



Year 5

Guide To

Autumn Term 2

2016

Our curriculum at Summerlea is creative and designed to forge links between the different areas of learning. Each topic we study is led by a driving question to get us thinking. We have listed the **main** curriculum areas that will be addressed through each question and have given a brief outline of what we will be learning.

This half term our driving questions will be...

What's out there?

Science: We will start our new topic by sharing ideas and prior learning about what we think is out there in space. By exploring scientific evidence, the children will identify spherical bodies in space and name the planets in the solar system including an explanation of how the planets orbit the Sun. Using scientific evidence, we will discover why night and day occur and make predictions about night and day in different places on Earth. The children will discover whether the Moon orbits the Earth or the Sun.

English: Using the learning from our units of Science, we will write detailed explanations about some of the new concepts we have learnt. Each explanation will be planned for a target audience in order to meet the reader's needs with information presented in a clear and engaging way. Poetry about planets will give the children the opportunity to use expressive language in a variety of styles, which will bring the solar system to life.

Art: In Art, the children will explore the work of Pop Artists such as 'Roy Lichtenstein' as an inspiration for creating a space-themed design.

Maths:

Our main objectives are to:

- Revise mental and written addition and subtraction strategies, choose to use a mental strategy or written depending on which is most efficient.
- Recognise which numbers are divisible by 2, 3, 4, 5, 6, 9 and 25 and identify multiples; find factors; recording results systematically and finding all factors of a given number; compare and place fractions on a line; find equivalent fractions and reduce them to their simplest form.
- Use mental strategies to multiply and divide multiples of 10 and 100; use a written method to multiply 3-digit and 4-digit numbers by 1-digit numbers and estimate answers, divide 3-digit numbers by 1-digit numbers using a written method and express remainders as a fraction and solve division word problems.
- Use a protractor to measure and draw angles in degrees; recognise, use terms and classify angles as obtuse, acute and reflex; recognise that angles on a line total 180° and angles round a point total 360° ; identify and name parts of a circle including diameter, radius and circumference; draw circles to a given radius using a pair of compasses; relate angles to turns, and recognise that a 360° angle is a complete turn; use angle facts to solve problems related to turn.
- Place numbers to 100 000 and decimals up to two places on a line, round numbers to the nearest 10, 100 and 1000 and decimals up to two places to the nearest whole number; compare and order numbers with up to two decimal places; reduce fractions to their simplest form; know and recognise equivalent fractions and decimals to half, tenths and fifths.

Any help at home with learning number facts, times-tables and telling the time would be beneficial!

Talk to your child's Class Teacher for ways to help.

Year 5 news and information

The team:

Mrs Howard (Upper Key Stage 2 Phase Leader)

Miss Chaplin (Rowan Class Teacher)

Mr Cox (Aspen Class Teacher)

Mrs Moynihan, Mrs Burge (Leading Learning Support Assistants – PPA cover)

Mrs Mills (Teaching Assistant)

Mrs Dale, Mrs Turvey, Miss Short (Individual Needs Assistants)

Exciting days and events:

Forest Schools – Tuesday mornings 1st November – 6th December

Parent Consultation Evenings – 8th, 9th and 17th November

Anti-Bullying Workshop / Show – 17th November

Year 5 and 6 Carol Concert – 10:15am Tuesday, 13th December

PE Days:

Wednesday – outside PE

Monday / Friday (alternate weeks) – inside PE

NB: It is helpful if your child can have their PE kit in school every day as there may be unforeseen timetable changes or additional activities planned.

Library:

Monday

Homework:

Spellings: set fortnightly, to be tested informally the next week.

Maths: set on a Friday, due in the following Wednesday.

Coats/snacks/drinks and equipment:

Please ensure your child has appropriate clothing for our variable autumnal weather as we aim to go outdoors in all weathers for both learning and break times. A waterproof coat is essential, and waterproof trousers are important for Forest Schools. For outdoor PE, we advise that your child wears trainers and has an alternative jumper.

Please don't hesitate to get in touch with your child's Class Teacher if you have any concerns or queries; our doors are always open.