

CLASS 5 Homework

This half term's spellings:

Ough and augh words – e.g: laugh, cough

Gue and que words – e.g: unique, catalogue

Double letter words – e.g: correspond, committee

Words ending in tion, sion or cian – e.g: commotion, profession, magician

Words ending in tial or cial – e.g: special, partial

Homophones e.g: scene, seen, past passed

Spelling Ideas:

- Make up a crossword puzzle for someone to complete. Make sure you give them clues that explain the words!
- Ask someone to jumble up the letters in each spelling. Try to solve the anagrams.
- Split the words into syllables to help you spell them (com mo tion)

English ideas:

- Find a toy at home with a cog or cam. Write an explanation of how it works. Remember a good explanation text will include good connectives like firstly, meanwhile etc.
- Invent your own gadget for a spy to use. Design an advertising poster telling people what it does, where they can buy it from, how much it costs etc.
- Research and write a short biography of a favourite author.
- Hunt through your reading book and record any examples of complex sentences. Can you spot the main clause and the subordinate clause?

TOPIC / SCIENCE IDEAS:

- Have a look for toys at home which contain cams, cogs, levers or pulleys. Take photographs of them. Can you explain how they work?
- Design (and make if you're feeling adventurous!) a toy with a moving part.
- Create a 'moving' Christmas card using a lever or cog or cam.
- Find toys around your home that are affected by forces. Draw them and label the direction the force acts.
- Look at how forces affect different sports: F1, skiing, swimming etc. Make a science/sport factpage.

Technical Toys

Homework books due
in:
Friday 8th December

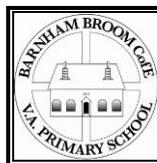
Maths ideas:

- Investigate circle pictures using designs like *spirograph*, where the centre point of the spinning circle changes.
- Use a pair of compasses to create your own circle design.
- Practise written methods for adding or subtracting. Set yourself some questions, then mark with a calculator.
- Take photographs of food divided into different fractions: pizza, pie, chocolate etc. Record the fractions next to the photo. Can you make any equivalent fractions?
- Log onto *MyMaths* and carry out the tasks set on there.

DON'T FANCY MUCH OF THE ABOVE?

- Write a book report on a favourite book you've read.
- Invent your own spelling or maths game
- Watch the new series of Blue Planet (BBC) and create a fact page or poster about it.

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English:

- To answer comprehension questions about the book *Stormbreaker* by Anthony Horowitz
- To recognise complex sentences, main clauses and subordinate clauses
- To write a dramatic, action packed piece of text.
- To research and write a biography of Anthony Horowitz
- To increase vocabulary by investigating synonyms and Antonyms
- To write an explanation text about a spy gadget.

Maths:

- To know fraction, decimal and percentage equivalents ($0.2 = 1/5 = 20\%$)
- To calculate fractions or % of amounts (25% of 60) ($2/5$ of 35)
- To simplify fractions ($18/24 = 3/4$)
- Compare size of fractions by converting to a common denominator
- Convert between mixed numbers and improper fractions ($12/5 = 2$ and $2/5$)
- + and – fractions by converting to a common denominator
- Multiply fractions ($2/3 + 3/5$)
- ÷ fractions by a whole number ($3/8 \div 4$)
- (through topic) To illustrate and name parts of a circle including radius, diameter and circumference.

Science:

- (through topic) Recognise that some mechanisms including levers, pulleys, cogs and cams allow a smaller force to have a greater effect.

Visits / Visitors:

- Camponile bellringing experience

Technical Toys (Autumn 2nd half term 2017) Class 5

Design and technology:

- Understand and use mechanical systems in products
- Investigate and analyse toys with cams
- Form design criteria to make an appealing, fit for purpose toy with a cam mechanism
- Design and model an idea for a toy with a cam mechanism
- Use a range of tools and equipment to make a toy with a cam mechanism

PE:

- Hockey
- Gymnastics

Computing:

- Curriculum objectives taught during carousel by Mrs Hedges.

Music

- Curriculum objectives taught by Mrs Hedges.

PSHE:

- Values for life theme: Thankfulness