

# Curriculum Overview Year 3

## English (see this link for greater detail)

English lessons are linked with our termly curriculum topics. Within each unit of work, we follow the National Curriculum for reading, writing, grammar, spelling and handwriting. In reading, we study authors, poets and a range of novels throughout the year, which are used to help stimulate language and writing. We use the reciprocal reading strategy to teach reading in English. These key skills are:

- predicting
- clarifying
- questioning
- summarising.

We use a range of reading schemes, including 'Bug Club' to also teach reading comprehension. For spelling we use 'Read, Write, Inc' spelling and 'Read, Write, Inc' phonics.

Throughout the year children will learn how to write: a variety of stories and poems, letters, diaries, instructions, discussions, non-chronological reports, explanations and newspaper articles.

## Mathematics (see this link for greater details)

The Programme of Study for Year 3 includes the following key areas:

Number and place value; mental and written methods for addition and subtraction; mental and written methods for multiplication and division; measurement, properties of shape; and fractions

Children will be required to:

- Work with numbers up to 1000, understanding the value of each digit .
- Using formal written methods for addition and subtraction.
- Expand their existing multiplication and division knowledge to include 3, 4, 8 timetable facts.
- Understand unit and non unit fractions are part of a whole and recognise tenths.
- Measure, compare, add and subtract: lengths; mass; volume/capacity.
- Measure the perimeter of simple 2-D shapes.
- Add and subtract amounts of money to give change.

- Tell and write the time from an analogue clock, including using Roman numerals.
- Recognise angles as a property of shape or a description of a turn
- Identify right angles and horizontal and vertical lines and pairs of perpendicular and parallel lines.
- Interpret and present data using bar charts, pictograms and table

WhiteRose schemes of learning are used in Year 3 to guide the teaching and learning of Mathematics. Lessons at Rednal Hill begin with a problem which is explored by the children in many ways. Children will consider many possibilities to answering the problem looking at most efficient methods. The children are then able to practice these skills in a varied context before accessing their independent activity.

Children broadly move at the same pace during the lesson and opportunities for children to explore concepts at greater depth is planned for when children have mastered this content.

## Science

- Plants; Light
- Nutrition
- Food chains; Fossils; Plant parts and functions; Water transportation in plants; Skeletal systems
- Forces and magnets
- Rocks
- Working scientifically

## History

- Prehistoric Britain from the Stone Age to Iron Age
- Significant individuals - James Lind
- Ancient Greece
- Ancient Rome - Pompeii

## Art

- Neolithic art; Clay beakers; Iron Age
- Sculpture
- Greek art and design
- 3-D scale models
- Embossed pattern and pictures; Making jewellery
- Sculpture; Photography

## Design & Technology

- Tool design and making; Building structures
- Cooking and nutrition
- Moving parts; Model making
- Selecting and using materials (collage and textiles)
- Product evaluation; Using research to inform design; Selecting materials; Making vehicles; Building an Iron Man; Using electrical circuits

## Modern Foreign

- Listen and respond to spoken language
- Explore through songs and rhyme
- Ask and answer questions
- Seek clarification and help

## Language (French)

## Physical Education

Pupils should be taught to:

- use running, jumping, throwing and catching in isolation and in combination
- play competitive games, modified where appropriate and apply basic principles suitable for attacking and defending
- develop flexibility, strength, technique, control and balance
- perform dances using a range of movement patterns
- take part in outdoor and adventurous activity challenges both individually and within a team
- compare their performances with previous ones and demonstrate improvement to achieve their personal best.

<http://www.rednalhilljuniors.com/our-school/curriculum/pe>

## Computing

- Understand computer networks.
- Use desktop publishing packages and presentation tools effectively
- Design & write programs to achieve specific goals, including solving problems
- Use the internet safely and appropriately

## Geography

- Fieldwork; Human and physical geography; Using maps and aerial images
- Food miles and fair trade
- Ancient and modern day Greece; Geographical features; Using maps to locate countries and continents
- Volcanoes and earthquakes

## Music

- Vegetable orchestra
- Performing using metal objects for instruments
- Composition

## Religious Education

**Compassion**  
Sharing and Being Generous. Caring for Others, Animals and the Environment

**Community**  
Creating Unity and Harmony. Participating and Willing to Lead

**Choice**  
Being Fair and Just. Being Accountable and Living with Integrity

**Commitment**  
Remembering Roots. Being Loyal and Steadfast

**Contemplation**  
Being Open, Honest and Truthful. Being silent and attentive to cultivating a sense for the sacred and transcendent

**Commitment**  
Being Courageous and Confident. Being Hopeful and Visionary

## (PSHE curriculum)