

## New Town Primary School

Our Learning: Year Five -Autumn Term 2023

Maple and Mulberry

	Learning at school	Learning at home
English	<p>In this term we will be creating our own Greek Myths using Theseus and the Minotaur as a model. Later on we are going to write our own narrative based on "One small step ". We will use our weekly comprehension lessons to retrieve and record information and develop understanding through inference and prediction. There will be a continued emphasis on embedding handwriting, spelling, and punctuation and grammar skills in all our writing.</p> <p>On a daily basis, we will dedicate some time to reading our class book, to create a community of readers.</p>	<ul style="list-style-type: none"><li>• Reading! Both independently and together with an adult or to a sibling. Use a dictionary to look up any unknown words.</li><li>• Using the internet to research our topics and make notes about fact you have found out.</li><li>• Listen to the news: can you bring in an interesting news item to present to the class?</li></ul>
Maths	<p>We will start the year by extending our knowledge of place value. This will involve ordering, comparing and rounding numbers. Our second unit will cover the four operations; we will be using formal written calculation methods to solve number and word problems. We will explore prime, square and cubed numbers as well as factors and multiples, we will also cover fractions after half term. We will look at equivalence and simplification as well as using the four operations with fractions. Maths homework will recap and consolidate our learning throughout the term.</p>	<ul style="list-style-type: none"><li>• Maths facts are essential! Practice your times tables and number bonds. Remember: great mathematicians know these as quick-fire facts so they can apply them to problems.</li><li>• Use your maths vocabulary in everyday life; talk about time, measurements and shapes.</li></ul>
Our topic work	<p>Our history and geography topic for this term is Greece: Ancient and Modern. We will be finding out what made a great civilisation and about the legacy of the Ancient Greeks. We will be looking at modern Greece and its position in Europe and investigating how it is affected by its geography. In RE we will be revising the key aspects of all six major religions and looking at what they have in common. In Science we will be learning about Forces and Space.</p> <p>During PE lessons we will be developing our skills through tennis and gymnastics.</p>	<ul style="list-style-type: none"><li>• You could visit Reading Museum</li><li>• Go to the library and find a book about Sikhism, Judaism and Christianity.</li><li>• Talk about how forces impact everyday life. Are they useful? How can they be managed?</li></ul>

### Our class expectations

<b>Every day</b>	<ul style="list-style-type: none"><li>• Arrive at school on time, ready to learn</li><li>• Wear the correct uniform or talk to my teacher if I don't have it on</li><li>• Take responsibility for my things such as a water bottle, reading book, bag and coat</li><li>• Have a positive attitude to learning!</li></ul>
<b>Every week</b>	<ul style="list-style-type: none"><li>• Complete my homework by the due date, in my homework book</li><li>• Read at home <u>at least four times a week</u> and record this using my online reading record</li><li>• Practise my spellings and learn the spelling rule, ready for my spelling test on Friday</li><li>• Wear my PE kit on the correct days: Maple : Tuesday and Thursday Mulberry :Monday and Wednesday</li></ul>

# Homework

Due Date	Topic based skills homework	Spellings	Maths focus																		
<b>Week 1</b> 4-8 <sup>th</sup> September 2023	<b>Our Learning for Autumn given out on Friday</b>																				
<b>Week 2</b> 11 <sup>th</sup> -15 <sup>th</sup> September 2023	<b>History</b> Research the Ancient Greeks. Find out who were the first Ancient Greeks and where and when they lived. Use your Knowledge Organiser for more information.	List 1	<ul style="list-style-type: none"><li>Match the Roman numerals to the numbers.</li></ul> <table><tr><td>DC</td><td>460</td></tr><tr><td>CD</td><td>950</td></tr><tr><td>CCCXX</td><td>400</td></tr><tr><td>DXC</td><td>590</td></tr><tr><td>CML</td><td>600</td></tr><tr><td>CDLX</td><td>320</td></tr></table> <p>Roman numbers and place value.</p> <ul style="list-style-type: none"><li>What is the value of the 4 in each number?</li></ul> <table><tr><td>124,306</td><td>245,812</td><td>402,001</td></tr><tr><td>321,247</td><td>604,513</td><td>45,872</td></tr></table>	DC	460	CD	950	CCCXX	400	DXC	590	CML	600	CDLX	320	124,306	245,812	402,001	321,247	604,513	45,872
DC	460																				
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<b>Week 3</b> 18 <sup>th</sup> – 22n September 2023	<b>Science</b> Choose a force (e.g. gravity, friction or air resistance) and complete a fact file about the force, include examples of how the force is part of everyday life. BBC Bitesize has great videos to recap your learning <a href="https://www.bbc.co.uk/bitesize/topics/zvr3nrd">https://www.bbc.co.uk/bitesize/topics/zvr3nrd</a>	List 2	<ul style="list-style-type: none"><li>What numbers are shown?</li></ul> <div></div> <div></div> <div></div> <div></div>																		

**Week 4**

25<sup>th</sup> – 29<sup>th</sup>  
September  
2023

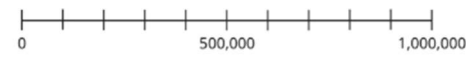
**Design and technology**

What mechanisms were invented in Ancient Greek times? Choose an item you find interesting and make a fact sheet which includes pictures. Can you describe how they work ?

List 3

- Put the numbers in ascending order.

You can use the number line to help you.



64,000   604,000   460,000   40,600   200,600   6,004

Round these numbers to the nearest 10, 100 and 1000 please.

756, 802, 333, 909, 682, 550

**Week 5**

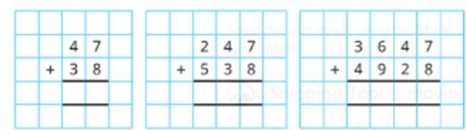
2<sup>nd</sup> – 6<sup>h</sup>  
October 2023

**Science**

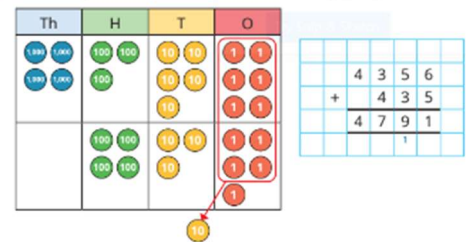
Research the famous scientist Isaac Newton and how he has influenced modern science, then create an informative poster.

List 4

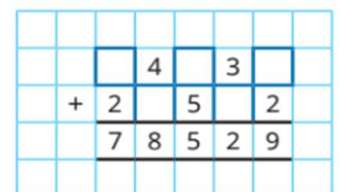
- Use the column method to work out the additions.



- Ron uses place value counters to calculate  $4,356 + 435$ .

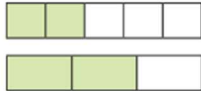



Work out the missing numbers.



<p><b>Week 6</b> 9th – 13th October 2023</p>	<p><b>Art</b> Invent your own Greek god. Draw them and then write a description of their powers, appearance and what they were in charge of e.g. the god of thunder. You could also create a family tree for them!</p>	<p>List 5</p>	<p>• Use the column method to work out the subtractions.</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> <math display="block">\begin{array}{r} 84 \\ - 36 \\ \hline \end{array}</math> </div> <div style="border: 1px solid black; padding: 5px;"> <math display="block">\begin{array}{r} 632 \\ - 417 \\ \hline \end{array}</math> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px;"> <math display="block">\begin{array}{r} 468 \\ - 293 \\ \hline \end{array}</math> </div> <div style="border: 1px solid black; padding: 5px;"> <math display="block">\begin{array}{r} 3125 \\ - 2417 \\ \hline \end{array}</math> </div> </div> <div style="border: 1px solid black; padding: 10px; margin-top: 20px; text-align: center;"> <math display="block">\begin{array}{r} 548 \\ - 12 \\ \hline 20858 \end{array}</math> </div>
<p><b>Week 7</b> 16<sup>th</sup> – 20th October 2023</p>	<p><b>French</b> Write the dates of your friends and families birthdays in French .</p>	<p>List 6</p>	<p><b>Word problems</b></p> <ul style="list-style-type: none"> <li>Filip is writing a report. He writes the first 460 words on Monday and another 735 words on Tuesday. The report must be at least 2,500 words long. How many more words does Filip need to write?</li> <li>Year 5 and Year 6 are going on a school trip. The school has a bus with 56 seats and a minibus with 17 seats. There are 44 people in the Year 5 group and 38 people in the Year 6 group. How many more seats are needed for both groups to go on the trip?</li> </ul> <p>Can you create 3 word problems of your own that use addition and subtraction?</p>
<p><b>October Half-Term</b>  Monday 23<sup>rd</sup> October- Friday 27<sup>th</sup> October 2023</p>	<p><b>Half term project</b>  Make a Greek Myth into a picture book.  You can choose one of the existing myths or you can make up your own based on what you've learnt.</p>		
<p><b>Week 8</b>  30<sup>th</sup> October - 3<sup>rd</sup> November 2023</p>	<p><b>Science</b>  Find out facts about the space missions – What was the first creature sent into space? Who was the first astronaut? Who was the first man on the moon? What other interesting facts can you find?</p>	<p>List 7</p>	<p><b>Inverse operations</b></p> <ul style="list-style-type: none"> <li>Huan thinks of a number. He adds 17 to his number and gets the answer 40 Which calculation can be used to find Huan's number?</li> </ul> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="border: 1px solid black; padding: 2px 5px;">17 + 40</div> <div style="border: 1px solid black; padding: 2px 5px;">17 - 40</div> <div style="border: 1px solid black; padding: 2px 5px;">40 - 17</div> <div style="border: 1px solid black; padding: 2px 5px;">40 + 17</div> </div> <ol style="list-style-type: none"> <li>1) 342 + ? = 670</li> <li>2) 65 + ? = 111</li> <li>3) 450 - ? = 250</li> <li>4) 99 - ? = 45</li> <li>5) 2300 = 799 + ?</li> </ol>

<b>Week 9</b>  6 <sup>th</sup> – 10 <sup>th</sup> November 2023	<b>Geography</b>  Create a poster about natural disasters like earthquake or volcano eruption.  Can you explain how earthquakes occur?	List 8	<b>Finding common multiples and factors</b> <ul style="list-style-type: none"> <li>How can you tell by looking at a number if it is a multiple of 5? Which of these numbers are multiples of 5?</li> </ul> <div> <div>45</div> <div>406</div> <div>95</div> <div>110</div> <div>501</div> <div>510</div> <div>540</div> <div>502</div> </div> <ul style="list-style-type: none"> <li>Which of the numbers are also multiples of 10?</li> </ul> <p>*Can you find the factors of:  <u>32</u>, <u>24</u>, and 25</p> <p>*Which numbers are common factors of          12 and 30?</p>
<b>Week 10</b>  13 <sup>th</sup> – 17 <sup>th</sup> November 2023	<b>Art</b> Find out what it was like to be a Greek soldier (a hoplite) Draw or print a picture of one with labels to explain their uniform.	List 9	<b>Multiplying by 10,100,1000</b>  Multiply by 10: 15, 390, 1001 and 2.5  Multiply by 100: 67, 456, 2001 and 1.06  Multiply by 1000: 12, 5,000 and 45.03
<b>Week 11</b>  20 <sup>th</sup> – 24 <sup>th</sup> November 2023	<b>French:</b> <b>Year 5:</b> Write or act out a conversation between 2 friends discussing whether they have a pet.	List 10	<b>Dividing by 10,100,1000</b>  Divide by 10: 230, 15, 7000  Divide by 100: 300, 10.00, 6000  Divide by 1000: 20,000, 123.45, 7123
<b>Week 12</b>  27 <sup>th</sup> November - 1 <sup>st</sup> December 2023	<b>Life skills</b> Write a letter to your friends explaining how to report something that they feel is not right while using internet and how to use mobile phones responsibly.	List 11	<b>Recognise equivalent fractions</b> <ul style="list-style-type: none"> <li>Take two pieces of paper that are the same size. Fold one piece into 2 equal parts and the other piece into 8 equal parts. Explain how the pieces of paper show that <math>\frac{1}{2} = \frac{4}{8}</math> Use more pieces of paper to find other fractions equivalent to one half.</li> </ul> <div> </div> <ul style="list-style-type: none"> <li>Use the models to write equivalent fractions.</li> </ul> <div> </div> <p>Make or draw more models to show other fractions equivalent to unit fractions.</p> <p>Complete the set of equivalent fractions.</p> $\frac{1}{6} = \frac{\square}{12} = \frac{\square}{18} = \frac{4}{\square} = \frac{\square}{30} = \frac{6}{\square} = \frac{7}{\square}$

<p><b>Week 13</b></p> <p>4th-8th December 2023</p>	<p><b>Religious education</b></p> <p>Find out about how Christmas is celebrated in Greece. What traditions are similar to the UK and what is different? You can choose how you present your findings.</p>	<p>List 12</p>	<p><b>Compare and order fractions</b></p> <ul style="list-style-type: none"> <li>Use diagrams to show that <math>\frac{4}{5} &gt; \frac{3}{5}</math> Explain how you can tell that <math>\frac{4}{5} &gt; \frac{3}{5}</math> without using a diagram.</li> <li>Use the bar models to compare the fractions.   </li> <li>Identify the greater fraction in each pair. <ul style="list-style-type: none"> <li><math>\frac{3}{7}</math> and <math>\frac{5}{7}</math></li> <li><math>\frac{9}{11}</math> and <math>\frac{2}{11}</math></li> <li><math>\frac{2}{3}</math> and <math>\frac{2}{15}</math></li> <li><math>\frac{1}{8}</math> and <math>\frac{1}{3}</math></li> <li><math>\frac{4}{15}</math> and <math>\frac{4}{100}</math></li> <li><math>\frac{11}{20}</math> and <math>\frac{19}{20}</math></li> </ul> </li> </ul>
<p><b>Week 14</b></p> <p>11<sup>th</sup> – 15<sup>th</sup> December 2023</p>	<p>Your choice:</p> <p>Choose your favourite area of learning from the term and create a poster to teach someone else about it.</p>	<p>List 13</p>	<p><b>To add and subtract fractions</b></p> <ul style="list-style-type: none"> <li>Work out the calculations. <ul style="list-style-type: none"> <li><math>\frac{4}{9} + \frac{1}{9}</math></li> <li><math>\frac{3}{7} + \frac{2}{7}</math></li> <li><math>\frac{4}{9} + \frac{1}{9} + \frac{2}{9}</math></li> <li><math>\frac{7}{9} - \frac{5}{9}</math></li> <li><math>\frac{1}{8} + \frac{3}{8} + \frac{3}{8}</math></li> <li><math>\frac{6}{7} - \frac{4}{7}</math></li> </ul> </li> <li>Work out the missing numbers. <ul style="list-style-type: none"> <li><math>\frac{3}{7} + \frac{\square}{7} = \frac{9}{7}</math></li> <li><math>\frac{3}{11} + \frac{\square}{11} = \frac{15}{11}</math></li> <li><math>\frac{15}{8} - \frac{\square}{8} = 1</math></li> <li><math>\frac{\square}{5} - \frac{3}{5} = \frac{4}{5}</math></li> <li><math>\frac{4}{5} + \frac{\square}{5} = 2</math></li> <li><math>\frac{10}{3} - \frac{\square}{3} = 2</math></li> </ul> </li> </ul>

**Christmas holidays begin on Wednesday 20<sup>th</sup> December at 1.30pm**

Autumn Term 1	

1	2	3	4	5	6	7
Non-Negotiable words- words you are expected to spell correctly at all times	Common exception words	Revision Suffixes - ing, -ed -ing and –ed in words of one syllable ending in a single consonant letter after a single vowel letter The last consonant letter of the root word is doubled	To use knowledge of root and base words to spell related words	Revision Suffixes -ous, -ation –ous	Homophones and near homophones	Review and assessment of spelling taught this half term
thought friends too something people school because house water Through	accompany aggressive apparent available bargain ancient bruise category cemetery committee	dragging speedily usually supporting working stopped sadly finally supported Worked	gardening limited comically gently dramatically limitation happily simply basically nobly	adoration admiration mountainous tremendous humorous sensation poisonous famous enormous Glamorous	mail/male desert/dessert past/passed are/our which/witch accept/except bear/bare one/won it's/its not/knot available average	because bargain completely simply information different category happily limited Various



8	9	10	11	12	13	14
Common exception words	Most prefixes are added to the beginning of root words without any changes in spelling, but see in– below. Like un–, the prefixes dis– and mis– have negative meanings. The prefix in– can mean both ‘not’ and ‘in’/‘into’. In the words given here it means ‘not’.	Before a root word starting with r, in– becomes ir–. inter– means ‘between’ or ‘among’. super means ‘above’. Anti means ‘against’	Before a root word starting with l, in– becomes il. Before a root word starting with m or p, in– becomes im–. Before a root word starting with r, in– becomes ir–. re– means ‘again’ or ‘back’. sub– means ‘under’.	Suffixes which sound like /jəs/ spelt –cious or –tious	Suffixes which sound like /jəl/ - cial -cial is common after a vowel letter and –tial after a consonant letter, but there are some exceptions	Review and assessment of spelling taught this half term.
<p>committee</p> <p>determined</p> <p>cemetery</p> <p>average</p> <p>criticise</p> <p>awkward</p> <p>category</p> <p>competition</p> <p>Definite</p> <p>desperate</p>	<p>unable</p> <p>unaware</p> <p>midday</p> <p>disagree</p> <p>mislead</p> <p>prehistoric</p> <p>inaction</p> <p>incorrect</p> <p>disobey</p> <p>invisible</p>	<p>intercity</p> <p>supermarket</p> <p>antiseptic</p> <p>autobiography</p> <p>international</p> <p>international</p> <p>superman</p> <p>anticlockwise</p> <p>autograph</p> <p>antidote</p>	<p>immortal</p> <p>impatient</p> <p>imperfect</p> <p>irrelevant</p> <p>irresponsible</p> <p>refresh</p> <p>return</p> <p>redecorate</p> <p>subdivide</p> <p>submarine</p>	<p>conscious</p> <p>infectious</p> <p>malicious</p> <p>infectious</p> <p>precious</p> <p>gracious</p> <p>vivacious</p> <p>fictitious</p> <p>delicious</p> <p>tenacious</p>	<p>prudential</p> <p>social</p> <p>artificial</p> <p>essential</p> <p>torrential</p> <p>beneficial</p> <p>glacial</p> <p>commercial</p> <p>initial</p> <p>partial</p>	<p>conscious</p> <p>interact</p> <p>interrelated</p> <p>infectious</p> <p>antisocial</p> <p>official</p> <p>impatient</p> <p>irrelevant</p> <p>refresh</p> <p>subheading</p>

Each week there are words which follow the weekly spelling rule as well as two statutory spelling words (these are in blue).

**Challenge: Earn yourself some extra house points!**

1 House Point – whilst learning each spelling list every week, could your child choose **five** of the words and put them into five separate interesting sentences.

3 House Points – if you can put all 5 words into one short paragraph.