a regular basis, asking them questions to make sure they have understood what they have been reading.

**Please sign your initials in your child's Reading Record each day to show they are reading at home.**

Google: [BBC Bitesize Year 5 English](https://www.bbc.com/bitesize/year5/english) and work through some of the activities with your child.



#### Maths:

This term, Year 5 will be learning the following:

##### Number: Place value

To read, write, order and compare numbers to at least 1 000 000; to count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000; to interpret negative numbers in context, and count forwards and backwards with positive and negative whole numbers, including through zero; to round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000; to solve number problems and practical problems that involve all of the above; and to read Roman numerals to 1000.

##### Number: Addition and Subtraction

To add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction); to add and subtract numbers mentally with increasingly large numbers; to use rounding to check answers to calculations; and to solve addition and subtraction multi-step problems in contexts.

##### Number: Multiplication and Division

Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers; know and use the vocabulary of prime numbers, prime factors and composite numbers; establish whether a number up to 100 is prime and recall prime numbers up to 19; multiply and divide whole numbers and those involving decimals by 10, 100 and 1000; and recognise and use square numbers and cube numbers, and the notation for squared and cubed.

##### Number: Fractions

To find equivalent fractions, convert improper and mixed number fractions, compare and order fractions and to add and subtract fractions.

**How you can help:** Weekly homework will link to our maths topics. Please make sure your child is explaining the methods they have learnt to help them consolidate this.

Encourage your child to visit this website <https://nrich.maths.org/14580> for a range of problem solving activities and games.

## Science

### Properties and changes of materials

This term, Year 5 will be learning to group materials according to their properties, including the properties of different metals. The children will be learning to investigate which materials are thermal insulators and which are thermal conductors. Working scientifically, the children will be learning to conduct a comparative test to find out which material is best for picnic plates.

Year 5 will be learning to observe which solids will dissolve in liquid and to explain the processes of evaporation and condensation. The children will be learning to investigate variables that affect the rate at which sugar and salt dissolve and to investigate how to purify a mixture. Year 5 will be learning to recognise which changes in materials are reversible and non-reversible. The children will be learning to explore the changes involved in a candle burning and to investigate the conditions required for iron to rust

Google [BBC Bitesize Year 5 Science](#) for a selection of science videos.

## Music

This term, Year 5 will begin their Guitar lessons through the Camden Wider Opportunities program. Throughout the term the children will learn new notes and chords and how to play simple songs. They will be provided a guitar to keep for the duration of the year and will need to bring it to school each **Wednesday**.

Visit <https://tinyurl.com/44ttkcfv> for more information.

## Computing

### Creating Media - Vector drawing

This term, Year 5 will be learning to identify that drawing tools can be used to produce different outcomes and learning to create a vector drawing by combining shapes. The children will be learning to use tools to achieve a desired effect and to recognise that vector drawings consist of layers. Year 5 will be learning to group objects to make them easier to work with and to evaluate their vector drawing.

**How you can help:** Have a conversation with your child about being safe online. For some informative and age appropriate videos to start conversations, visit the following website: [https://www.thinkuknow.co.uk/8\\_10/](https://www.thinkuknow.co.uk/8_10/)



## History

### The Viking and Anglo Saxon struggle for England

This term, Year 5 will be learning to know the time and place of the Viking invasion and settlement in Britain. The children will be learning to understand why the Vikings came to Britain and to analyse historical sources. Year 5 will be learning to explain why Alfred the Great was important for the Anglo-Saxon struggle for Britain and to explain how the Anglo-Saxons and Vikings struggled for Britain.

## Geography

### Seas and Oceans / Wearing away the land / Seasons and Climate

This term, Year 5 will be learning to understand the threats to the ocean environment and that there are 7 seas. The children will be learning to understand how rivers shape the land and how rivers can be controlled. Year 5 will be learning to understand lines of latitude and longitude and how climate changes worldwide.

## Religious Education

### Religious Education: Creation and Covenant / Prophecy and Promise

In the Autumn Term the children will learn about the life of Moses, focusing on the two key events of the call and the covenant (the Burning Bush and the Ten Commandments). Children will make links between the Ten Commandments and Jesus' summary of the law in Matthew's Gospel. The children will discuss what loving our neighbour means for Christians today, for example, welcoming asylum seekers and refugees, and relating this belief to the Church's teaching on the common good and love of neighbour. In the second half of the term the children will learn that psalms are an ancient and beautiful form of prayer. They will learn about scripture relating to the life and importance of King David (1 Samuel 17:1-11, 32-54: David and Goliath; 2 Samuel 5:1-5: David becomes king; 2 Samuel 7: 8-15 God's covenant with David). They will reflect that God chooses people in unexpected ways, sometimes those overlooked by others and what that means for themselves.

### Things to do at home...

You could read: Exodus 3:1-15 Exodus 19:3-8, 20:1-17 Matthew 22:36-40. Write a song, rap or poem explaining how you can love your God and your neighbour. Illustrate a key moment from the life of King David or Moses from the Old Testament.

## Art and design

### Drawing (Skills and Techniques)

This term, Year 5 will be learning to draw in 3D. The children will be learning to draw houses from the past and present. Year 5 will be learning to draw a countryside landscape and techniques for drawing trees. They will also be learning to draw portraits in different styles and how to compare them.

### Painting (Flowers)

This term, Year 5 will be learning to explore the use of flowers in art and they will be learning petal painting techniques. The children will be learning to practice painting skills using a variety of tools and techniques, and to draw and paint from observation and using their imaginations. The children will be learning to reproduce a well-known painting.

## Design Technology

### Mechanical Systems (Moving Toys)

Year 5 will be designing, making and evaluating a toy with a moving cam mechanism in their unit of work about mechanical systems.

### Food Technology

#### Scones

Year 5 will be learning about the basic principles of a healthy and varied diet. The children will also be preparing **Scones**.

## PSHCE

This term, Year 5 be learning about Health and Prevention and understanding that most common infections get better on their own through time. They will be learning to understand respectful relationships, including understanding gender stereotypes and will explore the concepts of fairness and migration. They will also be learning to talk about mental health and well being.

**How you can help:** Talk to your child about their feelings and who they can talk to at school if they have a worry.

## Spanish

The children will be studying the following topics in this term's Spanish lessons, led by our specialist Spanish teacher: greetings; phonics; numbers 1-40; maths; colours Halloween; the calendar; birthdays; likes and dislikes; sports; hobbies and Christmas. The children will also be playing games and singing songs in Spanish.

## PE

This term, Year 5 will need to come to school dressed in their PE kits **every Monday**.

Year 5 will be developing their ball skills, co-ordination and footwork by playing invasion games, such as football and netball.

## How can I help at home?

Make it clear that you value homework – set aside a specific time and area for your child to work on their homework. Your child will receive homework once a week. Help them to be organised with their time so that their homework is handed in on time.

Encourage your child to **read a variety of texts**, not just books from school.

**Listen** to your child read and ask them questions about the text to help increase their **understanding**. Discuss what happened in the story; would you make the same choices as the characters? Why? Why not? Encourage your child to support their opinion with evidence from the text.

**Please sign your initials in your child's Reading Record each day.**

Encourage them to do every **day mathematics**, such as telling the time, using bus / train timetables or working out the total / change in a shop.

Spend time reviewing their **times tables** with them each day.

**Help your child to be organised:**

- ◇ Have you got your **book bag**? Needs to be in school **every day**.
- ◇ Are **ALL** your reading books inside it?
- ◇ Have you completed your **homework**? Homework should be submitted by **Wednesday**.

