



Year 6

Guide To
Autumn Term 2

2016



Our curriculum at Summerlea is creative and designed to forge links between the different areas of learning. Each topic we study is led by a driving question to get us thinking. We have listed the **main** curriculum areas that will be addressed by each question and have given a brief outline of what we will be learning.

This half term our driving question will be...

“Hired or Fired?”

DT: This term sees the return of our hugely successful Year 6 enterprise project in which children are set the task to produce a jam to sell at the Christmas Fair; this is a competition in which the winners will be the group who manage to make the largest profit! The children will need to: identify and use the design process involved in creating a new product; carry out market research in order to narrow down their ideas and make informed decisions; learn what is meant by ‘seasonality’ and use this to make decisions; use a range of techniques to prepare and cook a jam safely and hygienically; evaluate the success of their project.

This project is cross-curricular and children will use **maths** skills to understand the basic principles of profit making and try to put these into practice and **ICT** to create posters, labels and TV adverts to advertise their product.

English: As part of the market research they carry out, children will write a letter to an expert about making jam and create surveys in order to gain public opinion. Finally, they will write and present their own recipes in a year group recipe book to sell at the fair.

Maths:

Our main objectives are to:

Practise **problem solving strategies** using a range of materials and problems presented in a variety of ways, including past test questions.

Use mental multiplication strategies to multiply by numbers such as 4, 8, 5, 25, 19, 29 and 99; revise using short multiplication to multiply 4-digit numbers by 1-digit numbers and use this to multiply amounts of money; solve word problems involving multiplication including two-step problems and finding change; use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers.

Convert between grams and kilograms, millilitres and litres, millimetres and centimetres, centimetres and metres, metres and kilometres, and miles and kilometres; revise reading the 24-hour clock and convert 12-hour times to 24-hour; read and write Roman numerals; find time intervals using the 24-hour clock.

Express missing number problems algebraically and find pairs of numbers that satisfy equations involving two unknowns; find missing lengths and angles; understand how brackets can be used in calculation problems; use knowledge of the order of operations to carry out calculations involving the four operations, solve addition and subtraction multi-step problems using knowledge of the order of operations.

Compare fractions with unlike, but related, denominators; correctly use the terms fraction, denominator and numerator; understand what improper fractions and mixed numbers are and add fractions with the same denominator, writing the answer as a mixed number.

Add and subtract unit fractions with different denominators including mixed numbers; use mental strategies to find simple percentages of amounts, including money.

Multiply fractions less than 1 by whole numbers, converting improper fractions to whole numbers; use commutativity to efficiently multiply fractions by whole numbers; divide unit and non-unit fractions by whole numbers; solve word problems involving fractions.

Use mental strategies to divide by 2, 4, 8, 5, 20 and 25; find non-unit fractions of amounts; use short division to divide 3- and 4-digit numbers by 1-digit numbers, including those which leave a remainder; express a remainder as a fraction, simplifying where possible.

Any help at home with learning number facts, times-tables and telling the time would be beneficial!

Talk to your child's Class Teacher for ways to help.

Year 6 news and information

The team:

Mrs Howard (Cherry Class Teacher and Upper KS2 Phase Leader)

Mr Fauvel (Elder Class Teacher)

Mrs Barton (Teaching Assistant)

Exciting days and events:

Year 6 Trip to Sainsbury's: Monday 21st November, morning

Year 6 Information Meeting: Thursday 24th November, 6.00pm

Year 5 and 6 Carol Concert: Tuesday 13th December, 10:15am

FOSS Christmas Fair: Friday 2nd December, 3.00pm (come and buy jam!!)

PE Days:

Mondays/Fridays – indoor PE (this will alternate each week)

Wednesdays – outdoor PE

NB: We ask that your child has their PE kit in school every day as there may be unforeseen timetable changes or additional activities planned. Please ensure this comes straight back into school if they take it home after a sports club.

Homework:

Spellings: set on a Friday, tested on a Thursday.

Maths: set on a Thursday, due in the following Monday.

Coats/snacks/drinks and equipment:

Please ensure your child has appropriate clothing for cold/wet weather as we will often still go out when it is raining and remember to ensure they have a separate jumper for outdoor PE. We ask that every child has a water bottle in school and that break time snacks are put in the class box as soon as they come in in the morning. Children only need one pencil case in school and this must fit in to their drawers.

Please don't hesitate to get in touch with your child's Class Teacher if you have any concerns or queries; our doors are always open.