YEAR 6

Battles, Bombs and Bravery

Autumn Term 2017

Homework Project Booklet

Introduction

This term you will have a choice of tasks, mostly linked to your topic, which are outlined in this booklet!

You may choose which tasks to do but you must 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 (for example, 6 of the suggested English activities should be completed).

<u>Maths</u>
Maths homework must be completed weekly. The Year 6 maths objectives are listed in the back of the booklet. Some weeks your teacher will give you specific maths homework to complete. Otherwise, you must select an objective from the list in the booklet to practise, choosing your own way to present your work and challenge yourself.

- **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 **formal letter** to Tom Oakley from the Billeting Officer asking him to take in Willie Beech.
- Write a detailed **character description** from the book you are currently reading.
- Write a **newspaper article** with the headline: *WW2 BOMB DISCOVERED BENEATH EASTBROOK SCHOOL!*
- **Create a SPAG poster** for display. Choose an area of spelling, punctuation or grammar (SPAG) e.g. using commas, writing complex sentences, similes and metaphors, effective adjectives. You decide!
- 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** that could be given to another year 6 pupil to continue in their Extended Writing Task

Science: choose at least 1 task:

- **Light:** Draw a poster showing a set of light sources. Investigate how light travels in a straight line. Look at the light spectrum and write an information booklet explaining it.
- **Evolution and Inheritance:** Make a powerpoint showing how animals have changed over time. Design a poster which shows how animals have adapted to their habitat.

History: choose at least 2 tasks

- Create a **timeline** to show important events during WW2
- Write a **non-chronological report** about the role of women in WW2
- Find out about the **Allied bombing of Dresden** in Germany. Present your findings and include your thoughts and feelings about this event.
- Write a **character profile** of Winston Churchill or another important figure in WW2.

Geography: choose at least 1 task

- Print a satellite image of Southwick and the surrounding area using Google™ maps. Label some key **physical and human features** e.g. our school, Shoreham harbour, Southwick Square.
- Create a wordsearch / anagrams of all **the countries in the European Union**

Art / Design and Technology: choose at least 1 task

- Design your own World War 2 **Ration Book.** What food and allowances will it include? What will the coupons look like?
- Create a 'pie chart calendar' (or your own way) that shows what **vegetables are in season** throughout the year in the UK!   Try this website for information:
  http://www.bbcgoodfood.com/seasonal-calendar

A maths activity should be completed every week

<u>Maths: Year 6 Key Objectives</u>

<u>Number and place value:</u>
- 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

<u>Number – addition, subtraction, multiplication and division:</u>
- 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

<u>Number – fractions (including decimals and percentages):</u>
- 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 $\frac{1}{4}$ x $\frac{1}{2}$ = $\frac{1}{8}$
- Divide proper fractions by whole numbers (for example $\frac{1}{3}$ ÷ 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