

# Summer Holiday Learning

## Year 5

The Year 5 teachers are looking forward to welcoming the children back in September where the term's learning will explore the depths of space to understanding what it means to belong.

To provide your child with the best start to Year 5, we have compiled some ideas of a range of work that all children should be able to complete by the time they enter Year 5. We would appreciate any time which could be spent on these activities. Alongside this, we have also listed some possible activities and visits that could support to enrich learning.

All the year 5 teachers hope you and your families have a fantastic summer and we look forward to seeing you on Monday 5<sup>th</sup> September.

## Maths

### Written methods

Throughout Year 4, the children have been introduced and practised formal written methods for the four number operations (addition, subtraction, multiplication and division (short division)). In Year 5, the children will consolidate the written methods and apply them to problem solving. As such, the summer holidays provides an opportunity to ensure your child is confident in the four written methods before starting the new academic year. Videos of these methods can be found on our school website: [Maths Concepts Explained \(hook-jun.hants.sch.uk\)](http://hook-jun.hants.sch.uk) Why not roll dice to create calculations and then race as a family to answer them?

### Times tables

Times tables knowledge underpins children's learning in maths (multiplication, division, fractions, ratio and algebra). The National Curriculum sets the expectation that these essential number facts (up to 12 x 12) are known by all children by the end of year 4 and we have found that children who enter year 5 without a secure knowledge of these, find it to be a significant barrier to their learning. As such, any regular support that you can give your child to help them in this respect is encouraged and greatly appreciated. Times Tables Rockstars is a great resource along with other popular games:

[Times Tables Rock Stars: Play \(trockstars.com\)](http://trockstars.com)

[Times Tables Games for 7 to 11 year olds \(topmarks.co.uk\)](http://topmarks.co.uk)

### Telling the Time

By the end of Year 4, children should be able to read, write and convert time between analogue and digital 12- and 24-hour clocks. As we are surrounded by digital clocks nowadays, telling the time on an analogue clock can be a harder skill to master. In the holidays, why not get your child involved in creating timetables; telling the time using an analogue clock at regular intervals throughout the day and working out time differences ('How many minutes until lunch?' could be a favourite).

## Spelling

As children enter Year 5, they will be confident in their ability to spell the words listed in the Year 3 and 4 list. In Year 5, they will begin to learn words, rules and patterns from the Year 5 and 6 spelling list. Spelling is an important aspect of the children's writing assessment; therefore, regular practise of these words is also highly encouraged. The children will also be tested on these words early in the autumn term in order to establish a baseline to work from.

There are many ways to support your child to learn their spellings:

## Curriculum spellings

These words will be used within our units of work. Therefore, it would be beneficial to practise these in preparation.

Solar system	discovery	belonging	Florida	Earth	Gravity
resistance	rotation	universe	orbit	climate	mission
peninsula	planet	lunar	astronaut	animation	

## Reading

Below is a recommended reading list for children entering Year 5, many of which can be found at the local library. There is also the Summer Reading Challenge taking place in libraries across Hampshire (Fleet and Basingstoke are our closest) which is free to be involved with. More information can be found by following this link: [Summer Reading Challenge 2022 – Gadgeteers! – Hampshire Libraries](#)



## Recommended reading lists

### Fiction linked to autumn learning:

- The Jamie Drake Equation by Christopher Edge
- The Cosmic Atlas of Alfie Fleet by Martin Howard
- The Girl with Space in Her Heart by Laura Williamson
- George's Secret Key to the Universe by Lucy & Stephen Hawking

### Non Fiction linked to autumn learning:

- The Story of Astronomy and Space by Louie Stowell Peter Allen
- Beyond the sky by Dara O'Briain
- Journey through the Solar System by Simon Abbott
- Hello, is this planet Earth? By Tim Peake
- The Usborne Official Astronaut's Handbook by Usborne
- Counting on Katherine by Helaine Becker

- The skies above my eyes by Charlotte Gullian

**Other recommended reading:**

- Shadowsmith by Ross MacKenzie
- The Nowhere Eporium by Ross Mackenzie
- The Elsewhere Eporium by Ross Mackenzie
- The Lost Magician by Piers Torday
- The Train to Impossible places by PG Bell
- The Secret of the Night Train by Sylvia Bishop
- A Library of Lemons by Jo Cotterill
- A Place Called Perfect by Helena Duggan
- The Trouble with Perfect by Helena Duggan
- The Battle for Perfect by Helena Duggan
- The Strange Worlds Travel Agency by L.D Lapinski

**Useful websites**

<https://spaceplace.nasa.gov/>

<https://www.natgeokids.com/uk/discover/science/space/facts-about-the-earth/>

<https://www.bbc.co.uk/teach/class-clips-video/religious-studies-ks2-my-life-my-religion-hinduism-inside-hindu-temple/zbf2t39>

**Suggested trips/ visits**

- The Science Museum, London (Planetarium, Wonderlab links with forces and the Exploring Space exhibition)
- Winchester Science Center, Winchester (Solar system adventure, Astronaut Live shows throughout the holidays)
- Royal Observatory Greenwich
- Swimming (by the end of KS2 children should be able to swim 25m)

## Word list – years 3 and 4

accident(ally)	early	knowledge	purpose
actual(ly)	earth	learn	quarter
address	eight/eighth	length	question
answer	enough	library	recent
appear	exercise	material	regular
arrive	experience	medicine	reign
believe	experiment	mention	remember
bicycle	extreme	minute	sentence
breath	famous	natural	separate
breathe	favourite	naughty	special
build	February	notice	straight
busy/business	forward(s)	occasion(ally)	strange
calendar	fruit	often	strength
caught	grammar	opposite	suppose
centre	group	ordinary	surprise
century	guard	particular	therefore
certain	guide	peculiar	though/although
circle	heard	perhaps	thought
complete	heart	popular	through
consider	height	position	various
continue	history	possess(ion)	weight
decide	imagine	possible	woman/women
describe	increase	potatoes	
different	important	pressure	
difficult	interest	probably	
disappear	island	promise	

## Word list – years 5 and 6

accommodate	embarrass	persuade
accompany	environment	physical
according	equip (–ped, –ment)	prejudice
achieve	especially	privilege
aggressive	exaggerate	profession
amateur	excellent	programme
ancient	existence	pronunciation
apparent	explanation	queue
appreciate	familiar	recognise
attached	foreign	recommend
available	forty	relevant
average	frequently	restaurant
awkward	government	rhyme
bargain	guarantee	rhythm
bruise	harass	sacrifice
category	hindrance	secretary
cemetery	identity	shoulder
committee	immediate(ly)	signature
communicate	individual	sincere(ly)
community	interfere	soldier
competition	interrupt	stomach
conscience*	language	sufficient
conscious*	leisure	suggest
controversy	lightning	symbol
convenience	marvellous	system
correspond	mischievous	temperature
criticise (critic + ise)	muscle	thorough
curiosity	necessary	twelfth
definite	neighbour	variety
desperate	nuisance	vegetable
determined	occupy	vehicle
develop	occur	yacht
dictionary	opportunity	
disastrous	parliament	