YEAR 6

Over the Deep Blue Sea

Spring Term 2018

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 <u>Wednesday </u>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.

* <u>Maths</u>
If there is no specific maths homework set by your teacher, please practise one of the maths objectives from the back of the booklet.

- **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
- Write a **non-rhyming poem** on a subject of your choice.
- Write a **rhyming poem** on a subject of your choice.
- Write the opening to a **story** that includes a **flashback.**
- Write a chapter that could be in your **autobiography.**
- Write a chapter that could be included in somebody else's **biography.**
- Write a detailed **character description** from the book **The Life of Pi**.
- **Create a SPAG poster** for display. Choose an area of spelling, punctuation or grammar (SPAG) e.g. Phrase, clause, apostrophes for omission and possession, article and preposition. You decide!
- **Practise spellings** from the year 5 / 6 list (back of booklet)
- Find examples of effective **chapter openings or endings** in a book you are reading. Then write your own alternative ones.
- Write some emotion words. e.g. Ecstatic, Sad, Worried, Bored, Lonely etc. Then write **'Show not Tell' sentences** to match each emotion e.g. He leaped high and punched the air! (Ecstatic)
- Write a **story opener** to a Viking saga.
- Look up a Viking saga (story) and be able to **verbally retell** the story.

Science: choose at least 1 task:

- **Interdependence and adaptation:** Choose an animal and describe how it adapts to its habitat.
- What is the impact of destroying a habitat?
- **Animals including humans:** Think about the way humans stay healthy. Create a poster to promote healthy living.

History: choose at least 2 tasks

- Create a **timeline** showing the important events that occurred during the time the Vikings were in Great Britain.
- Find out **ten interesting facts** about the Vikings.
- Write a **character profile** of **Eric the Bloodaxe** or another important figure in Viking times.

Geography: choose at least 1 task

- Print out a **map of the UK** (or draw it!) and label ten of the biggest cities.
- Describe a journey that you make using geographical language such as **North, South, South-East, left, right and junction include in your description roads that you travel on and landmarks that you pass.**

Art / Design and Technology: choose at least 1 task

- **Make a simple sailing boat**. Test it out on water and evaluate its effectiveness. A photograph would be lovely!
- Make a **Viking stew** using root vegetables and meat. Write out the **recipe** and ask for your family's opinion on how it tasted. Ask them to comment in your homework book.
- Look at **Viking Jewellery** and make your own using junk material.
- Make a **collage** of a Viking.

Practise an objective from here if no specific maths homework is set this week
Maths: Year 6 Key Objectives

Number and place value:
- Order and compare numbers up to 10 000 000, identifying the value of each digit
- Round any whole number to a required degree of accuracy
- Use negative numbers and calculate intervals across zero

Number – addition, subtraction, multiplication and division:
- Multiply numbers up to 4 digits by a two-digit whole number using the taught written method of long multiplication
- Divide numbers up to 4 digits by a two-digit whole number and interpret remainders
- Perform mental calculations, including with mixed operations and large numbers
- Identify common factors, common multiples and prime numbers
- Solve multi-step problems, deciding which operations (+ - x ÷) and methods to use

Number – fractions (including decimals and percentages):
- Use common factors to simplify fractions
- Compare and order fractions, including fractions larger than 1
- Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- Multiply simple pairs of proper fractions, writing the answer in its simplest form $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$
- Divide proper fractions by whole numbers (for example $\frac{1}{3} \div 2 = \frac{1}{6}$

- Identify the value of each digit in numbers given to three decimal places
- Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
- Multiply one-digit numbers with up to two decimal places by whole numbers
- Use written division methods in cases where the answer has up to two decimal places
- Recall and use equivalences between simple fractions, decimals and percentages

Ratio and proportion:
- Solve problems involving the calculation of percentages (such as 15% of 360)

Measurement:
- Solve problems involving the calculation and conversion of units of measure, using decimal notation
- Convert between units of length, mass, volume and time
- Recognise that shapes with the same areas can have different perimeters and vice versa
- Calculate the area of parallelograms and triangles

Geometry – properties of shapes:
- Draw 2-D shapes using given dimensions and angles
- Describe and build simple 3-D shapes, including making nets
- Classify geometric shapes based on their properties and sizes
- Find unknown angles in any triangles, quadrilaterals, and regular polygons
- Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
- Describe positions on the full coordinate grid (all four quadrants)

Statistics:
- interpret and construct pie charts and line graphs and use these to solve problems
- calculate and interpret the mean as an average

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	