

Support at home- Year 5 Summer Holiday Learning

The Year 5 teachers are looking forward to welcoming the children back in September where the term's learning will explore from 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.

Maths:

Written methods:

Throughout Year 4, the children have been introduced to 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 \(hook-jun.hants.sch.uk\)](https://www.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. If these facts are not secure and retained, it can cause 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 \(trockstars.com\)](https://www.trockstars.com)

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

[Times tables games - Timestables.co.uk](https://www.timestables.co.uk)

When driving in a car/ walking along the road the children could multiply the numbers they see on the number plate.

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 should be confident in their ability to spell the words listed in the Year 3 and 4 statutory word list. In Year 5, they will begin to learn words, rules and patterns from the Year 5 and 6 statutory spelling list. Spelling is an important aspect of the children's writing assessment; therefore, regular practise of the Y3 and Y4 words they are yet secure with is also highly encouraged. We have attached the Y5 and Y6 word list for you to see the words which will be learnt next year. The children will 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:

Top Ten ways to learn a spelling

- 1 Break it into sounds eg 
- 2 Break it into syllables eg 
- 3 Break it into root words and affixes eg 
- 4 Use a mnemonic eg 
- 5 Use your knowledge of word roots eg 
- 6 Use word families eg 
- 7 See words within words eg 
- 8 Use spelling rules eg 
- 9 By sight - learn the shape of the word eg 
- 10 By movement - get used to writing the word with your finger, a pen, in the air. eg 

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](#).

Recommended reading lists:

<p>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</p> <p>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</p>	<p>Other recommended reading:</p> <p>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</p>
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The Usborne Official Astronaut's Handbook by Usborne Counting on Katherine by Helaine Becker The skies above my eyes by Charlotte Gullian	
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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>

Optional suggested trips/ visits:

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| <ul style="list-style-type: none">• The Science Museum, London (Planetarium, Wonderlab links with forces and the Exploring Space exhibition)• Winchester Science Centre, Winchester (Planetarium shows)• Royal Observatory Greenwich• Swimming (by the end of KS2 children should be able to swim 25m) |
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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	

We hope you and your families have a fantastic summer and we look forward to seeing you on Tuesday 3rd September.