

Year 4 Curriculum

Autumn 2



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1. St Joseph's Wider Curriculum
2. Reading including phonics
3. Writing
4. Maths
5. RE
6. Science
7. Computing
8. History or Geography

St Joseph's Wider Curriculum

The wider curriculum focus this term is 'Enterprise'.

During this term, we will be looking at how to come up with a good enterprising idea that is viable and cost effective. We will also be looking at how to use SMART objectives to ensure our entrepreneurial idea is a success.

PSHE objectives will also be taught throughout the unit of work. These include:

- To value the different contributions that people and groups make to the community.
- Diversity: what it means; the benefits of living in a diverse community; about valuing diversity within communities.
- Stereotypes; how they can negatively influence behaviours and attitudes towards others; strategies for challenging stereotypes
- Prejudice; how to recognise behaviours/actions which discriminate against others; ways of responding to it if witnessed or experienced.

There will be many opportunities throughout the term for the school and the wider community to come together to celebrate 'Enterprise'.

Reading including phonics

Expectations for Autumn 2

Reading is crucial for your child's academic development. Each week your child is expected to read 30 minutes every day at home. We ask you to ensure your child brings a book to school every morning as there will be time in the day allocated to independent reading. It is important that children are reading a variety of different types of high quality texts that are based across the whole curriculum. We encourage you to sit with your child and ask them questions so they can respond to the text in a thoughtful manner.

In class we will be reading "Charlie and Chocolate Factory" by Rolad Dahl. We will be sending a new reading list at the beginning of Autumn 2. We strongly encourage pupils to read off this list so that they begin to imitate the language, vocabulary and style in their writing. A copy of the reading list will be available on google classroom.

We will be teaching reading comprehension through VIPERS. VIPERS is an acronym to aid the recall of the 6 reading domains as part of the UK's reading curriculum. They are the key areas which we feel children need to know and understand in order to improve their comprehension of texts. VIPERS stands for Vocabulary, Inference, Prediction, Explanation, Retrieval and Sequence or Summarise.

Objectives for Autumn 2

- I can read and understand stories
- I know the difference between fact and opinion
- I understand how paragraphs or chapters are used to collect, order and build up ideas
- I can identify effective language to describe a setting
- I can identify the features of a newspaper report
- I can identify ways in which authors use similes and create imagery in a poem
- I can predict what will happen next
- I understand how information can be organised effectively, scan texts (in print or on screen) to locate information needed and prepare for factual research
- I can locate and sequence words in alphabetical order (dictionary & thesaurus work)
- I can identify features of myths and I can draw inferences

- I can identify the features of an explanation
- I can recognise and evaluate simple forms of poetry including free verse
- I can find features of a story that raise an issue or dilemma and I can identify features authors use in fantasy and science fiction stories
- I can identify the features of persuasive texts
- Revisit skills previously taught
- I can identify the differences between narrative and play scripts
- I can tell the difference between types of non-fiction texts

Key vocabulary

Retrieval - confidently skim and scan, and also use the skill of reading before and after to retrieve information.

Vocabulary-explore the meaning of words in context, confidently using a dictionary.

Prediction- predicting what might happen from details stated and implied support predictions with relevant evidence from the text.

Inference- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.

Summarise - summarising the main ideas drawn from more than one paragraph, page, chapter or the entire text identifying key details to support the main ideas.

Explaining - provide increasingly reasoned justification for my views to recommend books for peers in detail.

Ways to help your child and useful resources

Read with your child every night!

Shared reading

Visits to the library

Listening to audiobooks

Discussing books and other non-fiction texts

Watching Newsround

Writing

Expectations for Autumn 2

Our English curriculum this term will include weekly creative writing, grammar, punctuation and spelling exercises.

This term we will be writing a narrative Charlie and the Chocolate factory by Roald Dahl and a factual tour Inspired by 'Once Upon A Raindrop, The Story Of Water' by James Carter. Pupils will be learning the skills to write their own version of the factual tour.

In class we will be reviewing and consolidating grammar from Year 3 and then moving towards the year 4 curriculum. This term we are focussing on powerful sentences, accurate use of determiners, explanatory statements and persuasive statements. There may be occasional homework on this. There will be a weekly spelling test every Friday. Each week's spellings will focus on a different spelling pattern (words with -ay sound spelt eigh, ei, ey, words ending in -ous, adding prefix auto-, adding the suffix -ly, adding the prefix inter).

Objectives for Autumn 2

- I can write a narrative using paragraphs
- I can write a report
- I can make effective short notes, edit down and re-word a sentence or paragraph
- I can write an explanation text
- I can write a short story that raises an issue or dilemma
- I can research and prepare an oral/visual presentation
- Identify root words and prefixes and suffixes in reading and spelling Identify root words and prefixes and suffixes in reading and spelling
- Understand what the spelling of some words needs to be learnt specifically (see word list) Understand what the spelling of some words needs to be learnt specifically (see word list)
- Use dictionaries to check the spelling and meaning of words Use dictionaries to check the spelling and meaning of words
- Join letters using diagonal and horizontal strokes
- Understand which letters, when adjacent to one another, are best left un joined
- Keep all my letters of an even size

- Make sure the downstrokes of letters are parallel
- Space all the lines of writing so that the ascenders and descenders do not touch

Key vocabulary

bulging

glaring

reaching

stretching

harmony

tumbling

contaminated water

desperation

Ways to help your child and useful resources

Read Up. 'Regular reading is a stepping stone to better writing and helps kids'

To strengthen their writing skills:

- Incentivize free writing at home
- Make it Fun!
- Write Letters
- Encourage journaling and diary writing
- Create a writing space

Maths

Expectations for Autumn 2

We use Maths - No Problem! (Singapore Maths) programme to support and deepen their understanding of Maths. This will be embedded by using concrete, pictorial and finally abstract strategies. The practical use of the resources enhances the children's learning. This term we will begin focussing on multiplication and division. Once a week the children will be taught arithmetic skills alongside an arithmetic test to improve mental calculation strategies. The children should practice their times tables weekly and continue to revise them to build their skills.

Objectives for Autumn 2

- I can divide numbers up to 4 digits by a 1-digit number using a written method and interpret remainders.
- I can multiply numbers up to 4 digits by a 1 digit number using a written method.
- I can recall \times and \div facts for multiplication tables up to 12×12 .
- I can use place value, known and derived facts to divide mentally.
- I can use place value, known and derived facts to multiply mentally.

Key vocabulary

Multiplying

Dividing

Word problems

Digit

Multiples

Ways to help your child and useful resources

<https://www.bbc.co.uk/bitesize>

<https://login.mathletics.com/>

<https://www.purplemash.com/login/>

<https://app.atomlearning.co.uk/>

RE

Expectations for Autumn 2

In RE, we are learning about The Trust of God. In RE we use The Way, The Truth and The Life (WTL) programme as the main resource to support the teaching of Religious Education.

We follow the guidelines set by the Diocese of Southwark, which includes 10% of the timetable each week devoted to the Religious Education curriculum. Our aim is to foster caring and understanding in our pupils.

Objectives for Autumn 2

- Learning to Trust
- Trust is not always easy
- The Promise God made to Zechariah
- The Promises God made to Mary
- Joseph put his trust in God
- God fulfills his Promise
- Christmas

Key vocabulary

God
Galilee
Disciples
faith
Zechariah
Temple
Angel Gabriel
prophets

Ways to help your child and useful resources

https://uk-en.superbook.cbn.com/sb_bible

[The Children's Bible \(biblehub.com\)](http://biblehub.com)

Science

Expectations for Autumn 2

Our science topic this term is 'Animals including Humans'. We aim to make science as practical as possible, linking it to real-life contexts and giving meaning to our learning. We want our pupils to be hands-on, passionate scientists who make predictions, test their theories and evaluate their findings.

Objectives for Autumn 2

- To understand what happen to the food we eat
- To understand the importance of brushing teeth and the effects of tooth decay.
- To compare different animal's teeth.
- To understand the function of the digestive system.
- To understand how the digestive system works.
- To recognise what a food chain represents.

Key vocabulary

Nutrients
Saliva
Digestive system
Large Intestine
Esophagus
Digestion
Anus
Small Intestine

Rectum
Stomach
Food Chain
Producer
Predator
Prey
Omnivore
Herbivore
Carnivore
Teeth
Mouth
Incisor
Premolars
Molar
Canine

Ways to help your child and useful resources

<https://www.natgeokids.com/uk/>

<https://www.nasa.gov/>

Computing

Expectations for Autumn 2

Computing is important for the children to learn, as it develops problem solving skills, and it opens their eyes to the digital world. In class, the children will follow the scheme Purple Mash. We will be looking at 2Logo. 2Logo is a text-based coding language used to control an on-screen marker to create mathematical patterns. This will help the children to learn common commands and constructs of the Logo programming language and develop their ability to compose algorithms for drawing mathematical structures and turn these into Logo code.

Objectives for Autumn 2

Introduction to Logo

To learn the structure of the language of 2Logo.

To input simple instructions in 2Logo

To use 2Logo to create letter shapes.

To use the Repeat command in 2Logo to create shapes.

To use and build procedures in 2Logo.

Assessment

Key vocabulary

2Logo

common instructions

create shapes

w patterns

Repeat command

mathematical patterns

Ways to help your child and useful resources

www.bbcbitessize.co.uk

www.hrp.org.uk

Geography

Expectations for Autumn 2

Children should have a knowledge and understanding of the important events that took part in Settlements and make connections with how it has formed the present. History as well as Geography will be used to enrich the pupil's understanding of where they have come from within the wider global community.

Objectives for Autumn 2

To understand how groups of Anglo-Saxons decided where to start settlements in Britain by considering both the local environment and the wider environment.

To describe the materials and construction of Anglo-Saxon buildings.

To understand why many Anglo-Saxon settlers came to Britain and to describe their farming methods.

To understand that Anglo-Saxons made their own clothes from wool & plant materials, including the use of natural dyes.

To appreciate the different jobs and leisure activities of the Anglo-Saxons.

To find evidence in their locality about the Anglo-Saxons

Key vocabulary

Anglo-Saxons
Settlements
Local environment
Farming
Natural dyes

Ways to help your child and useful resources

www.bbcbitesize.co.uk

www.hrp.org.uk