



Be KIND

Soyez Gentille

Be SAFE

Soyez Prudente

Be READY

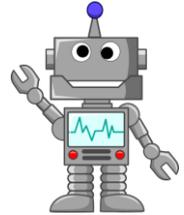
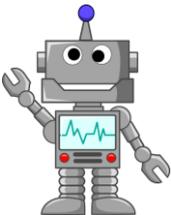
Soyez Prête



Year 4

**Guide to
Summer 1**

2022





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 big question to get us thinking. We have listed the **main** curriculum areas that will be addressed through each question and have given a brief outline of what we will be learning.

This half term our driving question will continue to be...

Are Robots the future?

The key drivers for this topic are **Design Technology** and **Science**.

Our key Science vocabulary for this topic:

electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, wire, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol

Overview

We kick-start the Summer term by immersing the children in an Inventor's workshop environment. Throughout the term, children will explore the world of robots through stories and visual clips.

English: Children will have the opportunity to write a gripping narrative based on the Iron Man by Ted Hughes to entertain their chosen audience. Children will learn to use: similes, alliteration, noun phrases, short and long sentences, onomatopoeia, personification, dialogue and repetition for effect.

Science: In our science learning journey, we will be learning about electricity. We will identify items that run using electricity, construct series circuits and identify items that conduct electricity. We will also learn about fossil fuels and renewable energy.



Computing: Our computing adventure will explore Logo programming. Whereby, children will begin to write algorithms, procedures and debug.

Mathematics:

Our main topics are:

- *Review of fractions*
- *Fractions greater than 1*

The main objectives covered are:

- Identify parts of a whole in relation to the whole, for both shapes and quantities
- Identify equal and unequal parts of a whole, including on number lines
- Explain the size of a part in relation to the whole
- Add and subtract fractions, including mixed number and improper fractions
- Compare and order mixed number fractions
- Convert a quantity from an improper fraction to a mixed number fraction
- Explain how a mixed-number is converted into an improper fraction

As a school, we have invested in the ‘Times Tables Rock Stars’ and ‘Numbots’, educational, online platforms. We would encourage children to use these platforms little and often, with your support where necessary.



Numbots is a robot-immersed game, with the aim of developing children’s understanding, recall and fluency in mental addition and subtraction. We would encourage our children in KS2 to access Numbots to consolidate their core maths skills.



Times Tables Rock Stars is a carefully sequenced programme of daily times tables practice. Children are able to practice multiplication tables, and associated division facts, to develop fluency and speed in recalling multiplication facts. This will impact on later maths skills.

Year 4 information



The team:

Key Stage 2 Phase Leader: Mrs Galpin

Beech Class: Mrs Robins

Elm Class: Mr Burnett

Mrs Moynihan and Mrs Burge (PPA cover)

Mrs Verveckin (Learning Support Assistant)

Mrs Chittenden, Mrs Dyke and Mrs Lade (Individual Needs Assistants)

Exciting days, trips and visitors:

Robot Junkyard Day – TBC

Science week – 23rd to 27th May 2022

Earth Day – 26th May 2022

Jubilee celebration afternoon and FOSS non-uniform day – Friday 27th 2022



PE Days:

Outdoor PE – Tuesday

Indoor PE – Wednesday

Coats/snacks/drinks and equipment:

Children should only bring essential items to school. Please ensure your child has a named waterproof coat and a named water bottle in school every day. Please ensure you are providing your child with a healthy snack, that is separate from their lunch.

Hot Weather

As the weather begins to get warmer, please ensure that your child is dressed appropriately for the heat. Please make sure they bring in a named hat for playtime. Please apply sun cream before your child comes in to school. If sun cream is needed in school please ensure it is named.

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

Preview/review

At the beginning of each half term we like to invite your child to reflect on previous learning and look forward to new learning.

Last half term your big question was:

What's under the layers?

What have you learnt so far?



This half term our big question is:

Are robots the future?

What else would you like to know?

The Summerlea Seven

H ONESTY E QUALITY A SPIRATION R RESPECT R ESILIENCE R RESPONSIBILITY T RUST

Personal Learning and Thinking Skills

(PLTS)



I listen to and value the ideas and suggestions of my classmates.

I contribute to and take part in class discussions.

I am keen to share my work with my teacher and my class.

I put up my hand and answer questions.

I am good at thinking logically and breaking problems into manageable chunks.

I can make a persuasive but open-minded argument.

I take part in a range of activities in my community beyond school.

I Am An Effective Participator



I Am A Creative Thinker

I can imagine new ideas.

I question things that we often take for granted.

I am not afraid to try out alternative ideas or do new things. I will work outside of my comfort zone and see things through.

I can think of innovative and exciting ways to improve my work.

I can make connections and links between ideas.



I Am A Reflective Learner?

I enjoy sharing my learning with others.

I can identify ways to improve my own and other's work.

I can deal positively with praise, constructive criticism and set backs.

I can communicate my learning in different ways.

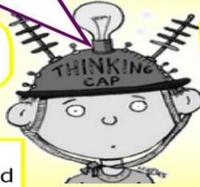
I can set positive challenges to help me achieve my goals.

I can plan a project using SMART targets, learning diaries and review points to keep me on track.

I Am An Independent Enquirer

I can plan and carry out a research project.

I can explain the decisions I make and discuss or present their possible consequences.



I can identify questions to answer and problems to resolve.

I can analyse and evaluate information from a range of sources.

I can explore ideas from different points of view.

I can select the most relevant or valuable ideas to use in my own work.

I recognise and value the strengths of everyone in my team.

I can manage a team effectively to complete a project

I can recognise the efforts and achievements of others and praise them.

I Am An Effective Team Worker



I can discuss things, make compromises and agree with my classmates about how best to achieve a task.

I can take on different team roles and accept responsibility for seeing them through.

I always complete my work and hand it in on time.

I can show Initiative and Perseverance. I see a task through to its end.

I can take and manage risks.

I Am An Effective Self Manager.



I can manage my own emotions.

I can organise my time and resources I need.

I think about problems and search for solutions before asking for help.

I can prioritise what needs to be done during a task.

What badge will you go for this half term?