## Maths & English Tasks - Y5
(Set 2, Monday 20th April - Friday 1st May 2020)

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<thead>
<tr>
<th>Day</th>
<th>Maths</th>
<th>English</th>
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| 11  | **Place Value** (Use your book for all tasks)  
1. Write these numbers starting with the smallest: 901, 1091, 910, 109, 190.  
2. In each of these numbers, what value does the digit 5 have? 17,526,010  2,110,735,000  
3. Here are some digits: 2, 4, 6, 6 
Write all the three-digit numbers, greater than 500, which can be made using these digits. The first one has been done for you: 626 | **Writing** – Story Plan  
Over the next 5 sessions, your task is to plan, write and edit a story. Your story should be based on one of our project themes (Alchemy Island, Pharaohs, Stargazers, Off With Her Head or Scream Machine).  
During this session you should plan your story.  
• You could start with a mind map or list of possible ideas.  
• Then plan in more detail what is going to happen at the beginning, middle and end of your story. |
| 12  | **Roman Numerals** (Use your book for all tasks)  
1. Write the following Roman numerals in ascending order: L XIX XV XXXI  
2. The World Cup was held in Japan and South Korea in 2002. Write down the Roman numerals in your book and circle the correct one.  
   MMII MMMII CCII  
3. Complete the calculations. Write the answers in Roman numerals.  
   LX + 20 =  
   90 – XXXVI =  
   XCI + 8 =  
4. Create your own Roman numeral calculation for someone else to solve. Make sure you know the answer! Create as many as you wish. | **Writing** – Write the beginning of your story  
Remember to include:  
• A description of the setting using adjectives (for example, the *ancient, colossal* ruins).  
• A description of the main characters in your story.  
• Speech from the main characters.  
**Throughout your story you should use (success criteria):**  
• Capital letters for proper nouns (names and places) and at the beginning of each sentence.  
• Pronouns to replace nouns (for example, *he, she, they*).  
• Parenthesis to add detail (commas, dashes and brackets). For example, The archaeologist (*who had spent years researching the ancient tombs*) meticulously brushed the faded stone.  
• A variety of conjunctions to move the story on (for example, *then, after that, meanwhile, at that moment, when*). |
**Area and Perimeter** (Use your book for all tasks. Show your workings and jottings)

1. What is the perimeter of Liam’s shape?
2. What is the area of Liam’s shape?

![Diagram of Liam's shape]

Liam has two rectangular tiles like this.

3. The area of a rugby pitch is 6,108 square metres. A football pitch measures 112 metres long and 82 metres wide. How much larger is the area of the football pitch than the area of the rugby pitch?

Tip: Perimeter is the distance around the edge of a 2D shape. Area is the amount of space taken up by a 2D shape. We measure area in square units (cm² or m²).

**Writing** – Write the middle of your story
Remember to include:
- The build-up and the problem in your story (for example, the characters become trapped in the ancient ruins).
- Speech from the main characters.

**Area and Perimeter**

Remember the Ancient Egyptians? They used to measure in cubits (from the tip of your middle finger to your elbow).

1. Measure the perimeter of your living room or bedroom in cubits.
2. Measure the area of your living room or bedroom in square cubits (c²).

Hints and tips:
We can work out the perimeter of a rectangular shape by multiplying the length and width by 2 and adding them together

\[(\text{length} \times 2) + (\text{width} \times 2) = \text{Perimeter}\]

\[2l + 2w = P\]

**Writing** – Write the end of your story
Remember to include:
- How the problem in your story is resolved (for example, do the characters find a magic object that helps them escape?).
- How the story ends (for example, does it end happily or is there a twist in the plot?).
We can work out the area of a rectangular shape by multiplying the length by the width
Length \times width = area
l \times w = a

If your room is a different shape, you may have to split it into smaller rectangles!

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<tr>
<th>Area and Perimeter</th>
<th>Writing – Edit your story</th>
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<tr>
<td>1. In your book, draw an accurate plan of your chosen room. Label the area and perimeter measurements on your plan.</td>
<td></td>
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<tr>
<td>2. Add some of the furniture. Use another Ancient Egyptian measurement - the handspan - as your unit of measure.</td>
<td></td>
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<tr>
<td>3. Add colour and some Egyptian symbols if you wish.</td>
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<tr>
<td>15</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Graphs and Tables</th>
<th>Writing – Instruction Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Measure the temperature outside at the same time every day (perhaps 11am) and make a note in your book: Monday 3 degrees C</td>
<td></td>
</tr>
<tr>
<td>You will need this information for Friday. You can use the weather app on a phone or tablet. You will not need a thermometer.</td>
<td></td>
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<tr>
<td>2. Use your die to create a 4-digit number and a 3-digit number.</td>
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<tr>
<td>3. Subtract the smaller number from the greater number.</td>
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<tr>
<td>4. Use the inverse to check your answer. Complete at least 5.</td>
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<tr>
<td>For example: 5675 – 655 = 5020 5020 + 655 = 5675</td>
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<tr>
<td>5. Create yourself some more challenging problems using greater numbers.</td>
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<td>16</td>
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Writing – Edit your story
- Read the success criteria from day 12.
- Read carefully through your story. Does it include all of the success criteria?
- Edit and improve your story.

Writing – Instruction Plan
Over the next 5 sessions, your task is to plan, write and edit a set of instructions. Your instructions could be based on anything you like doing (for example, playing a game, playing football (or any other sport), drawing a picture, creating a dance, making a cake, making a den or roasting marshmallows to perfection!). Your instructions should be written so that they could be followed by someone else in Year 5.

During this session you should plan your instructions.
Your plan should include notes on:
- A title for the instructions (for example, How to draw the perfect picture).
- An introduction to explain what the instructions will help the reader to do. This should include questions to ‘hook’ the reader and make them want to read your instructions.
- A list of things the reader will need (for example, ingredients for a recipe).
- Notes on the steps that need to be followed by your reader to complete the task.
- A conclusion to sum up the task and check that your reader has achieved the right outcome.
### Multiplication
(You will need dice. Use your book for all tasks)

1. Roll one die 3 times to create a 3-digit number. Roll the die again to find a number to multiply it by. Solve using formal method. Show your workings and jottings. Create at least 5 calculations to solve.

2. Use your dice to create a 4-digit number and multiply by a 2-digit number. Create at least 5 calculations to solve.

3. Create your own multiplication word problems for someone else to solve. You might want to base them on your English writing. Make sure you know the answer! There is an example below...

   *Emma discovers a jar full of 126 precious stones. Her secret map tells her that there are another 4 jars hidden in the tomb, each holding 126 stones. How many precious stones are there in all 5 jars? 126 \times 5 = 630 precious stones*

### Division
(Use your book for all tasks)

1. Roll one die 4 times to create a 4-digit number. Roll the die again to find a number to divide it by. Solve using formal method. Show your workings and jottings. Create at least 5 calculations to solve. There may be remainders. You may be able to convert the remainders into fractions.

2. Create your own division word problems for someone else to solve. Create as many as you want. You might want to base them on your English writing. Make sure you know the answer!

### Writing
- **Writing** – Write the title, introduction and a list of things the reader will need
- Remember to include:
  - Questions to hook the reader. For example: Have you always wanted to make the perfect cake? Then look no further, just follow these simple instructions and you’ll be making cakes your family won’t be able to resist eating!
  - A clear list of things the reader will need.

- **Writing** – Start to write the steps that need to be followed
- Remember to (success criteria):
  - Write at least 6 steps.
  - Write the steps in a chronological (time) order.
  - Use conjunctions, prepositions and adverbs to show time, place and cause. For example: After that, inside the bowl, As soon as it has melted.
  - Include imperative (bossy) verbs. For example, beat the eggs with a fork.
  - Include extra tips and advice, especially for more difficult parts of the task.

You may also include pictures or diagrams to help your reader to understand the instructions better.
Graphs and Tables
Copy this table into your book and complete it.
The table shows average rainfall in Leicester over a year. Complete the graph using the information from the table.

<table>
<thead>
<tr>
<th>Month</th>
<th>Rainfall (mm)</th>
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<tbody>
<tr>
<td>Jan</td>
<td>54</td>
</tr>
<tr>
<td>Feb</td>
<td>40</td>
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<tr>
<td>Mar</td>
<td>56</td>
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<td>Apr</td>
<td>38</td>
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<td>May</td>
<td>48</td>
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<td>Jun</td>
<td>46</td>
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<td>Jul</td>
<td>58</td>
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<td>Aug</td>
<td>60</td>
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<td>Sep</td>
<td>50</td>
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<td>Oct</td>
<td>57</td>
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<tr>
<td>Nov</td>
<td>65</td>
</tr>
<tr>
<td>Dec</td>
<td>50</td>
</tr>
</tbody>
</table>

Writing – Complete the steps that need to be followed and conclusion
- Complete the steps that need to be followed.
- Write the conclusion to sum up the task.

Graphs and Tables
Create a line graph in your books showing the temperature on each day of the week (Monday to Friday). Use some colour. This example may help.

Remember – time goes along the x (horizontal) axis and temperature goes up the y (vertical) axis. Make sure there is an equal distance between each number and each day of the week. There is something missing from the example you have been given. What could it be?

Writing – Edit your instructions
- Read the success criteria from day 18 for the steps to take.
- Read carefully through your instructions. Have you included all of the success criteria?
- Edit and improve your instructions.

How about sharing your instructions with someone else? Can they follow them?