

**Witham St Hughs**  
**Academy**



**Home Learning**  
**Year 6**

## Introduction

This booklet contains an overview of your child's home learning which will enable you to support them fully throughout the year.

### What Should Be Done Each Week?

A homework sheet will be provided **weekly** for your child to complete. The completion date for the homework tasks will be recorded at the top of the homework sheet (as the hand in date may vary from class to class). The tasks for each Key Stage will be broadly as follows:

#### KS1

- Reading (Daily, recorded in home reading record)
- Sight Vocabulary Words (for YR, 1 and 2 as appropriate)
- Rehearsing Number Facts / Mental Mathematics (Guidance included in this booklet)
- A Main Mathematics task which relates to learning within the classroom
- Spellings (which will be tested weekly)
- A task relating to the week's topic within the classroom e.g. a Geography task
- Occasionally Y2 pupils may be given additional practice questions from the Spring Term onwards to prepare them for SATs

#### KS2

- Reading (Daily, recorded in home reading record)
- Rehearsing Number Facts / Mental Mathematics (Guidance included in this booklet)
- A Main Mathematics task which relates to learning within the classroom
- Spellings (which will be tested weekly)
- A task relating to the week's topic within the classroom e.g. a Geography/History or Science task
- Y6 pupils may be given additional practice questions from the Spring Term onwards to prepare them for SAT's

### How Long Should Home Activities Take?

The following timings are **recommended**, and are intended to be spread across the course of the week.

Reception	1 hour per week
Years 1 and 2	1 – 1 ½ hours per week
Years 3 and 4	1 -2 hours per week
Years 5 and 6	2 ½ hours per week

These should not be rigidly interpreted, and it is important to remember that children have already spent a whole day learning, and need time to relax, socialise and enjoy life outside of the academy. There are many opportunities for children to develop by taking part in clubs, hobbies and community activities. This book and contents should not restrict children's access to these. Additionally, as we highly value the health and wellbeing of your child, alongside the completion of a weekly homework sheet, regular physical activity is important to ensure healthy growth and development.

### **How Can You Help?**

Your child's learning will be greatly enhanced by you spending time talking to your child about what they are doing. Some activities will require written outcomes, whilst others will not.

### **Marking and Communication**

Spellings will be tested weekly and the results of these tests will be shared with your child so that you are informed of their progress. Other areas of homework will be supported by the learning within the classroom and may therefore not be marked but shared with others (depending on the nature of the task).

If you require any further information regarding your child's home learning, please do not hesitate to contact your child's class teacher.

## Supporting your Child in Mathematics

To support your child fully with their learning and homework in mathematics, the following grid provides you with an overview of the learning in mental mathematics throughout the year. The areas covered by the homework activities will be taken from the targets below each term. In year 6, the targets look very similar to those presented in 5 however, children are asked to apply these objectives to a range of questions, in a range of contexts in preparation for SATs. Additionally, suggestions and activities to support these areas will be provided with the academy's termly Newsletters.

### Mental Mathematics Year 6

	<u>Autumn Term</u>	<u>Spring Term</u>	<u>Summer Term</u>
<u>1st Half of the Term</u>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Read and write whole numbers.</li> <li><input type="checkbox"/> Order positive and negative whole numbers; order fractions.</li> <li><input type="checkbox"/> Round whole numbers to the nearest 10, 100, 1000.</li> <li><input type="checkbox"/> Round decimals to nearest whole number or nearest tenth.</li> <li><input type="checkbox"/> Add/subtract any pair of two-digit numbers including crossing 100;</li> <li><input type="checkbox"/> Recall multiplication/ division facts to 12 x 12</li> <li><input type="checkbox"/> Derive sums and differences, e.g. <math>760 \pm 280</math>.</li> <li><input type="checkbox"/> Know simple fractions as percentages; find simple percentages.</li> <li><input type="checkbox"/> Find pairs with sum of 100; multiples of 50 with sum 1000, decimals with sum 1,10</li> <li><input type="checkbox"/> Recall multiplication and division facts to 10 x 10.</li> <li><input type="checkbox"/> Give pairs of factors up to 100.</li> <li><input type="checkbox"/> Use doubling or halving (see unit 2-3).</li> <li><input type="checkbox"/> Multiply or divide whole numbers by 10, 100 or 1000.</li> <li><input type="checkbox"/> Convert between km, m, cm, mm.</li> <li><input type="checkbox"/> Multiply mentally any two-digit number by a one-digit number.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Read and write whole numbers in figures and words.</li> <li><input type="checkbox"/> Order positive and negative numbers; fractions; mixed decimals.</li> <li><input type="checkbox"/> Round whole numbers to 10, 100, 1000.</li> <li><input type="checkbox"/> Round decimals to the nearest number or the nearest tenth.</li> <li><input type="checkbox"/> Add / subtract any pair of two-digit numbers, including crossing 100;</li> <li><input type="checkbox"/> Derive sums and differences e.g. <math>760 \pm 380</math>.</li> <li><input type="checkbox"/> Find pairs of numbers with a sum of 100; multiples of 50 a sum of 1000; decimals with a sum of 0.1,1 or 10.</li> <li><input type="checkbox"/> Count on/back in steps of 25,0.2,0.25,0.5...</li> <li><input type="checkbox"/> Recall multiplication and division facts to 12 x 12. Recall squares.</li> <li><input type="checkbox"/> Give pairs of factors for whole numbers to 100. Use tests of divisibility.</li> <li><input type="checkbox"/> Find halves of decimals in an even digit, e.g. <math>3.8 \div 2</math>, <math>0.76 \div 2</math>.</li> <li><input type="checkbox"/> Multiply or divide whole numbers by 10, 100 and 1000.</li> <li><input type="checkbox"/> Convert between km and mm, kg and g, litres and millilitres.</li> <li><input type="checkbox"/> Multiply mentally any two-digit number to 50 by a one-digit number.</li> <li><input type="checkbox"/> Know some fractions as percentages/decimals.</li> <li><input type="checkbox"/> Find simple percentages.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Count on / back in steps of 25, 0.2, 0.25, 0.5...</li> <li><input type="checkbox"/> Recall multiplication and division facts to 12 x 12. Recall squares, primes</li> <li><input type="checkbox"/> Give pairs of factors for whole numbers to 100. Use tests of divisibility.</li> <li><input type="checkbox"/> Find doubles/halves of decimals e.g. <math>7.9 \div 2</math>, <math>0.9 \div 2</math>, <math>0.72 \div 2</math>.</li> <li><input type="checkbox"/> Multiply or divide whole numbers by 10, 100 or 1000.</li> <li><input type="checkbox"/> Convert between km and mm, kg and g, litres and millilitres; hours, minutes, seconds.</li> <li><input type="checkbox"/> Multiply any two-digit number by a one-digit number e.g. <math>3.6 \times 4</math>.</li> <li><input type="checkbox"/> Know some fractions as percentages/decimals. Find simple percentages.</li> <li><input type="checkbox"/> Read and write whole numbers in figures and words.</li> <li><input type="checkbox"/> Order positive and negative numbers; fractions; mixed decimals.</li> <li><input type="checkbox"/> Round whole numbers to nearest 10, 100, 1000.</li> <li><input type="checkbox"/> Round decimals to the nearest whole number or the nearest tenth.</li> <li><input type="checkbox"/> Add / subtract any pair of two-digit numbers, including crossing 100</li> <li><input type="checkbox"/> Derive sums and differences such as <math>7.6 \pm 3.8</math>, <math>760 \pm 380</math>.</li> <li><input type="checkbox"/> Find decimals with a sum of 0.1,1 or 10. Add several single-digit numbers.</li> </ul>
<u>2nd Half of the Term</u>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Count on/back in steps of 25 ,0.2, 0.25, 0.5...</li> <li><input type="checkbox"/> Recall multiplication/ division facts to 12 x 12. Recall squares to 12 x 12.</li> <li><input type="checkbox"/> Give pairs of factors for whole numbers to 100. Use tests of divisibility.</li> <li><input type="checkbox"/> Double decimals e.g. <math>3.8 \times 2</math>, <math>0.76 \times 2</math>.</li> <li><input type="checkbox"/> Multiply or divide whole numbers by 10, 100, or 1000.</li> <li><input type="checkbox"/> Convert between km m cm mm and vice versa.</li> <li><input type="checkbox"/> Mentally multiply any two-digit number to 50 by a one-digit number.</li> <li><input type="checkbox"/> Know some fractions as percentages/ decimals. Find simple percentages.</li> <li><input type="checkbox"/> Read and write whole numbers in figures and words.</li> <li><input type="checkbox"/> Order positive and negative numbers; fractions; mixed decimals.</li> <li><input type="checkbox"/> Round whole numbers to 10, 100, 1000.</li> <li><input type="checkbox"/> Round decimals to the nearest number or the nearest tenth.</li> <li><input type="checkbox"/> Add / subtract any pair of two-digit numbers, including crossing 100;</li> <li><input type="checkbox"/> Derive sums and differences e.g. <math>760 \pm 380</math>.</li> <li><input type="checkbox"/> Find pairs of numbers with a sum of 100; multiples of 50 a sum of 1000; decimals with a sum of 0.1,1 or 10.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Read and write whole numbers in figures and words.</li> <li><input type="checkbox"/> Order positive and negative numbers; order fractions; mixed decimals.</li> <li><input type="checkbox"/> Round whole numbers to nearest 10, 100, 1000.</li> <li><input type="checkbox"/> Round decimals to the nearest whole number or nearest tenth.</li> <li><input type="checkbox"/> Add / subtract any pair of two-digit numbers, including crossing 100;</li> <li><input type="checkbox"/> Derive sums and differences such as <math>760 \pm 380</math>, <math>7.6 \pm 3.8</math>.</li> <li><input type="checkbox"/> Find pairs of numbers with a sum of 100; multiples of 50 with a sum of 1000; decimals with a sum of 0.1,1 or 10.</li> <li><input type="checkbox"/> Count on / back in steps of 25, 0.2, 0.25, 0.5.</li> <li><input type="checkbox"/> Recall multiplication and division facts to 12 x 12. Recall squares.</li> <li><input type="checkbox"/> Give pairs of factors for whole numbers to 100. Use tests of divisibility.</li> <li><input type="checkbox"/> Find halves of decimals ending in an even digit, e.g. <math>3.8 \div 2</math>, <math>0.76 \div 2</math>.</li> <li><input type="checkbox"/> Multiply or divide whole numbers by 10, 100 and 1000.</li> <li><input type="checkbox"/> Convert between km and mm, kg and g, litres and millilitres, seconds and minutes.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Read and write whole numbers in figures and words.</li> <li><input type="checkbox"/> Order positive and negative numbers; fractions; mixed decimals.</li> <li><input type="checkbox"/> Round whole numbers to 10, 100, 1000.</li> <li><input type="checkbox"/> Round decimals to the nearest number or the nearest tenth.</li> <li><input type="checkbox"/> Add / subtract any pair of two-digit numbers, including crossing 100;</li> <li><input type="checkbox"/> Derive sums and differences such as <math>7.6 \pm 3.8</math>, <math>760 \pm 380</math>.</li> <li><input type="checkbox"/> Find decimals with a sum of 0.1,1 or 10.</li> <li><input type="checkbox"/> Add several single-digit numbers.</li> <li><input type="checkbox"/> Recall multiplication and division facts to 12 x 12. Recall squares, primes</li> <li><input type="checkbox"/> Give pairs of factors for whole numbers to 100. Use tests of divisibility.</li> <li><input type="checkbox"/> Find doubles/halves of decimals e.g. <math>7.9 \div 2</math>, <math>0.9 \div 2</math>, <math>0.72 \div 2</math>.</li> <li><input type="checkbox"/> Multiply or divide whole numbers by 10, 100 or 1000.</li> <li><input type="checkbox"/> Convert between km and mm, kg and g, litres and millilitres; hours, minutes, seconds.</li> <li><input type="checkbox"/> Multiply mentally any two-digit number by a one-digit number e.g. <math>3.6 \times 4</math>.</li> <li><input type="checkbox"/> Know some fractions as percentages/decimals.</li> </ul>

**To support your child further in these areas, there are many interactive mathematics websites which are provided via the Witham St Hughs Academy Website ( Please find these located under Curriculum then Mathematics)**

## **Supporting your Child with their Reading**



The following points may provide some guidance in supporting your child as they learn to read:

- Show your child that you are enjoying the story by indicating interest and by asking questions.
- Give your child time to figure out tricky words, and show your child how he or she can learn from mistakes.
- Try to have your child read aloud to you at times when there will be no interruptions.
- Take turns reading with your child, especially if he or she is just beginning to read, or try reading together.
- Talk about a story after your child has read it, to make sure that he or she understands it.
- To communicate with the class teacher, make a comment in your child's yellow reading record book. Within KS2, your child may wish to make their own comment within the reading record.

## **Supporting your child with their Spellings**



The following points may provide some guidance in supporting your child with their spellings homework:

- Ask your child to trace over the words so that they learn the shape of it (perhaps by using different coloured pencils)
- Make up a rhyme or sentence with the letters in the word
- Use different materials to make the word e.g. magnetic letters, sticks, beads, paint, use chalk
- Write the word, cover it, write it again, check it. Repeat this process.
- Look at the spelling patterns in the word together with your child
- Put the words up in the house or in their bedroom so that they become familiar with the patterns within it.
- Put movement into learning words. Have your child clap for each letter or take a step for each letter as they spell the word orally.
- Let your child play teacher. Let him teach you the words he is learning to spell. Spell them orally to him. Let him correct you. Make a game of it.

## **Supporting your child with Research Tasks**



The following points may provide some guidance in supporting your child when they are asked to complete research based tasks:

- Encourage your child to visit the library in order to research information from a range of books
- Encourage your child to use the internet in order to research the specific topic area. However, when doing so, pupils need to be encouraged to make notes rather than copy entire chunks of text from the webpage. This will deepen learning and aid understanding of the topic.
- You could consider collecting leaflets or information sheets in relation to the topic area
- Perhaps watch factual programmes in relation to the specific topic
- Try to talk to experts who have some subject knowledge about the topic and can speak about it first hand
- Perhaps visit places which relate to the topic e.g. a museum, a castle etc.
- Take photographs of aspects which relate to the topic area.

