## Mathematics:

$\rightarrow$ Read, write, order and compare numbers to at least 1000000 and determine the value of each digit (e.g. how many 10,000 s, how many 100s, etc.);
$\rightarrow$ Know key facts - see separate sheet;
$\rightarrow$ Add and subtract numbers with more than four digits, using formal written methods of columnar addition and subtraction - see below:

$\rightarrow$ Be fluent with all times tables up to $12 \times 12$ (children should be able to recall the times tables in any order and know the inverse (division fact));
$\rightarrow$ Examples of online activities:
https://ttrockstars.com/
https://www.topmarks.co.uk/maths-games/daily10
https://www.topmarks.co.uk/Flash.aspx?f=GuessMyNumber

| Multiplication and division vocabulary |  |  |
| :---: | :---: | :---: |
| Term | Definition | Example |
| factor | a number that divides exactly into another number | $\begin{aligned} & \text { factors of } 12= \\ & 1,2,3,4,6,12 \end{aligned}$ |
| common factor | factors of two numbers that are the same | common factors of 8 and $12=1,2,4$ |
| prime number | a number with only 2 factors: 1 and itself | 2, 3, 5, 7, 11, 13, 17, 19... |
| composite number | a number with more than two factors | (it has 6 factors) |
| prime factor | a factor that is prime | prime factors of $12=$ $2,3$ |
| multiple | a number in another number's times table | $\begin{gathered} \text { multiples of } 9= \\ 9,18,27,36 \ldots \end{gathered}$ |
| common multiple | multiples of two numbers that are the same | common multiples of 4 and $6=12,24$... |
| square numbers | the result when a number has been multiplied by itself | $\begin{aligned} & 25\left(5^{2}=5 \times 5\right) \\ & 49\left(7^{2}=7 \times 7\right) \end{aligned}$ |
| cube numbers | the result when a number has been multiplied by itself 3 times | $\begin{gathered} 8\left(2^{3}=2 \times 2 \times 2\right) \\ 27\left(3^{3}=3 \times 3 \times 3\right) \end{gathered}$ |


Fractions, decimals \& percentages

| $1 / 100$ | 0.01 | $1 \%$ | $\div 100$ |
| :--- | :--- | :--- | :--- |
| $1 / 20$ | 0.05 | $5 \%$ | $\div 20$ |
| $1 / 10$ | 0.1 | $10 \%$ | $\div 10$ |
| $1 / 5$ | 0.2 | $20 \%$ | $\div 5$ |
| $1 / 4$ | 0.25 | $25 \%$ | $\div 4$ |
| $1 / 2$ | 0.5 | $50 \%$ | $\div 2$ |
| $1 / 4$ | 0.75 | $75 \%$ | $\div 4, \times 3$ |
| 1 | 1 | $100 \%$ | $\div 1$ |


| Angles |  |
| :---: | :---: |
| full turn | $360^{\circ}$ |
| half turn | $180^{\circ}$ |
| right angle | $90^{\circ}$ |
| acute angle | $<90^{\circ}$ |
| obtuse angle | $>90^{\circ}$ |
| reflex angle | $>180^{\circ}$ |
| angles on a straight line | $180^{\circ}$ |
| angles inside a triangle | $180^{\circ}$ |
| angles inside a quadrilateral | $360^{\circ}$ |



## English:

$\rightarrow$ Know Year 6 spelling rules (see Home-School diary) and recall rules and phonics from prior year groups
$\rightarrow$ Read daily a book of choice and reread pages to build fluency
$\rightarrow$ Regularly read a variety of reading materials and literature and identify punctuation and grammar used to convey the author's intent.
$\rightarrow$ Ask and answer questions of books you read or hear being read, remembering question types (copy cat, text detective, you judge)
$\rightarrow$ Form all letters of the alphabet using cursive handwriting with correct joins
$\rightarrow$ Spell all of the Year 5 and 6 wordlist
$\rightarrow$ Read and write the first 200 high frequency words
ahk def g man SRMNNW ix of $\pi$

## Year 5 and 6 Statutory Spellings

| accommodate | cemetery | develop | frequently | mischievous | promunciation | stomach |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| accompany | commithee | dictionary | government | muscle | queue | sufficient |
| achieve | communicate | disastrous | guarantes | necessary | recognise | suggest |
| aggressive | community | emharrass | harass | neighbour | recommend | symbat |
| amateur | competition | environment | hindrance | nuisance | relevant | system. |
| ancient | conscience | equipment | identity | occupy | restaurant | temperature |
| apparent | conscious | equipped | immediate | acour | thyme | thorough |
| appreciate | controversy | especially | immediately | -0pportunity | thythm | twelfth |
| attached | converience | exaggerate | individual | parliament | sacrifice | variety |
| available | correspond | excellent | interfere | persuade | secretary | Negetable |
| average | criticise | existence | interrupt | physical | shoulder | Nehicle |
| awtward | curiosity | explanation | language | prejudice | signature | yacht |
| hargain | definite | familiar | deisure | privilege | sincere |  |
| bruise | desperate | foreign | lightring | profession | sincerely |  |
| category | determined. | forty | marvellows | programme | soldier |  |

