



Curriculum Newsletter

Spring: Year 5



Facebook

<https://www.facebook.com/stmaryscockertonschool>

Our Christian value this term is:



Reading

The children have made a great start on their *Reading Plus* journey and are really enthusiastic to take part in our daily reading sessions. Children read texts that are personalised to their exact word recognition, vocabulary and comprehension level.

As well as our digital reading, the children are encouraged to read their school book and will have regular opportunities to also visit Cockerton Library to select a book for pure enjoyment.

It is really important that the children read regularly outside of school too. We expect them to record this reading in their reading diaries where there is further guidance.



Class text:

Cosmic by Frank Cottrell-Boyce

Mathematics

Building on their learning from Autumn Term, the children will explore:

- Multiplication and division (formal methods)
- Fractions (multiplying and fractions of amounts)
- Decimals and percentages
- Perimeter and area
- Statistics

Key Vocabulary

Area model, grid method, formal method, short division, remainders, integer, unit fraction, mixed number, quantity, operators, equivalent, tenth, hundredth, thousandth, decimal, fraction, percentages, convert, perimeter, area, compound shape, rectilinear, polygon, estimate, line graph, two-way table, interpret.

Computing

In the first half term, the children will explore creating media video production.

In the second half term, we will study flat file databases.

Key Vocabulary

Video, audio, camera, talking head, panning, close up, video camera, microphone, lens, close up, mid range, long shot, moving subject, side by side, high angle, low angle, normal angle, storyboard, filming, review, import, split, trim, clip, edit, reshoot, delete, trim, reorder, export, evaluate, share.

Database, data, information, record, field, sort, order, group, search, value, criteria, graph, chart, axis, compare, filter, presentation.

Writing

Spelling: -fer, silent letters, Y5/6 challenge words, ie after c, ough and homophones.

Grammar: subordinate & relative clauses, adverbials, parenthesis, figurative language, tenses, varying sentence structure, semi-colons to join clauses, conjunctions, expanded noun phrases and passive voice.

Purposes for writing : to instruct/to entertain

Text types: Instructions (recipes), instruction manual for an astronaut, entertaining adverts (related to space) and Greek myths.



Science

In the first half term, our topic is *Earth and Space*.

In the second half term, we will look at *Life Cycles and Reproduction*.



Key Vocabulary

Celestial bodies, Solar System, orbit, spherical, the Moon, the Sun, planet, Earth, elliptical, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, gravity, dwarf planet, Pluto, phase, axis, tilt, season, daytime, night time, calibrate, gnomon, horizon, sundial, artificial satellite, natural satellite, space junk and climate change.

Religious Education

'How can following God bring freedom and justice?' - we will focus on what life was like for Hebrew slaves living in Egypt and the story of Moses freeing the Israelites. We will look at the ten commandments and think about whether they are still important in society today. After half term we will focus on another 'Understanding Christianity' unit with the big question 'What did Jesus do to save human beings?' We will think about how Christians interpret the death of Jesus and where this fits into the 'Big Story' of the Bible.

RSHE

This term, there will be a great emphasis on internet safety. We will look at the many great benefits of safe internet use in the modern world as well as the risks and dangers that it can pose to young people. Children will learn about how to stay safe online and how to protect their personal information. The unit will cover online relationships both positive and negative and will consider internet bullying and peer pressure.

Parents' / Carers' Evenings—Monday 11th March and Monday 18th March

Appointment letters will be sent home on Friday 1st March

We would like to invite you to join our Agape services on Tuesday 6th February and Tuesday 19th March at St Mary's Church at 2.30pm.

These are special services to show God's love.



Our PE days are:

Tuesday and Thursday

Please look at your child's **Home Learning** book for ways to support their education—this includes our minimum expectations as well as lots of ideas for additional activities. Homework tasks will be given out on a Thursday to be completed and returned the following Monday.

History

What did the Greeks ever do for us?

Children will: describe the features of Ancient Greece, identify key periods in Greek ancient civilisation, learn about Greek gods, understand different types of democracy, compare Sparta and Athens, understand a little about Greek philosophy and consider the legacies left behind by this amazing civilisation!



Key Vocabulary

Assembly, constitutional monarchy, democracy, direct democracy, ethics, government, period, philosophy Oligarchy and representative democracy.

Physical Education

During the first half term, the children will explore net games. The class also will work with Go Well to complete 'Team Up' sessions to introduce them to the benefits of movement and the chemicals in the body that are activated when they exercise. In the second half term, the children will experience dodgeball and look at improving skill and technique in gymnastics.



Children will attend the Dolphin Centre each Tuesday for swimming lessons.

Art and Design

Our topic is: *I need space.*

Pupils will look at artwork related to space and look at the purpose and effect of imagery during the 'Space Race'. They will look at printmaking at Tiers Albert's *Moonwalk*.



Design and Technology

Our topic is: *Cooking and Nutrition* : developing a recipe. The children will look at beef production , research a traditional bolognese recipe and adapt this to create their own as well as considering nutritional value.

Geography

Why do oceans matter?

This half term, we'll look at the water cycle and how oceans are used for human activity. We will consider links between the ocean and the world's climates/temperature. Children will learn about ways to protect the oceans and the barrier reefs.

Key Vocabulary

Atmosphere, biodegradable, buffer, coral bleaching, reef, disposable, ecology, ecosystem, erosion, geology, habitat, human footprint, microplastics, natural disasters, renewable energy, species and water cycle.

Music

In the first half term, our music lessons are linked to Adele's version of *Make me feel your love*. Children will sing, play, improvise and compose.

In the second half term, our unit is based around *The Fresh Prince of Bel-Air* -games, the interrelated dimensions of music (pulse, rhythm, pitch etc.), singing and playing instruments are all linked in this fun-packed unit.



French

We will look at vocabulary related to space and then to the Olympics which should work nicely alongside our Ancient Greek unit.

Other key information

Class 5 would like to invite you to their assembly marking World Water Day on Wednesday 27th March from 9.15 – 9.45 am. (tea and coffee from 9.00am)

An invitation will be sent nearer the time.

We will continue to visit Cockerton Library once every three weeks so that the children can select books to borrow for pleasure and information.