



Half-Term Curriculum Overview



Year 5 Autumn 2 - 2016

English

This term we will be learning to:

- **Reading:**
- Understand the word choices a writer makes to convey character.
- Understand themes a writer puts across.
- Compare openings of novels with those on similar themes.
- **Writing:**
- Plan, write and edit effective mystery stories.
- Develop atmosphere and tension.
- Use direct and indirect speech to convey character.
- Plan, write and edit effective discussions.
- Use linking devices to balance ideas in paragraphs.
- Write formally and professionally.
- Write engaging informal diary entries.
- Use a variety of sentence structures.
- Write and perform play-scripts.
- **Speaking and listening:**
- Debate with peers over certain contentious issues.
- Listen to other children's opinions to inform a judgement.
- Recite poetry before an audience.

Mathematics

This term we will be learning:

- To use formal written methods to solve addition, subtraction, division and multiplication problems.
- To develop mental maths strategies using 'RaPaCoDaNumbo.'
- To understand co-ordinates.
- To understand symmetry and translation.
- To find perimeters and areas of compound shapes.
- To read and use scales of varying divisions effectively.
- To convert measurements from m – km and from imperial to metric using charts.
- To solve simple algebra problems.
- To solve problems involving ratio.

Number Facts

This ½ term we are going to be practising **all** the times tables!

At home, we would like you to practise squared numbers and inverse equivalents. (E.g.: If $3 \times 3 = 9$, the square root of $9 = 3$.)

Science – THE PROPERTIES OF MATERIALS

This half-term we will be learning to:

- Make hypotheses relevant to a scientific investigation based on real world knowledge.
- Collect accurate data and present and analyse in various forms (bar charts, graphs).
- Make observations based on questions or ideas under assessment.
- Understand the differences in particle structure in solids, liquids and gases.
- Understand how certain materials have different uses.
- Understand why some materials dissolve and others don't.
- Understand how thermal insulators work and plan experiments thereon.

Homework

- **Learning Logs:** Children choose a *minimum* of 5 activities to complete over the term. The learning log is to be returned to school on the final week of the term. However, teachers may ask children to bring them in at regular intervals to check progress children are making.
- **Maths:** mymaths.co.uk homework is to be completed weekly.
- **Spellings:** A test each **Friday** and new spellings to be learnt given out on a **Friday**.
- **Reading:** To be practiced regularly. Books are changed when necessary.
- **Library Books** can be changed by Y5 at dinner time on a Monday.
- **Home/School Records:** Please ensure these are sent into school every day.

History / Geography – THE LAND OF THE MAYANS

- To recognise the similarities and differences between our own culture and that of the Mayans.
- To understand why the Mayan civilisation came to an end.
- To understand how a Mayan village would be structured geographically.
- To understand where in the world the Mayans were located, using map skills and identifying local landmarks and geographical features.
- To use historical deduction skills to make suggestions as to what certain artefacts represent.
- To understand Mayan culture, including architecture, clothing and customs.

Computing

- To create spreadsheets to help model scenarios using a variety of formulae.
- To cross-reference search results to help validate information on them.
- To create pictures using drawing tools.
- To create an animated GIF image.

PE

- To gain possession by working as a team.
- To use a range of different passes in a game situation.
- To play in a team to help and support each other.
- To choose and use a range of attacking and defending tactics during hand and ball games (i.e. basketball & handball).
- To explain what effect exercise has on their body.

Art / D&T

- To understand how pulley systems work.
- To design a functioning Mayan temple using a pulley system.
- To build the temple according to their planning documents.
- To evaluate the temple's effectiveness.

RE and PSHCE

- To understand what an angel is.
- To understand where angels appear in Bible stories and their relevance.
- To understand what angels mean to them personally.

Music and MfL

- **Music:** To listen with attention to detail and recall sounds with increasing aural memory.
- To play and perform in ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
- **Spanish:** To be able to use time and food vocabulary.

SMSC

In assemblies we will be talking about Remembrance Day and the importance of remembering those that have lost their lives through war. Other themes will include: the many faiths of Great Britain; the valuable work by charities – such as Children in Need and why we have laws. We will also be asking the children important questions such as: Am I respectful? There will also be a special 'enterprise' week where all classes will try and make money for the winter fair and ask themselves could I be an entrepreneur? All children will visit the theatre to watch the yearly pantomime and all will be involved in a Christmas Nativity or music concert. Fundraising through Children in Need will help children understand how we can support others less fortunate than ourselves.



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- ✓ Visit the Parkfield website to: read the latest class news, look at photo slideshows and go to the Parents' Zone to access resources to help you support your child learn at home!
- ✓ Ask your child to login to Edmodo to do online writing and maths tasks at home!
- ✓ Click on the Bug Club link to access the school's exciting online reading scheme.
- ✓ Access School Gateway to pay for school dinners and trips.