

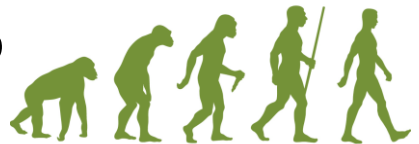
Year 6

Guide To

Autumn Term 1



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...

“What Makes You...You?”

Science: Through this topic, we will learn about variation and adaptation and explore the development of evolutionary ideas and theories over time. We will examine the scientific evidence from plants and animals that has been gathered to support the theory of evolution. Building on their work on rocks, soils, habitats and human development in previous years, the children will be studying fossils in order to explore and question what evidence these can provide about living things that inhabited the Earth millions of years ago.

English: During our Guided Reading sessions, we will be focussing on autobiographies and identifying the features of this genre. The children will then write their own autobiographies and create a website in order to present them. Using the *Ask Dr K. Fisher* books as a stimulus, the children will also create their own agony aunt/uncle questions and advice in order to present their understanding of evolution, inheritance and adaptation.

IRP: Time will be allocated during the week for children to work on their Independent Research Project – a project designed to link to our topic and to develop children’s organisation and time management.

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.

Read, write and compare 6-digit numbers and know what each digit represents; read, write and compare 1-, 2- and 3-place decimal numbers; multiply and divide by 10, 100 and 1000; round decimals to nearest tenth and whole number and place on a number line; convert decimals (up to 3 places) to fractions and vice-versa.

Use mental addition strategies to solve additions including decimal numbers; use column addition to add 5-digit numbers, decimal numbers and amounts of money; solve problems involving number up to 3 decimal places, choose an appropriate method to solve decimal addition.

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.

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.

Use mental addition, column subtraction and Counting up to solve subtractions of amounts of money and word problems; use mathematical reasoning to investigate.

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.

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:

Forest Schools: *These sessions will take place every Tuesday, led by Mr and Mrs Strong (see separate letter for more information).*

Year 6 Information meeting: *Thursday 6th October, 6.00pm*

Upper Key Stage 2 Harvest collection and Assembly: *Friday 7th October, 2.15pm*

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.