



Year 4 Class Newsletter

Autumn Term 2

Believe

Grow

Achieve



Potions

THIS TERM'S LEARNING THEME: POTIONS

SUBJECT FOCUS: SCIENCE

Potion: a poison, a mixture, an aromatic brew, a vapour, a liquid or sticky goo.

Welcome to the amazing, magical world of potions and their properties? ...

Now scientists, beware! There are some powerful potions out there – dangerous, unpredictable or plain tragic (just ask Romeo and Juliet!)

Use what you know about materials and their properties to create incredible potions in Professor Hazard's potions class.

Feeling sleepy? Hmmm- that orange juice did taste a little strange...

Dear Parents

Welcome back to school after the half term break. I hope you are all ready for another busy half term ahead.

As always, if you have any concerns or queries please do not hesitate to contact me via email, the office or a note in your child's learning log.

USEFUL INFORMATION

This term your child will continue to have P.E. on Wednesday and Friday afternoons. Please ensure your child has appropriate P.E. kit in school that can be used indoor or out. Could you also ensure any P.E. kit (and school uniform!) is clearly labelled.

Homework will be set on Friday and expected back in the following Wednesday. This term there is a homework project which is due in December. Weekly homework will consist of Maths (via Mathletics) and English.

Spellings will be tested each week, and a new list set. We have a fabulous online resource to help with spellings, called Spelling Shed. Your child should have login details for this in their learning log for them to access at home.

Date for your diary:

- Tuesday 20th November - class assembly

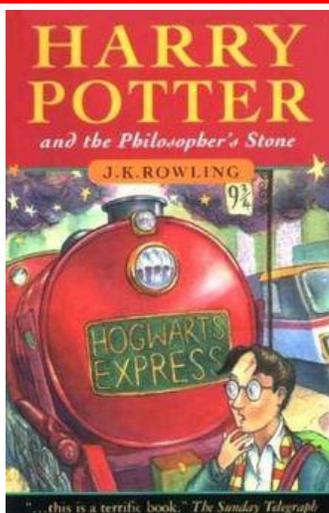
HOW CAN PARENTS HELP?

Reading continues to be a core focus for home learning. Your child should be reading at least three times a week. It would be great if you could hear your child read, or question them about the storyline, characters or even their opinion. The more your child can talk about what they have read, the deeper their understanding will become.

Please encourage your child to share their Mathletics learning with you. Again, this is a great way for your child to explain their reasoning/ answers to a maths question.

Please do not hesitate to get in touch with any further questions.

Kind regards,
Mr Tim Lewington
Year 4 Teacher



KEY LINKED TEXT: Harry Potter and the Philosopher's Stone

ENGLISH: We will be looking at poetry this half term, as well as how to write instructions and science experiments.

SPAG will be embedded daily through focused activities. Spellings will link to these also.

APPLYING MATHS: Maths will begin with multiplying and dividing numbers by 10 and 100, then applying this knowledge to convert between mm, cm and km. We will then move on to calculating perimeter, before looking at multiplication of three digit numbers by two digit numbers.

SCIENCE: Science will be very hands on and messy with lots of experiments happening! Your child will learn about the properties of solids, liquids and gases, comparing heating, melting and cooling. Children will also create their own potions based on their scientific knowledge. If you have an old t-shirt at home that you would not mind donating as an apron, this could come in very handy as some of these experiments could get very messy!

ART AND DESIGN: As part of our science learning, we will be making lots of creative artwork.

DT: Your child will take part in some cooking this term, based on our theme of potions as well as Christmas.

COMPUTING: The main focus this term will be looking at coding.

PE: PE will consist of team games as well as some gymnastics.

PSHE: Our core focus will be on 'anti-bullying' this half term.

RE: Our unit this term is 'What is the Trinity?' We will looking at how this links to the Christmas story.

Year 4 Mathematics Curriculum

Key areas of focus for this half-term are underlined.

Number and Place Value

- ☺ Count in multiples of 6, 7, 9, 25 and 1,000
- ☺ Count backwards, including using negative numbers
- ☺ Recognise the place value in numbers of four digits (1000s, 100s, 10s and 1s)
- ☺ Put larger numbers in order, including those greater than 1,000
- ☺ Round any number to the nearest 10, 100 or 1,000
- ☺ Read Roman numbers up to 100

Calculations

- ☺ Use the standard method of column addition and subtraction for values up to four digits
- ☺ Solve two-step problems involving addition and subtraction
- ☺ Know the multiplication and division facts up to $12 \times 12 = 144$
- ☺ Use knowledge of place value, and multiplication and division facts to solve larger calculations
- ☺ Use factor pairs to solve mental calculations, e.g. knowing that 9×7 is the same as $3 \times 3 \times 7$
- ☺ Use the standard short multiplication method to multiply three-digit numbers by two-digit numbers

Fractions

- ☺ Use hundredths, including counting in hundredths Add and subtract fractions with the same denominator, e.g. $4/7 + 5/7$
- ☺ Find the decimal value of any number of tenths or hundredths, for example $7/100$ is 0.07
- ☺ Recognise the decimal equivalents of $1/4$, $1/2$ and $3/4$
- ☺ Divide one- or two-digit numbers by 10 or 100 to give decimal answers
- ☺ Round decimals to the nearest whole number
- ☺ Compare the size of numbers with up to two decimal places

Measurements

- ☺ Convert between different measures, such as kilometres to metres or hours to minutes
- ☺ Calculate the perimeter of shapes made of squares and rectangles
- ☺ Find the area of rectangular shapes by counting squares
- ☺ Read, write and convert times between analogue and digital clocks, including 24-hour clocks
- ☺ Solve problems that involve converting amounts of time, including minutes, hours, days, weeks and months

Shape and Position

- ☺ Classify groups of shapes according to the properties, such as sides and angles
- ☺ Identify acute and obtuse angles
- ☺ Complete a simple symmetrical figure by drawing the reflected shape
- ☺ Use coordinates to describe the position of something on a standard grid
- ☺ Begin to describe movements on a grid by using left/right and up/down measures

Graphs and Data

- ☺ Construct and understand simple graphs using discrete and continuous data