

# Summer Holiday Learning

## Year 4

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 disadvantaged. 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 CAT
- 2 Break it into syllables eg REMEMBER
- 3 Break it into root words and affixes eg UNLIKE
- 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 a friend to the end, a rat in separate (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 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:

- Arctic Adventure by Willard Price
- Sky Song by Abi Elphinstone
- The Last Bear by Hannah Gold
- Corpse Talk: Ground-Breaking Explorers by Adam Murphy
- Race to the Frozen North: The Matthew Henson Story by Catherine Johnson

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

Other recommended reading:

- Picklewitch & Jack by Claire Barker
- The Train to Impossible places by PG Bell
- VI Spy by Maz Evans
- 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

### 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/>

### Suggested trips/ visits:

- Winchester Science Centre and Planetarium (Sparks – electricity)
- 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 Monday 5<sup>th</sup> September.