

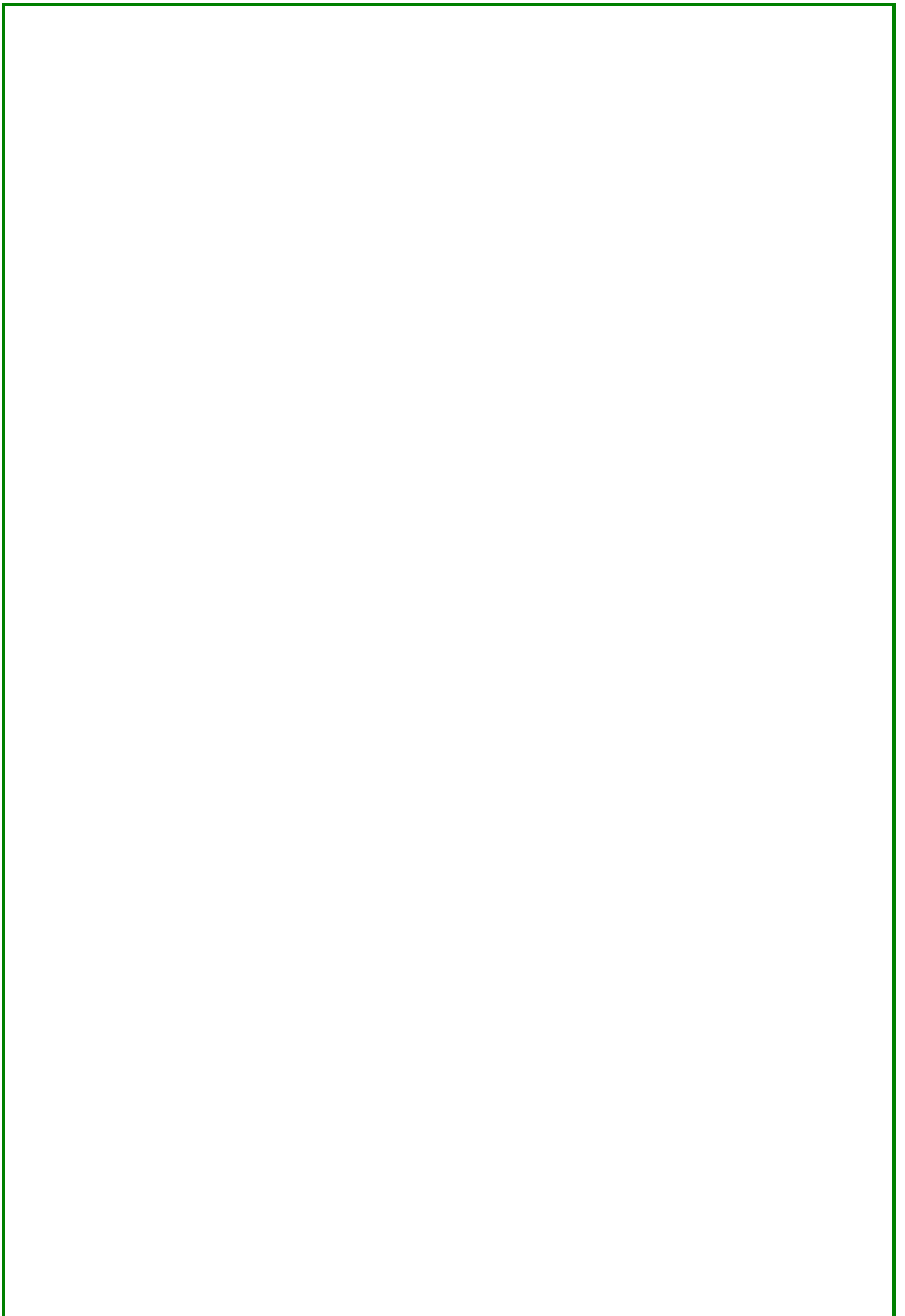
# Year 5

Guide To

Autumn 2

2017





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:** This term we are using the 'The Iron Man' by Ted Hughes as the stimulus for our English work. We will be reading the story and discussing it. The children will be writing poems and stories based on the text.

We will also be reading 'War Horse' by Michael Morpurgo in preparation for a locality project later in the year.

**DT:** The children will be designing and making a moon buggy. They will be developing their technical drawing, measuring and cutting skills.

## 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  $180^\circ$  and angles round a point total  $360^\circ$ ; 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  $360^\circ$  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:

*Key Stage 2 Phase Leader: Mrs Tedbury*

*Aspen Class: Mrs Arnold*

*Rowan Class: Mr Trahern (Monday and Tuesdays) & Mrs Lowe (Wednesday-Fridays)*

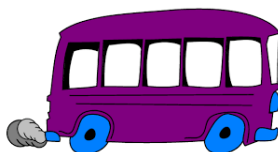
*Mrs Mills (Learning Support Assistant)*

*Mrs Dale and Mrs Turvey (Individual Needs Assistants)*

## Exciting days and events:

Trip to Chichester Planetarium

Y5/6 Christmas Carol Concert:



## PE & Library Days:

Outdoor PE: Friday

Indoor PE: Monday

Library: Monday



*NB: We ask that your child has their PE kit in school every day as there may be unforeseen timetable changes or additional activities planned. Please ensure this comes straight back into school if they take it home after a sports club.*

## Coats/snacks/drinks and equipment:

*Please ensure your child has appropriate clothing for cold/wet weather as we will often still go out when it is raining and remember to ensure they have a separate jumper for outdoor PE. We ask that every child has a water bottle in school and that break time snacks are put in the class box as soon as they come in in the morning.*

*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.*

## Homework



*Homework is non-statutory and, as previously, there is no requirement to complete a set amount each week.*

*Our minimum expectation is that all children should read regularly, ideally every day. Spelling and mental/oral maths practise is also important and homework for these two areas will also be set regularly.*

### **Reading**

*At Summerlea we are positively promoting reading for enjoyment. We want all children to love reading and be able to talk about books they have enjoyed or learned from! Every half-term our school-wide theme will change and we are encouraging children to choose and share texts that fit this in the hope they will be exposed to different types of stories, styles and authors.*

*This half-term's theme is... **Celebrities and Heroes***

*Reading and understanding a full range of text-types and authors will not only bring pleasure but can also develop comprehension, spelling and writing skills. Encourage your child to share and talk about texts with you, visit your local library, hear them read, read to them and enjoy!*



### **Spellings**

*Spellings will be set every two weeks and sent home in a small book.*

*There will be 7 words from our pattern we are learning at school and also 3 individual words that the children choose from a set list of errors in their own work.*

*We have included a spelling strategy sheet to give you a few ideas on how to practise these at home.*



### **Maths**

*We encourage the practising of key mental maths skills and would like children to practise their number bonds, doubling and halving and times tables.*

*More practise will lead to better retention!*

*Your child has their own Mental Maths Passport. In your child's passport is a list of times tables as well as our 'Around The World' objective list. Please spend time practising times tables and your child's Around The World target at home. You can tick them if you think your child has achieved a times table or Around The World target. They will be regularly checked and assessed in class.*

## ***6 things to try before half term...***

In addition, and in the same vein as the National Trust's '50 things to do before you are 11 ¾' we provide a list of suggested activities, linked to the year group topic, your child might like to have a go at during the course of a half term. The suggestions are simply that; ideas to get you and your child thinking about fun and creative ways into exploring learning themes.

Create an alien soup. What ingredients might you use? Write a recipe to bring in to share. Perhaps you could taste it and share with your family.

Design a new planet. Draw or make a model of it. What is your planet going to be like? What creatures live there? What makes the planet different?

Write an information report about a space mission or astronauts. You could find out about Tim Peake and the things that he has done.

Create a timeline of space travel. You could present this in different ways. A presentation to show the class or poster.

Where did the iron man come from? Write a description of his home. Think about why he came to Earth.

You are going on a spaceship and can only take 10 things with you. What will you take? Either write or draw them in your suitcase. You are going to meet some aliens on another planet. What 10 things would you take as presents for them? Draw them in a gift box.

***If you think of any more topic related tasks to do feel free!  
We'd love to hear about, look at and learn from them.***

## Preview/review

*At the beginning of each half term we would also like to invite your child to reflect on previous learning and look forward to new learning.*

*Last half term your big question was  
“World at War for Better or Worse?”*

*What did you learn?*

*This half term our big question is  
“What’s out there?”*

*What do you already know?*