

Support at Home - Year 4 Summer Holiday Learning

The Year 4 teachers are looking forward to welcoming the children back in September where the term's learning will look at the famous explorer Ernest Shackleton, a British explorer who made several expeditions to Antarctica during his life.

To provide your child with the best start to Year 4, we have compiled some ideas of a range of work that all children should be able to complete by the time they enter Year 4. 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 3, the children have been introduced and practised both mental and formal written methods for addition and subtraction. In Year 4, the children will consolidate the written methods for addition and subtraction and apply them to problem solving. They will also use their secure knowledge of times tables to help them learn short multiplication and short division. As such, the summer holidays provides an opportunity to ensure your child is confident in the written methods for addition and subtraction 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) In addition to this, our mental methods are outlined in our calculation policy which can also be found on our school website: [Maths Calculation Policy \(hook-jun.hants.sch.uk\)](http://hook-jun.hants.sch.uk)

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 3 without a secure knowledge of the multiplication facts they have learnt in year 3 (2, 5, 10's – revision from Year 2 and 3, 4, 8 and 9 times tables) then they are already at a disadvantage. You may be aware that from June 2016 the Department for Education (DfE) announced a new assessment for Year 4 children called the "Multiplication Tables Check" (MTC). This is a statutory assessment and includes 25 questions where children have 6 seconds to answer a range of multiplication questions up to 12 X 12. This will test children on their fluency of recalling multiplication facts and teachers will support them with this throughout the year. A letter will be sent out to parents/carers explaining this in more detail next year. When children do not know their multiplication facts, we 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 4, they should be confident with the statutory words they have been learning in Year 3. In Year 4, they will begin to learn further words, rules and patterns from the Year 3 and 4 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:

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  **NECESSARY**
one collar
two sleeves
- 5** Use your knowledge of word roots eg  **MUSIC MUSICAL MUSICIAN**
- 6** Use word families eg  **WOULD SHOULD COULD**
- 7** See words within words eg  **SEPARATE**
a friend to the end
a rat in separate
- 8** Use spelling rules eg  **CRY, CRIES**
- 9** By sight - learn the shape of the word eg  **Help**
Look, Cover, Remember, Write, Check
- 10** By movement - get used to writing the word with your finger, a pen, in the air.. eg  **write**

Curriculum spellings:

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

| | | | | | |
|------------|-----------------------------|------------|---------------|---------------------|-----------------|
| world map | atlas | continent | Arctic circle | Northern Hemisphere | longitude |
| time zone | human and physical features | climate | volcano | compass points | tectonic plates |
| Antarctica | exploration | expedition | solid | liquid | gas |
| solution | filter | dissolved | separate | solidify | freeze/melt |

Reading:

Below is a recommended reading list for children entering Year 4, 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:

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| Fiction linked to autumn learning: Arctic Adventure by Willard Price Sky Song by Abi Elphinstone The Last Bear by Hannah Gold | Other recommended reading: Picklewitch & Jack by Claire Barker The Train to Impossible places by PG Bell VI Spy by Maz Evans |
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| <p>Corpse Talk: Ground-Breaking Explorers by Adam Murphy Race to the Frozen North: The Matthew Henson Story by Catherine Johnson</p> <p>Non-Fiction linked to autumn learning: Endurance: Shackleton's Incredible Voyage to the Antarctic by Alfred Lansing Alastair Humphreys' Great Adventures by Alastair Humphreys Explorers of the Coldest Places on Earth by Nel Yomtov Adventures on Earth by Simon Tyler</p> | <p>The Voyage of the Sparrowhawk by Natasha Farrant Junks & O'Hare Funfair Repair by Philip Reeve and Sarah McIntyre The Paninis of Pompeii by Andy Stanton</p> |
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Useful websites

<https://www.dkfindout.com/uk/history/explorers/>

<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc>

<https://bedtimehistorystories.com/sir-ernest-shackleton-for-kids/>

Optional suggested trips:

- Winchester Science Centre and Planetarium (Sparks – electricity)
- Winchester Cathedral- Step into Anglo-Saxon
- Visiting a church and Mandir Hindu temple
- 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 | |

All the year 4 teachers hope you and your families have a fantastic summer and we look forward to seeing you on Tuesday 3rd September.