

KS2 Curriculum Map – Autumn 2 – 2021-2022

The children will be working towards the following skills tailored to their needs:

Mathematics

Number

- Explore counting from 1-20 and beyond.
- Explore counting with 1:1 correspondence.
- Explore matching number to quantity and the value of numbers 1- 20 and beyond.
- Explore the concept of zero.

Calculation

- Combining two groups to find a total
e.g. $2 + 1 = 3$
- Using terms – **part & whole** to understand that two parts make a whole. E.g. $1 + 2$ are the parts and they make the whole which is 3.
- Introducing (+) and (=) symbols.
- Combining totals in a range of contexts.

Measuring

- Measuring volumes, lengths, and weights of items.
- Using different measuring tools e.g. LEGO.
- Comparing different lengths, capacities, and weights using key vocabulary/symbols e.g. shortest, longest, biggest, heavy or light.
- Ordering and comparing items by exploring practical measuring skills.

Shape

- Describe, and sort 3-D shapes in various ways.
- Recognise different 3D shapes.
- Describe position accurately e.g. the square is **next to** the triangle.

Calendar & Time

- Days of the week.
- The seasons.
- Sequence events, e.g. school time.

Understanding of the World

Science

- Explore magnets with different materials.
- Explore, compare and sort magnetic and non-magnetic materials
- Provide toy trains with carriages that connect with magnets to help children explore how magnets work.
- Explore the effects of friction on movement and find out how it slows or stops moving objects by observing the effects of a finger
- Build ramps of different heights to explore the effect this has on the speed and the distance the train travels.
- Explore the forces of pushes and pulls using trains and train tracks.

Humanities

- History of trains
- Explore ways of transport.
- Compare old and new ways of transport.

Technology (Computing)

- Carry out a transport survey outside and use technology to input data and create graphs and charts.

Art and Design & Music

- Explore junk modelling materials to create bridges, trains and tunnels.
- Use trains to run through paint and make patterns and tracks with their wheels.
- Use a variety of large construction materials (crates, hollow blocks, planks etc.) for children to construct a large-scale train track.

Communication, Language, & Literacy

Speaking, Attention, & Listening

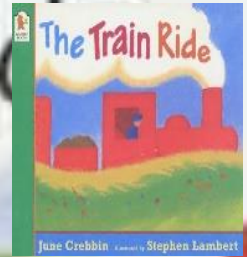
- Play a listening game in which one child is blindfolded in the middle of the circle. Take it in turns to say, 'Tickets please!' in a disguised voice and guess who it was.
- Place objects linked to the story/theme on a tray, e.g. toy train, tractor, hot air balloon, horse, geese etc. Go through with the children what the objects are on the tray. Cover the objects and take one object away. Children to guess which object has been removed.
- Adapt 'Put the washing on the line' game to the story The Train Ride or transport theme.

Reading & Writing:

- Play reading games about ways of transport.
- Responding to illustrations of the story.
- Storytelling/retelling, and sequencing the story.
- Shared Writing. (where appropriate)
- Drawing pictures in theme with the story.
- Writing in role of a character.
- Using pictures, picture maps, & story boxes to retell the story.
- Making books & reading the story aloud.

Continued Reading & Writing Skills:

- Use phonics to read, recognise, write, & trace letters & words.
- Write some irregular common words.
- Read/Write/Copy simple, and more complex sentences which can be read by themselves & others.
- Spell some words correctly and make phonetically plausible attempts at others.
- Read and understand simple and more complex sentences.
- Use phonic knowledge to decode regular words, and read them aloud accurately.
- Read some common irregular words.
- Demonstrate understanding when talking with others about what they have read.



Our key text this half term shall be... **The train ride** by Jane Crebbin.

Physical Development

Continued individualised time to focus on OT targets & fine motor skills:

Pre-Writing:

- Enjoying a variety of props, utensils and activities to develop strength & co-ordination.
- Mark -making with various tools.
- Understanding that marks and symbols convey meaning.

P.E. - Co-ordination & following instructions.

P.S.H.E

- Friendship
- Loss and separation