

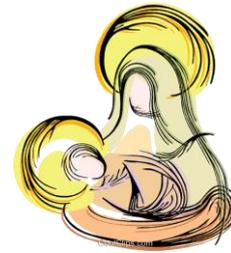
Curriculum Overview

Year 5 Term One 2017

R.E. Come and See



Ourselves
Hinduism
Life Choices
Judaism
Hope



Mathematics

Number and Place Value

Read, write, order and compare numbers to 1,000,000. Count in steps of powers of 10 for any given number. Round to the nearest 10, 100, 1,000, 10,000 and 100,000.

Addition and Subtraction

Add and subtract whole numbers using formal written methods. Add and subtract numbers mentally with increasingly large numbers. Use rounding to check answers to calculations.

Multiplication and division

Identify multiples and factors, including factor pairs and common factors. Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Multiply and divide numbers using a formal written method. Recognise square and cube numbers.

Word problems

Solve problems involving all of the above.

Statistics (graphs)

Complete, read and interpret information in tables. Solve problems using information presented in a line graph.

English

The Adventures of Odysseus
Classic and Narrative Poetry:
The Highwayman
Jabberwocky

READING

Increase familiarity with a wide range of books, including myths and fiction from our literary heritage.

Learn poetry by heart. Prepare poems to perform, showing understanding through intonation, tone and volume.

Draw inferences and make predictions.

WRITING

Distinguish between homophones and other words which are often confused.

Use a dictionary and thesaurus.

Write legibly and fluently.

Use other similar writing as models.

Use organisational and presentational devices to structure text and guide the reader.

GRAMMAR

Use brackets for parenthesis.

Punctuate direct and reported speech.

Use relative clauses.

Use expanded noun phrases.



Curriculum Overview

Year 5 Term One 2017

Personal, Social and Health Education (SEAL)

New beginnings

- Belonging - knowing I am valued in school
- Understanding my feelings - starting something new
- Managing my feelings - strategies to calm myself
- Understanding the feelings of others - valuing others

Getting on and falling out

- Friendship
- Working together
- Managing feelings - anger
- Resolving conflict

Say no to bullying

- Direct and indirect bullying

Spanish

- Use accurate pronunciation.
- Know buildings found on the high street.
- Be able to ask for a place in Spanish.
- Be able to give basic directions in Spanish.
- Take part in a simple conversation.
- Understand a story containing familiar vocabulary.
- Match text and pictures from the story.
- Know how Christmas and New Year are celebrated in Spain.
- Learn and join in singing Christmas songs in Spanish.
- Write a short letter to Los Reyes Magos.

Computing

E- Safety:

Use internet safely and appropriately.

We are Game Developers

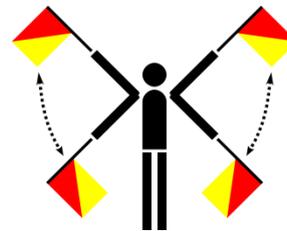
We are Cryptographers

Design & write programs to achieve specific goals, including solving problems, playing a game and creating artwork.

Use logical reasoning.

Understand computer networks.

Collect and present data appropriately.



P.E.

Swimming

Invasion Games

Netball

Dance

'Making the Grade'



PSHE Week

STAY SAFE
Safety on-line
Fire Safety

International Day

Armistice Day
International Day for Democracy

Curriculum Overview

Year 5 Term One 2017



Science

Physics: Let's Get Moving

Explain that unsupported objects fall towards the Earth because of the force of gravity. Identify the effects of air resistance, water resistance and friction. Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

Chemistry: Material World

Compare and group together everyday materials on the basis of their properties. Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. Decide how mixtures might be separated, including through filtering, sieving and evaporating. Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. Demonstrate that dissolving, mixing and changes of state are reversible changes. Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.

History

Ancient Greece

A study of Greek life and achievements and their influence on the western world.

Geography

Map work - Use 4- and 6-figure grid references, symbols and key (including the use of Ordnance Survey maps).



Art and Design

Core skills - colour mixing

Stained Glass

Work from first and second-hand observation.

Marc Chagall; Paul Klee; Islamic Stained Glass (geometric patterns)

Wire sculpture



Design and Technology

Focus: Food technology

Understand seasonality; prepare & cook mainly savoury dishes.

Music

Folk Music

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

Appreciate wide range of live & recorded music.

Begin to develop understanding of music history.

Curriculum Overview

Year 5 Term Two 2018



R.E. Come and See

Mission

Memorial Sacrifice

Sacrifice



Mathematics

Fractions

Compare and order fractions whose denominators are multiples of the same number. Identify and write equivalent fractions. Recognise mixed numbers and improper fractions and convert from one form to the other. Add and subtract fractions with denominators that are multiples of the same number. Multiply fractions by whole numbers.

Decimals

Read and write decimal numbers. Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place. Read, write, order and compare numbers with up to 3 decimal places.

Percentages

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100'. Write percentages as a fraction with denominator 100, and as a decimal fraction.

Geometry

Estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees ($^{\circ}$). Identify angles at a point and on a straight line. Use the properties of rectangles to find missing lengths and angles. Distinguish between regular and irregular polygons.

English

Shakespeare's Macbeth
Biographies (Monarchs)

Narrative: There's a Boy in the Girls'
Bathroom

READING

Increase familiarity with a wide range of books, including modern fiction and fiction from our literary heritage.

Retrieve, record and present information from non-fiction.

Make inferences and predictions.

Prepare play scripts to perform, showing understanding through intonation, tone and volume.

WRITING

Use further prefixes and suffixes.

Use a wide range of devices to build cohesion within and across paragraphs.

Perform own compositions.

GRAMMAR

Use modal verbs and adverbs.

Use perfect and passive verbs.

Use the subjunctive form.

Punctuate colons, semi-colons and bullet points.

Use dashes and commas for parenthesis.

Curriculum Overview

Year 5 Term Two 2018

Personal, Social and Health Education (SEAL)

Going for Goals

Knowing myself
Setting a realistic goal
Planning to reach a goal
Evaluation and review

Good to be me

Understanding my feelings
Using a calming down strategy
Managing my feelings
Using strategies to help me feel
positive
Disagreements without falling out
Making choices

Spanish

Express likes / dislikes of
different sporting activities.
Be able to find words in a Spanish
dictionary and check spelling.
Know how to say numbers 1 - 50 in
Spanish.

Join in a playground game.
Say ten food items in Spanish.
Express likes / dislikes of
different foods.

Extend basic sentence by
introducing connectives.
Identify similarities and
differences in eating habits and
custom between the UK and Spain.



Computing

E- Safety:

Use internet safely and appropriately.

We are artists

We are web developers

Design & write programs to achieve
specific goals, including solving
problems, playing a game and creating
artwork.

Use logical reasoning.

Understand computer networks.

Collect and present data appropriately.



P.E.

Swimming

Net/wall games

Tennis

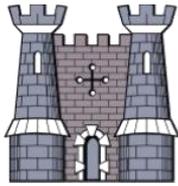
Striking and fielding

Cricket



International Day

World Wildlife Day



Curriculum Overview

Year 5 Term Two 2018

Science

Biology: Circle of Life

Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.

Biology: Growing Up and Growing Old

Describe changes as humans develop to old age.

History

Castles

chronology, change, cause, similarity and difference.

The changing power of monarchs

A study of an aspect or theme in British history beyond 1066.

Geography

Use the 8 compass points.

Beeston castle: Use fieldwork to observe, measure & record human and physical features (sketch maps and digital technologies).

Art and Design

Castles

George Birrell; John Piper
Building texture (drawing/collage)
Collagraph printing

Portraits (monarchy)

Work from first and second-hand observation (focus - proportion).
Hans Holbein; Lucian Freud; Andy Warhol



Design and Technology

Focus: Materials and mechanics (castles)

Use annotated sketches /prototypes to explain ideas. Apply understanding of how to strengthen, stiffen and reinforce more complex structures. Understand and use mechanical systems in their products [gears, pulleys, cams, levers and linkages].

Evaluate existing products and improve own work.

Music

Medieval instruments and vocal music

Use voice & instruments with increasing accuracy, control and expression

Improvise & compose music



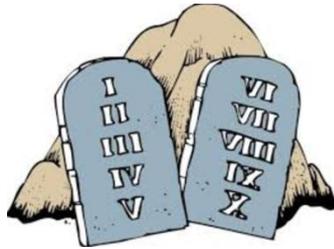
Residential Visit

Beeston Outdoor Education Centre

Curriculum Overview

Year 5 Term Three 2018

R.E. Come and See



Transformation
Freedom and Responsibility
Stewardship



Mathematics

Position and Movement

Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language.

Measurements

Convert between units of metric measure. Understand and use approximate equivalences between metric units and common imperial units. Solve problems involving converting between units of time.

Area and Perimeter

Measure and calculate perimeter. Calculate and compare the area of rectangles (including squares), and estimate the area of irregular shapes.

Volume

Estimate volume and capacity.

Roman Numerals

Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.



English

Film Narrative: Chaperon Rouge
Legends: John the Bold and the Mighty Dragon
Stories from other cultures: The Great Wave
Titanic

READING

Increase familiarity with a wide range of books, including legends, traditional stories and books from other cultures and traditions.

Make inferences and predictions.

WRITING

Spell some words with 'silent' letters. Plan writing to suit audience and purpose. Develop character, setting and atmosphere in narrative.

GRAMMAR

Use hyphens to avoid ambiguity. Use commas to clarify meaning in writing. Revise relative clauses beginning with who, which, where, when, whose, that or with an implied (omitted) relative pronoun.

Curriculum Overview

Year 5 Term Three 2018

Personal, Social and Health Education (SEAL)

Relationships

Knowing myself
Managing my feelings
Understanding the feelings of
others
Social skills
Making choices

Changes

Knowing myself- difficult changes
Recognising 'sore spots'
Understanding the feelings of
others
How we respond to change
Managing my feelings
Change and positive outcomes
Change and belonging to a
community

Whole school curriculum week

What a wonderful world



PE

Swimming

Gymnastics

'Acrobatic gymnastics'

Athletics

Run, jump, throw

Computing

E- Safety:

Use internet safely and
Appropriately.

We are bloggers

We are architects

Collect and present data.
Use logical reasoning.
Understand computer networks.

Spanish

Know what is eaten at breakfast time in
Spain.

Be able to say the name of breakfast food
/ drink items.

Write a simple shopping list.

Give the date in Spanish.

Identify the date from an audio recording.

Understand and say weather conditions.

Be able to say where you live and describe
the climate.

Understand that there are
'stereotypical' images associated
with countries.

Consider key similarities and
differences in daily life in the
UK and Spain.

Identify similarities /
differences in
supermarkets in the UK and
Spain.

Review key vocabulary and structures
learned during Year 5.



International Day

World Oceans Day



Curriculum Overview

Year 5 Term Three 2018

Science

Physics: Out of this world

Describe the movement of the Earth and other planets relative to the sun in the solar system. Describe the movement of the moon relative to the Earth. Describe the sun, Earth and moon as approximately spherical bodies. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Super Scientists: Science in the real world

History

Silver Jubilee Bridge and the New Mersey Crossing - A study of an aspect of history that is significant in the locality.

Geography

Water

Use maps, atlases, globes and digital/computer mapping to locate countries, oceans, seas and rivers.

Describe & understand climate, volcanoes, earthquakes, rivers and the water cycle.
River Mersey: Use fieldwork to observe, measure & record human and physical features in the local area (sketch maps, plans and graphs).

Understand the distribution of natural resources (water).

Understand geographical similarities and differences through study of a region of the UK (River Mersey), a region in South America (Amazon River) and a region in Asia (Mekong River).



Art and Design

Water (Hokusai's 'The Great Wave')

Line and Pattern

Impressed (relief) printing - Japanese wall hangings

Design and Technology

Focus: Textiles (needlework - water scenes)

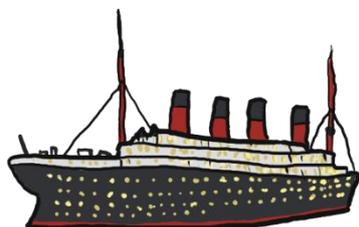


Music

Handel's Water Music

Use voice & instruments with increasing accuracy, control and expression

Improvise & compose music



Educational Visit

Titanic Museum (Liverpool)