

# Year 5

## Up in the Heavens

### Autumn 1



Hello everybody, we hope that you've had the most amazing summer. We are raring to go and hope you are too!

This year, we will be exploring the curriculum through exciting and engaging topics - starting with our topic 'Up in the Heavens'. The children will be blown into Space with an immersive experience in the wonder dome (planetarium) followed by an explorative search of earth, space and our solar system throughout the half term. The topic title also links closely to our other focus 'Ancient Greece'. As we delve into this ancient civilization, we will understand the impact it has had on our modern world. We believe we have created a Year 5 curriculum which will enthuse and inspire your children, enabling them to build on their skills, use the outdoors and challenge their creativity allowing them to reach their full potential. We are all sure that you will all have an enjoyable first half term.

We are looking forward to working with your children and being part of their learning journey at Sandal Primary. If you have any questions or queries about Year 5, please feel free to contact us.

#### Teachers and support staff in Year 5

5S: Class teacher – Miss Silvester, Mrs McNulty

5P: Class teacher – Miss Ahmed

Support staff – Mrs Barnes, Miss Gibson and Mr Naughton

#### Dates to remember:

**Astronaut Day: Friday 13<sup>th</sup> September**

**Outdoor Learning:**

**5P - Friday 20 September, Friday 4<sup>th</sup> October**

**5S – Wednesday 18<sup>th</sup> September, Friday 11<sup>th</sup> October**

#### Homework:

We will be setting homework in the areas of LBH (Learn by Heart), Spellings, and Reading. We kindly request that you ensure your child engages in reading for a minimum of three times a week, for at least 20 minutes each time.

#### PE days:

Please remind children to come to school in their PE kit on Friday. On Thursdays, they will be swimming.

5P – Friday

5S – Friday

This MUST be the Sandal PE kit, consisting of their house PE t-shirt, black shorts or joggers and a black hoodie. Please ensure all items of clothing are clearly named.

**Snacks** –Please remember snacks must NOT contain nuts and should be low in sugar.

#### Personal Development

Our whole school theme this term is our Root of Learning “Daring to be Different” and the British Value of Tolerance.

#### PSHE

Our PSHE theme for this half term is ‘Being me in my world.’ We will start this topic by positively looking at the year ahead and how we can face new challenges to achieve our own goals. We will then explore our rights and responsibilities as a British citizen and how our behaviour can have a wider impact.

#### PE

This half term, in PE lessons, we will be firstly focusing on football, which is all about fitness and stamina, two elements which can have a positive impact on a child’s cognitive function outside of PE

## Our World

### History

Across the term, children will be studying Greek life and achievements and their influence on the Western World. As part of their learning, they will take an enquiry-based approach to explore a variety of different sources to find out what life was like during Greece during ancient times.



### RE

Throughout this half term, we will learn all about holy places and pilgrimages. Our focus question will be 'Why are some journeys and places special?' and will concentrate on the following faiths: Islam, Christianity, Judaism and Sikhism.

## STEM

### Science

This half term, as we head into the solar system to understand our earth, the moon, the planets, stars and beyond we hope pupils will become enthralled with this fascinating topic. We will take part in practical activities and investigations to further develop us becoming scientifically literate.

### Computing

The focus for computing is E-safety where the children will begin learning about plagiarism and copyright so they become aware of the implications of copying and sharing content without permission. We will then describe the causes and consequences of online bullying.

### Maths

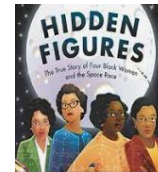
In Maths, we will start by focussing on the place value of numbers up to a million. Once place value knowledge is secure, children will move onto comparing, ordering and rounding numbers to a million. Following on from this, we will move on to addition and subtraction. In 5S, Miss Allan will teach shape, space and measure on a Thursday and a Friday.

## Language and Communication

**Speaking** – Throughout all subjects, we will refine our cognitive, physical, linguistic and social and emotional speaking skills.

### Writing

Our focussed text for this half term is 'Hidden Figures' by Margot Lee Shetterly. The children will use the book to support their writing journey and their end goal of writing a non-chronological report. They will be focusing on accurate use of basic punctuation and some variation in their sentence structures.



### Reading

The children will be reading a range of different texts including; fiction, non-fiction and poetry. They will be covering the following skills: Vocabulary, Inference, Predict, Explain, Retrieval and Summarise.

In addition, we will be revisiting the Year 3/4 common exception words whilst exploring some of the Year 5/6 common exception words.

### Spanish

To start this year, we will be recapping a variety of topics from previous years including, Spanish greetings, colours, parts of the body and zoo animals.

## The Arts

### Music

In the engaging looping and remixing topic, children learn about how dance music is created, focusing particularly on the use of loops, and learn how to play a well-known song before putting a dance music spin on it to create their own versions.

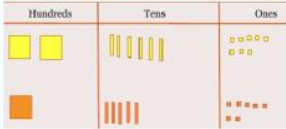
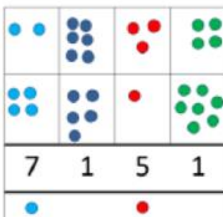
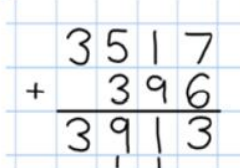
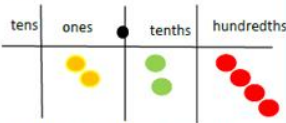
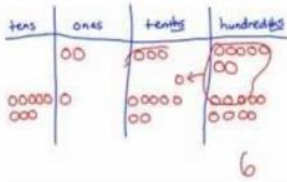

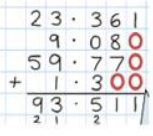
### Art

Children will be exploring the beautiful world of printing, inspired by the renowned artist and designer, William Morris. They will have the opportunity to experiment with different printing techniques and create their own unique pieces of art.

## Spellings

Weeks 1 & 2	Week 3	Week 4	Week 5	Weeks 6	Week 7 & 8
<b>Spelling pattern:</b> <b>Words ending in '-tious' and '-ious'</b>  Y3/4: actual, learn, Y5/6: occur, accompany  ambitious, infectious, nutritious, curious, devious, notorious, obvious	<b>Spelling pattern</b> <b>- Words ending in '-cious'</b>  Y3/4: arrive, circle  Y5/6: according, achieve  atrocious, delicious, ferocious, gracious, malicious, precious, spacious, suspicious	<b>Spelling pattern:</b> <b>Words ending in '-cial'</b>  Y3/4: group, heard  Y5/6: aggressive, ancient  beneficial, crucial, especially, facial, official, special	<b>Spelling pattern: Words ending in '-tial'</b>  Y3/4: build, often  Y5/6: forty, apparent  confidential, essential, impartial, influential, substantial, torrential	<b>Spelling pattern:</b> <b>Words ending in '-cial' and '-tial'</b>  Y3/4: extreme  Y5/6: Occupy  Financial, commercial, provincial, initial, spatial, palatial, controversial	<b>Challenge Week:</b>  <b>Revise - Year 4 Autumn 1 CEW</b>  Accident, believe, strange, reign, interest, various, possible, grammar

## Maths strategies

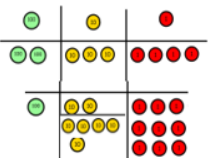
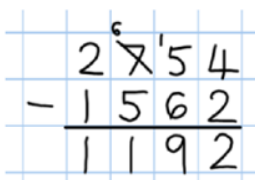
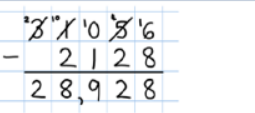
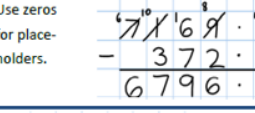
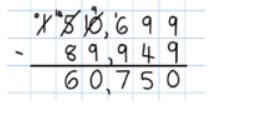
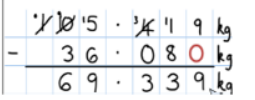
Objective & Strategy	Concrete	Pictorial	Abstract
Y4—add numbers with up to 4 digits	<p>Children continue to use dienes or pv counters to add, exchanging ten ones for a ten and ten tens for a hundred and ten hundreds for a thousand.</p> 	 <p>Draw representations using pv grid.</p>	 <p>Continue from previous work to carry hundreds as well as tens. Relate to money and measures.</p>
Y5—add numbers with more than 4 digits.  Add decimals with 2 decimal places, including money.	<p>As year 4</p>  <p>Introduce decimal place value counters and model exchange for addition.</p>	<p>2.37 + 81.79</p> 	<p>72.8</p> $\begin{array}{r} 72.8 \\ + 54.6 \\ \hline 127.4 \end{array}$ <p>11</p> $\begin{array}{r} £23.59 \\ + £7.55 \\ \hline £31.14 \end{array}$
Y6—add several numbers of increasing complexity  Including adding money, measure and decimals with different numbers of decimal points.	<p>As Y5</p>	<p>As Y5</p>	 <p>Insert zeros for place holders.</p> 



**Y4-6**

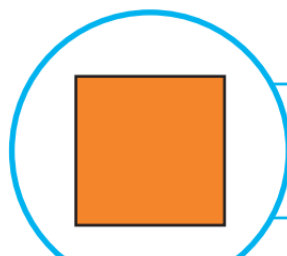
**ADDITION**

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Objective & Strategy	Concrete	Pictorial	Abstract
Subtracting tens and ones Year 4 subtract with up to 4 digits. <i>Introduce decimal subtraction through context of money</i>	$234 - 179$  Model process of exchange using Numicon, base ten and then move to PV counters.	Children to draw pv counters and show their exchange—see Y3	 Use the phrase 'take and make' for exchange
Year 5- Subtract with at least 4 digits, including money and measures. <i>Subtract with decimal values, including mixtures of integers and decimals and aligning the decimal</i>	As Year 4	Children to draw pv counters and show their exchange—see Y3	 Use zeros for place-holders. 
Year 6—Subtract with increasingly large and more complex numbers and decimal values.			 

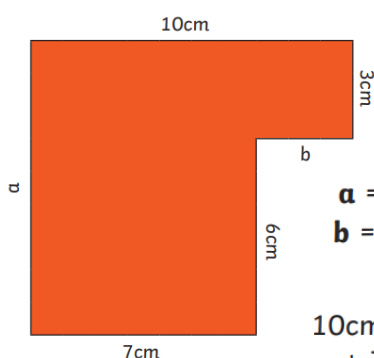
Nurture Grow Succeed

## Area and Perimeter



To find the perimeter of any shape with straight sides, simply **add together the length of all the sides**.

You can calculate the perimeter of a rectilinear shape by adding together the length of each side.  
You may need to calculate the length of any sides not given.



$$a = 6\text{cm} + 3\text{cm} = 9\text{cm}$$

$$b = 10\text{cm} - 7\text{cm} = 3\text{cm}$$

**The perimeter:**

$$10\text{cm} + 3\text{cm} + 3\text{cm} + 6\text{cm} + 7\text{cm} + 9\text{cm} = 38\text{cm}$$

The **area:**

$$7\text{cm} \times 6\text{cm} = 42\text{cm}^2$$

