

# Curriculum Overview

## Year 4 Term One 2017

### R.E. Come and See



People

Hinduism

Called

Judaism

Gift



### Mathematics

#### Number and Place Value

Count in multiples of 6, 7, 9, 25 and 1,000.

Find 1,000 more or less than a given number. Count backwards through 0 to include negative numbers. Recognise place value in a four-digit number. Order and compare numbers beyond 1,000. Round any number to the nearest 10, 100 or 1,000.

#### Addition and Subtraction

Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Estimate and use inverse operations to check answers to a calculation. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use.

#### Multiplication and Division

Recall multiplication and division facts for multiplication tables up to  $12 \times 12$ . Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers. Recognise and use factor pairs and commutativity in mental calculations.

### English

Narrative: The Firework Maker's Daughter

Newspapers/Magazines

Play scripts

Poetry: Imagery

#### READING

Secure decoding of unfamiliar words.

Read for a range of purposes.

Retell some stories orally.

Discuss words & phrases that capture the imagination.

Identify themes & conventions.

Retrieve & record information from non-fiction.

Recognise a variety of forms of poetry.

#### WRITING

Correctly spell common homophones.

Increase regularity of handwriting.

Plan writing based on familiar forms.

Use simple organisational devices.

Proof-read for spelling & punctuation errors.

Evaluate own and others' writing.

Read own writing aloud.

#### GRAMMAR

Use wider range of conjunctions.

Select pronouns and nouns for clarity.

## Curriculum Overview

### Year 4 Term One 2017

#### Personal, Social and Health Education (SEAL)

##### **New Beginnings**

Belonging: class charter

Self-awareness

Understanding my feelings and the feelings of others.

Managing my feelings.

Social skills.

Making choices and solving problems.

Rights and responsibilities.

##### **Getting on and falling out**

Friendship

Working together

Managing feelings: anger

##### **Say no to bullying**

What is bullying?

#### Spanish

Listen to and follow a short story and rhyme. Appreciate the similarities between nursery rhymes in Spanish and in English.

Understand and give the names of the body parts in Spanish.

Understand that all nouns have a gender in Spanish.

Be able to say the names of six zoo animals.

Recognise letters of the alphabet in Spanish and say the vowels in Spanish.

Say four items of clothing.

Participate in singing a Spanish

Christmas song.



#### Computing

##### **E- Safety**

Use internet safely and appropriately.

**We are software developers**

**We are toy designers**

Design & write programs to achieve specific goals, including solving problems.

Use logical reasoning.

Understand computer networks.

Collect and present data appropriately.



#### P.E.

##### **Invasion Games**

'On the attack' - Basketball

##### **Dance**

'Round the clock'

#### PSHE Week

STAY SAFE

Road Safety

Safety online

#### International Day

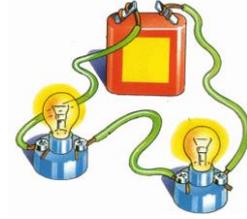
Armistice Day

International Day for Democracy



## Curriculum Overview

### Year 4 Term One 2017



#### Science

##### Physics: Power it up!

Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple circuit. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators and associate metals with being good conductors.

##### Chemistry: States of Matter

Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).

Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

#### History

##### Seaside

Change, cause, similarity and difference

#### Geography

Use fieldwork to study settlement, land use and economic activity: Llandudno. Link 'seaside location' with a contrasting a European regional locality: Barcelona.

#### Art and Design

##### Landscapes and Seascapes (Van Gogh)

Colour, texture and pattern

Improve mastery of drawing and painting techniques using pastel and watercolour.

#### Design and Technology

Focus: Electrical systems (Lighthouses)

Use research and criteria to develop products that are fit for purpose.

Use annotated sketches and prototypes to explain ideas.

Evaluate existing products and own work.



#### Music

Use voice & instruments with increasing accuracy, control and expression.

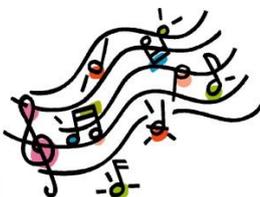
Seaside Songs: listen with attention to detail.

Appreciate wide range of live & recorded music.

Begin to develop understanding of the history of music.

##### Residential Visit

Llandudno



# Curriculum Overview

## Year 4 Term Two 2018



### R.E. Come and See

Community  
Giving and Receiving  
Self-discipline



### Mathematics

#### Further Multiplication and Division

Multiply using a formal written layout.  
Solve problems involving multiplying and adding, including using the distributive law.

#### Statistics (graphs)

Interpret and present data using graphical methods including bar charts and time graphs. Solve problems using information presented in bar charts, pictograms and tables.

#### Fractions

Recognise and show equivalent fractions. Count in hundredths. Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities. Add and subtract fractions with the same denominator.

#### Time

Read, write and convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving converting from hours to minutes, minutes to seconds, years to months, and weeks to days.

#### Decimals

Recognise and write decimal equivalents to  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ . Round decimals to the nearest whole number. Compare numbers with the same number of decimal places. Solve simple measure and money problems involving decimals to 2 decimal places.

### English

Stories from another culture: *Gregory Cool*

Explanation texts and advertisements  
Stories in an imaginary setting: *Oliver and the Seawigs*

#### READING

Read for a range of purposes.  
Retell some stories orally.  
Identify themes & conventions.  
Retrieve & record information.  
Make inferences & justify predictions.  
Recognise a variety of forms of poetry.  
Identify & summarise ideas.

#### WRITING

Correctly spell common homophones.  
Plan writing based on familiar forms.  
Organise writing into paragraphs.  
Use simple organisational and presentational devices.  
Proof-read for spelling & punctuation errors. Evaluate own and others' writing.

#### GRAMMAR

Use wider range of conjunctions.  
Use perfect tense appropriately.  
Select pronouns and nouns for clarity.  
Use and punctuate direct speech.  
Use commas after fronted adverbials.  
Use apostrophes to mark plural possession.

## Curriculum Overview

### Year 4 Term Two 2018

#### Personal, Social and Health Education (SEAL)

##### Going for goals

Knowing myself as a learner  
Setting realistic goals  
Persistence and perseverance

##### Good to be me

Knowing myself  
Understanding feelings of  
disappointment  
Managing my feelings: hidden  
Feelings.  
Assertiveness: passive, aggressive and  
assertive behaviour.  
Calming down techniques

#### Spanish

Say the Spanish for family  
Members, knowing when to use 'el' and  
'la'.  
Ask for and give information about  
brothers and sisters.  
Acquire cultural knowledge about  
family life in Spain.  
Know and recognise the names of nine  
pets in Spanish.  
Say a sentence in Spanish using  
'Tengo' to talk about pets.  
Understand simple rules for  
converting singular nouns into a plural  
form.  
Identify specific items of vocabulary  
in a longer text.



#### Computing

##### E-Safety

Use internet safely and appropriately

##### We are musicians

##### We are HTML editors

Design & write programs to achieve  
specific goals: digital music.  
Use logical reasoning.  
Understand computer networks.



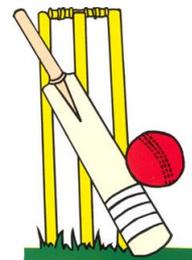
#### P.E.

##### Net/wall games

Tennis

##### Striking and fielding

Cricket



#### International Day

World Wildlife Day



## Curriculum Overview

### Year 4 Term Two 2018



#### Science

##### Biology: How does your garden grow?

Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. Investigate the way in which water is transported within plants. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

##### Biology: Food and our Bodies

Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

#### History

##### Traditions, beliefs and history of rainforest countries

Study of a non-European society that provides contrasts with British history.

#### Geography

Locate world's countries, focussing on Americas (Rainforests)

Use simple map symbols and keys.

Use 8 points of compass.

Use four-figure grid references.



#### Art and Design

##### Aboriginal Art

Colour and pattern.

Experiment with collage to explore ideas.

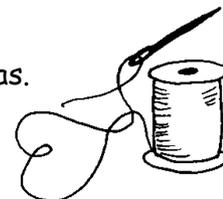
Use sketchbooks to record observations and designs.

#### Design and Technology

Focus: textiles

Use annotated sketches to visualise and explain ideas.

Evaluate existing products and own work.



#### Music

Sounds of the forest

Use voice & instruments with increasing accuracy, control and expression.

Improvise & compose music.

# Curriculum Overview

## Year 4 Term Three 2018



### R.E. Come and See

New Life

Building Bridges

God's People



### Mathematics

#### Money

Estimate, compare and calculate money in pounds and pence.

#### Mass, Volume, Length and Area

Convert between different units of measure.

Measure and calculate the perimeter of a rectilinear figure.

Find the area of rectilinear shapes by counting squares.

#### Properties of Shapes

Compare and classify geometric shapes based on their properties and sizes.

Identify acute and obtuse angles.

Compare and order angles by size.

Identify lines of symmetry in 2-D shapes.

Complete a simple symmetric figure.

#### Position and Movement

Describe positions on a grid as coordinates.

Describe movements between positions as translations to the left/right and up/down.

Plot specified points and draw sides to complete a given polygon.

#### Roman Numerals

Read Roman numerals to 100 and know that over time, the numeral system changed to include the concept of 0 and place value.

### English

Stories with moral dilemmas: Jemmy

Button

Persuasive Writing

Poetry: Exploring Form

#### READING

Retell some stories orally.

Discuss words & phrases that capture the imagination.

Identify themes & conventions.

Retrieve & record information.

Make inferences & justify predictions.

Identify & summarise ideas.

#### WRITING

Plan writing based on familiar forms.

Use of Digital Literacy.

Organise writing into paragraphs.

Use simple organisational devices.

Proof-read for spelling & punctuation errors.

Evaluate own and others' writing.

Read own writing aloud.

#### GRAMMAR

Use wider range of conjunctions.

Use perfect tense appropriately.

Select pronouns and nouns for clarity.

Use & punctuate direct speech.

Use commas after fronted adverbials.

Use Standard English correctly in speech and writing.

## Curriculum Overview

### Year 4 Term Three 2018

#### Personal, Social and Health Education (SEAL)

##### Relationships

Knowing myself and taking  
responsibility

Social skills: loss and special people.

##### Changes

Understanding the feelings of fear and  
discomfort.

When change is difficult for others.

Managing my feelings arising from change.



#### Whole school curriculum week

What a wonderful world



##### PE

##### Gymnastics

6 skill sequence

##### Athletics

Run, jump, throw

#### Computing

##### E-safety

Use internet safely and appropriately

##### We are co- authors

##### We are meteorologists

Design & write programs to achieve  
specific goals.

Use logical reasoning.

Understand computer networks.

Collect and present data appropriately.

#### Spanish

Become familiar with the layout of  
a simple bilingual dictionary.

Understand seven leisure activities.

Express likes/dislikes of leisure pursuits.

Understand an interview between two  
native Spanish speakers talking about  
hobbies.

Understand and say numbers 12 -  
31.

Know the names of five means of  
transport.

Know the names and location of major  
ports and airports in Spain.



#### International Day

World Oceans Day



## Curriculum Overview

### Year 4 Term Three 2018

#### Science

##### Physics: What's that sound?

Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from sounds travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.

##### Scientific enquiry: Brilliant Bubbles

#### History

##### The Roman Empire and its impact on Britain

Julius Caesar's attempted invasion in 55-54 BC.

The Roman Empire by AD 42 and the power of its army.

Successful invasion by Claudius and conquest, including Hadrian's Wall.

British resistance (Boudica).

"Romanisation" of Britain: Chester.



#### Geography

Use fieldwork to study settlement, land use and economic activity:  
Chester.

#### Art and Design

##### Roman Art

Roman mosaics using clay tiles, collage and ICT.

Improve techniques such as painting and sculpture with clay.

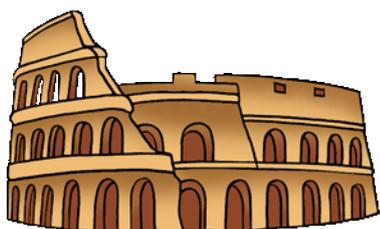
#### Music

Use voice & instruments with increasing accuracy, control and expression.

Improvise & compose music.

Listen with attention to detail.

Appreciate wide range of live & recorded music.



#### Educational Visit

Chester (Settlement Study)

