

YEAR 5

Spring 1: Smashing Saxons



Spring 2: Extreme Earth



Spring Term 2020

Homework Project Booklet

Introduction

Welcome to the Spring Term homework booklet! Here you are presented with a choice of tasks to complete over the term, many of which are linked to your topic.

Each week you must complete a maths task (usually set by your teacher*) and one other activity selected from the booklet. Please continue to hand in your homework book weekly on a Wednesday for checking progress and marking.

The activities are organised by subject. To achieve a good balance over the term, the booklet shows the minimum number of tasks to be completed for each subject.

* Maths

If there is no specific maths homework set by your teacher, please practise one of the maths objectives from the back of the booklet.

English: Choose at least 5 tasks

- **Read daily!** Write a response to your reading:
 - Write a 'blurb' for the back cover
 - Describe a favourite character
 - Recount part of the story in your own way
 - Write a letter to a character
 - Write a book review
 - Read to someone and ask them to write a comment
- **Describe a setting** of your choice in rich detail
- **Practise spellings** from the year 5 /6 list (back of booklet)
- Write a **list poem** about a subject of your choice
- Write a **legend** based in Saxon times
- Write a **glossary** of Saxon words
- Write a **diary entry** based on a character from the book Beowulf
- **Older literature:** Ask a parent or grandparent to tell you about their favourite childhood book. What did they tell you? Write a summary of the story.

Science: Choose at least two tasks

Spring 1 – Forces:

- Design an experiment that tests gravity or friction.
- Create a **poster for display** that explains the key differences between air resistance, water resistance and gravity
- Write a detailed **fact file** about Sir Isaac Newton

Spring 2 – Living Things & Their Habitats

- Plant seeds in two different pots at home but grow each under different conditions e.g. one has no light or water. Observe what happens and record your findings.

Spring 1 – History (Saxons): Choose at least 1 task

- Create a **timeline** to show important events over the Saxon period
- What was the **historical event** ‘The Battle of Hastings’? Present your findings in an interesting way.
- Write a **character profile** of a well-known Saxon figure e.g. King Arthur
- Show on your own outline **map of the UK** where the *Battle of Hastings* took place. Label the nearest cities and any major rivers.

Spring 2 – Geography (Extreme Earth): Choose at least 1 task

- Produce a poster or model showing information about either: hurricanes, volcanoes, earthquakes, wildfire, flooding, tornadoes. You could include some key facts and figures.
- Look at the news to research the impact of a natural disaster in another country. What happened? What happened in the aftermath? You could present your work as a newspaper article of your own.
- On an outline map of the world, label some key volcanoes and when they last erupted. Find out where the 'Ring of Fire' is and label it on your map.

Art / Design and Technology: Choose at least 1 task

- Create your own **Saxon** emblem. Explain your design.
- **Sketch or Paint** a landscape of your choice! Use **sketching and shading** techniques.
- **Design a menu** for a feast in the Saxon village.

****If no specific maths homework is set, try practising one of the objectives below ****

Maths: Year 5 Key Objectives

Number and Place Value:

- Read, write, order and compare numbers to at least 1 000 000
- Count forwards or backwards in steps of multiples of 10 for any number up to 1 000 000
- Count forwards and backwards with negative numbers, including through zero
- Round a number to the nearest 10, 100, 1000, 10 000 and 100 000
- Read Roman numerals to 1000 (M) and recognise years written in Roman numerals

Addition and subtraction:

- Add and subtract whole numbers with more than 4 digits, in columns
- Add and subtract numbers mentally with increasingly large numbers
- Solve addition and subtraction multi-step problems

Multiplication and division:

- Identify multiples and factors (and common factors of two numbers)
- Work out if a number up to 100 is prime
- Multiply numbers up to 4 digits by a one- or two-digit number
- Divide numbers up to 4 digits by a one-digit number
- Multiply and divide numbers (and those involving decimals) by 10, 100 and 1000
- Use square numbers and cube numbers
- Solve problems involving multiplication and division

Number – Fractions (including decimals and percentages):

- Order fractions (where denominators are multiples of the same number) e.g. $\frac{2}{3}$ $\frac{7}{9}$ $\frac{5}{15}$
- Write equivalent fractions of a given fraction
- Recognise mixed numbers and improper fractions and convert from one form to the other
- Read and write decimal numbers as fractions. For example, $0.71 = \frac{71}{100}$
- Round decimals with two decimal places to the nearest whole number and to one decimal place
- Order and compare numbers with up to three decimal places
- Write percentages as a fraction with denominator 100, and as a decimal

Measurement:

- Convert between different units of metric measure (e.g. cm and metre; gram and kilogram; litre and millilitre)
- Convert approximately between metric units and imperial units such as inches, pounds and pints
- Measure and calculate the area and perimeter of shapes in centimetres and metres
- Solve problems involving measure [for example, length, mass, volume, money] using decimal notation

Geometry:

- Identify a wide range of 3-D shapes
- Estimate and compare acute, obtuse and reflex angles
- Draw given angles, and measure them in degrees ($^{\circ}$)
- Use the properties of rectangles to find missing lengths and angles

Statistics:

- Solve problems using information presented in a line graph
- Complete, read and interpret information in tables, including timetables.

Word list – years 5 and 6 (for spelling practice)

accommodate	embarrass	persuade
accompany	environment	physical
according	equip (–ped, –ment)	prejudice
achieve	especially	privilege
aggressive	exaggerate	profession
amateur	excellent	programme
ancient	existence	pronunciation
apparent	explanation	queue
appreciate	familiar	recognise
attached	foreign	recommend
available	forty	relevant
average	frequently	restaurant
awkward	government	rhyme
bargain	guarantee	rhythm
bruise	harass	sacrifice
category	hindrance	secretary
cemetery	identity	shoulder
committee	immediate(ly)	signature
communicate	individual	sincere(ly)
community	interfere	soldier
competition	interrupt	stomach
conscience*	language	sufficient
conscious*	leisure	suggest
controversy	lightning	symbol
convenience	marvellous	system
correspond	mischievous	temperature
criticise (critic + ise)	muscle	thorough
curiosity	necessary	twelfth
definite	neighbour	variety
desperate	nuisance	vegetable
determined	occupy	vehicle
develop	occur	yacht
dictionary	opportunity	
disastrous	parliament	