LIFTON
COMMUNITY ACADEMY

What will my child learn this half term?

This document is designed to help you understand what your child is learning and when.
You can help at home by researching the topic, rehearsing skills and embedding knowledge.

Full curriculum information can be found on our website here: Lifton Community Academy – Curriculum

Year 5&6 – Otters class

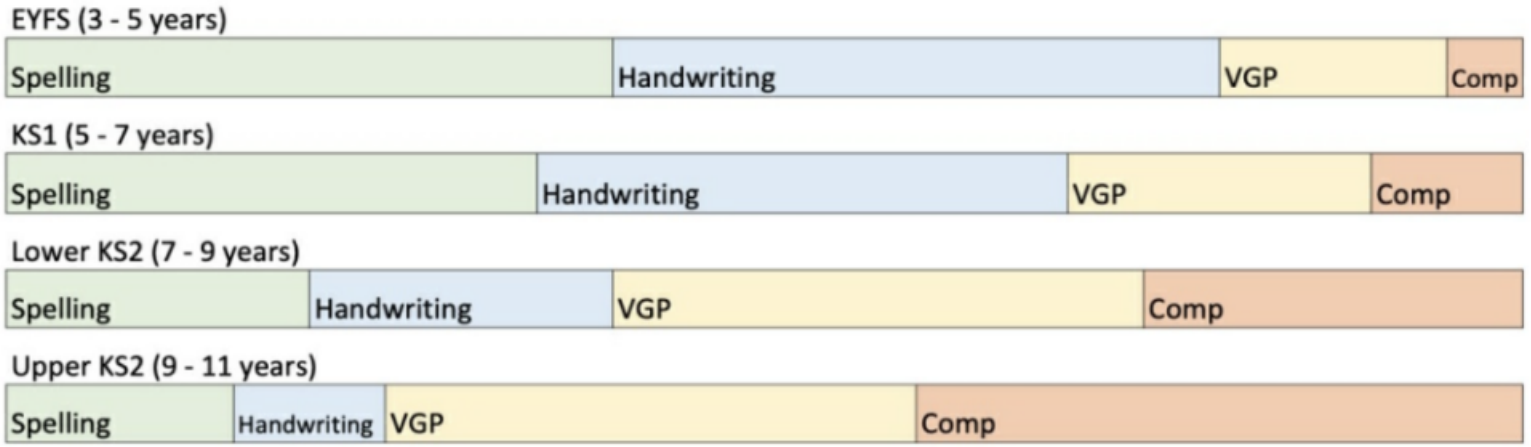
Each morning, the children will learn the core function skills of English and Maths.
This will include **handwriting, reading, phonics and maths including number skills.**

	Afternoon subjects		
Monday	Geography	Physical education	
Tuesday	Music	Science, Technology, Engineering and Mathematics (Including computing)	French
Wednesday	Religious Education	Relationships and Health education	
Thursday	Art	Physical education with Plymouth Argyle	
Friday	Science		

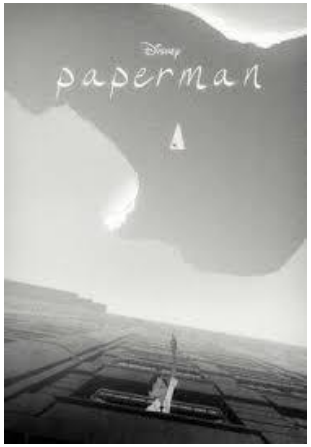
On PE days, please come to school in PE uniform.

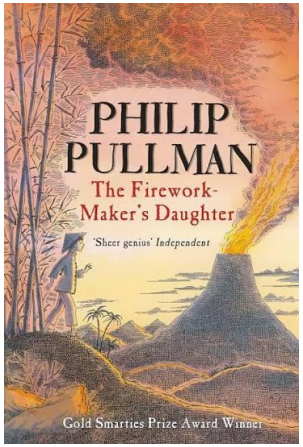
English reading and writing

Writing is a complex task and when children are first learning to write, their working memory can become easily overloaded due to the cognitive demands needed for spelling and handwriting.
The diagram below illustrates the proportion of curriculum time that should be allocated to the strands within the English curriculum.



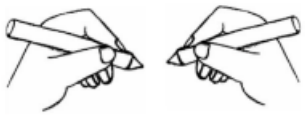
Our writing stimulus will be 'Firework makers daughter' by Philip Pullman with a focus on adventure writing and the film 'Paperman' as a narrative story.

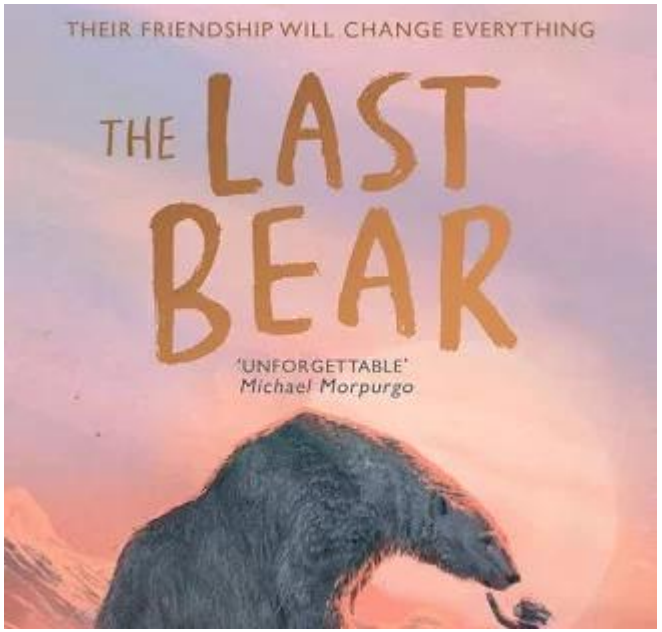


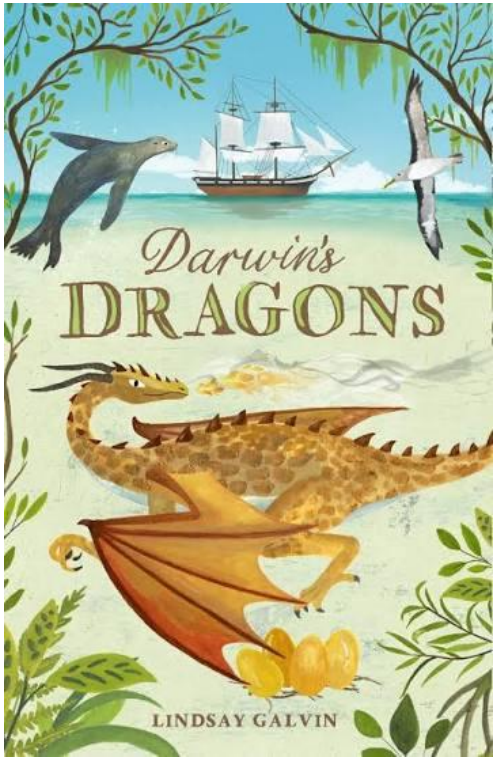


English reading and writing – How you can help at home.

1. **Read with your child!**
   a) Read to your child or hear them read. You should be reading daily, children love a story or information book and it is a great time to bond with family.
   b) Use audio books (no videos) for longer or more complex reads if time is limited.
2. **Write as much as you can**
   a) Ask your child to write stories, on a picture or as part of a task such as a shopping list or instructions for a game. Remember to focus grammatical structure.
3. **Practice letter formation and joining**
   a) Letter formation is key functional skill. Make sure your child is writing neat a legible handwriting.

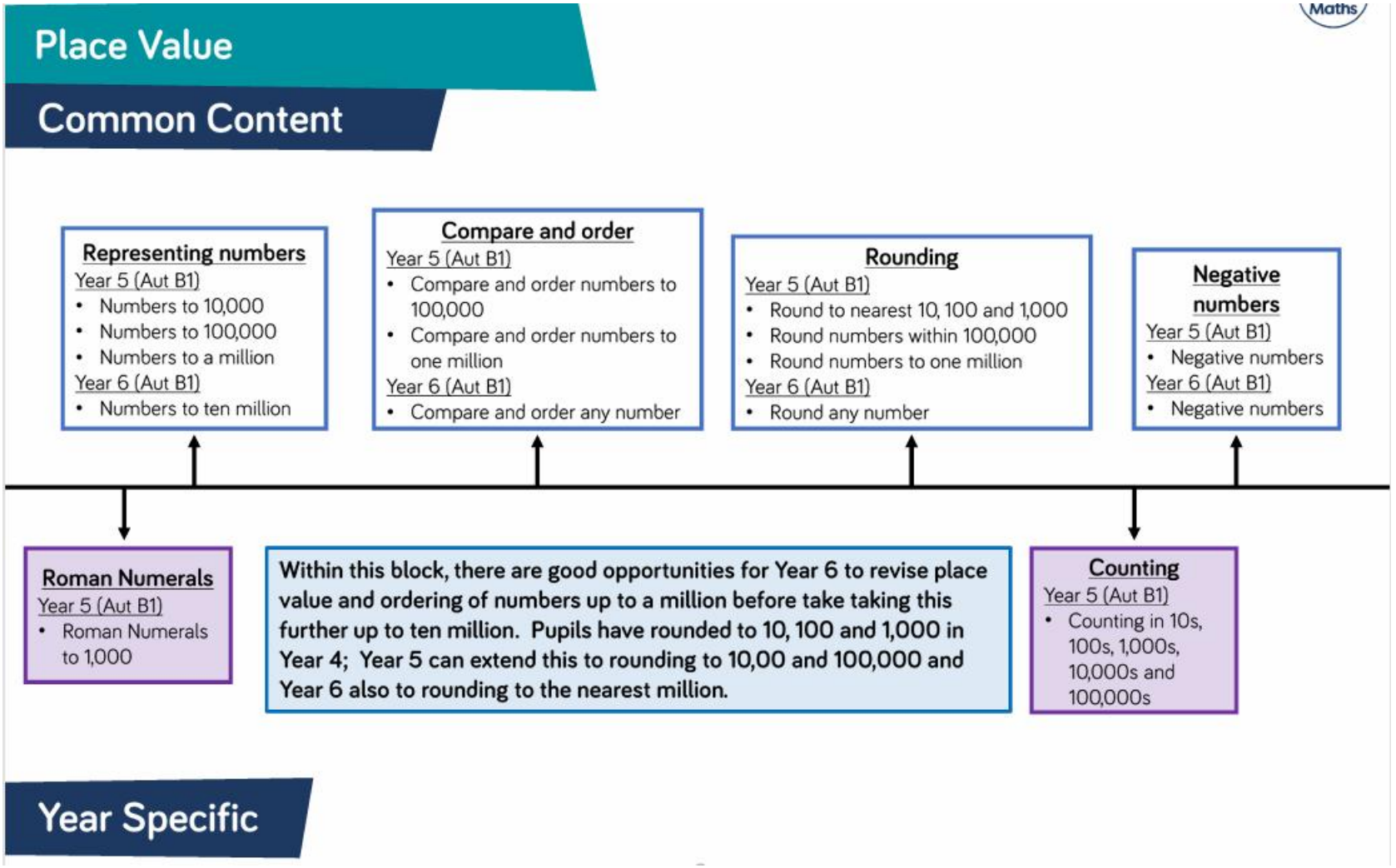






Maths – White Rose maths

We use White Rose maths as a teaching curriculum. There are a lot of great resources on their website including maths tutoring videos, here: [White Rose Education | White Rose Education]



Four Operations (1)

Common Content

Addition and subtraction

Year 5 (Aut B2)
- Add whole numbers with more than 4-digits
- Subtract whole numbers with more than 4-digits
- Inverse operations
- Multi-step addition and subtraction problems

Year 6 (Aut B2)
- Add and subtract whole numbers

Multiples

Year 5 (Aut B4)
- Multiples

Year 6 (Aut B2)
- Common multiples

Multiplication

Year 5 (Spr B1)
- Multiply 4-digits by 1-digit
- Multiply 2-digits (area model)
- Multiply 2-digits by 2-digits
- Multiply 3-digits by 2-digits
- Multiply 4-digits by 2-digits

Year 6 (Aut B2)
- Multiply 4-digits by 2-digits

Factors

Year 5 (Aut B4)
- Factors
- Common factors

Year 6 (Aut B2)
- Common factors

× and ÷ by multiples of 10

Year 5 (Aut B4)
- Multiply by 10, 100 and 1,000
- Divide by 10, 100 and 1,000
- Multiples of 10, 100 and 1,000

Year Specific

In this block, Year 6 have a lot of opportunities to recap prior learning as Year 5 are introduced to content for the first time.

Building on previous year groups, children add and subtract larger numbers and use their skills to solve problems.

Children then focus on multiplication. Year 5 break down their learning into 5 small steps however Year 6 could also use this opportunity to build their skills towards their final aim of multiplying up to 4-digits by 1 or 2-digit numbers.

Operations

Four Operations (2)

Common Content

Division

Year 5 (Spr B1)
- Divide 4-digits by 1-digit
- Divide with remainders

Year 6 (Aut B2)
- Short division
- Division using factors
- Long division (1)
- Long division (2)
- Long division (3)
- Long division (4)

Primes, Squares and Cubes

Year 5 (Aut B4)
- Prime numbers
- Square numbers
- Cube numbers

Year 6 (Aut B2)
- Primes
- Squares and Cubes

Estimating

Year 5 (Aut B2)
- Round to estimate and approximate

Year 6 (Aut B2)
- Mental calculations and estimation

Both year groups divide numbers using short division including remainders. Year 6 then move on to look at long division.

Drawing learning together, Year 6 look at order of operations and reasoning from known facts whilst Year 5 focus on fluency within the four operations.

Order of operations

Year 6 (Aut B2)
- Order of Operations

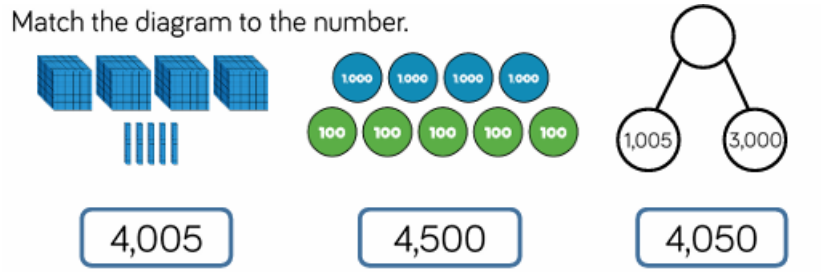
Related facts

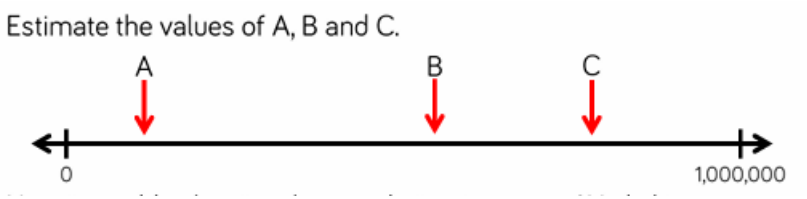
Year 6 (Aut B2)
- Reason from known facts

Year Specific

Maths – how you can help.

1. Use the White rose website for videos and guidance. There are a lot of great resources on their website including maths tutoring videos, here: [White Rose Education | White Rose Education]
2. Use TTRS and other resources to support times table recall.





Calculate:

4,648 – 2,347

1,000s	100s	10s	1s

45,536 – 8,426

TTh	Th	H	T	O

Calculate.

	3	4	6	2	1
+	2	5	7	3	4

67,832 + 5,258

	4	7	6	1	3	2	5
–		9	3	8	0	5	2

834,501 – 299,999

Curriculum subjects	Content
Science: Classification of living things	• describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals • give reasons for classifying plants and animals based on specific characteristics
Art: Animals and charcoal	• Create sketch books to record their observations and use them to review and revisit ideas • Improve their mastery of art and design techniques, including drawing, painting, and sculpture with a range of materials [for example, pencil, charcoal, paint, clay] • Learn about great artists, architects, and designers in history.
Science, technology, engineering and mathematics (including computing): Coding controls	• Programming: programme controls into a sequence using Scratch
History: Vikings	• How successful was the Viking invasion? • Where did the Vikings come from? • What was the Vikings reputation? • How did the Vikings try to take over the British Kingdoms
Relationships and health education: Emotions: How do we manage challenges?	• I can explain how challenges look different for everyone. • I can explain why all emotions are important. • I can explain why I am feeling challenged and describe ways to overcome.

Curriculum subjects	Content
Physical education: Multi skills / Football	• Use running, jumping, throwing and catching in isolation and in combination • Play competitive games, modified where appropriate and apply basic principles suitable for attacking and defending
Religious education: Creation and Science: Conflicting or complementary?	• Give meanings for texts/sources of authority studied, comparing these ideas with some ways in which believers interpret texts/sources of authority. • Make connections between the beliefs and practices studied, evaluating and explaining their importance to different people (e.g. believers and atheists).
Music: Sing, play and perform songs with Polyrhythms	• Sing songs connected to a theme. • Sing collaboratively with others. • I can play two contrasting rhythms • I can rehearse songs for a performance.

Wider curriculum – How you can help

1. Research the topics with your child. Use books, atlases or visit museums or other places of interest related to their topics.
2. Talk with your child about what they are learning and add your own knowledge, thoughts or opinions.
3. Practice skills at home such as balances, singing, painting or the use of technology.