Maths: At Riverside we promote enjoyment and enthusiasm for Mathematics through exploration, purposeful and practical activities and discussion. Pupils have access to a broad and balanced mathematical curriculum that covers a range of maths subject areas at all levels. We encourage confidence in pupils by nurturing, celebrating and sharing their mathematical knowledge and skills, with opportunities to deepen their knowledge and independence and transfer these skills to a range of contexts to support them in later life.

Communication & Interaction

Develops and makes use of current mathematical language through signing, symbols, words and ACS.

Promotes communication and team work through discussion and reasoning with others.

Provides opportunities to use their knowledge and skills in the local community.

Regular play sessions to give pupils the opportunity to persevere when things do not go as expected by collaborating with their peers and adults to solve problems.

Cognition & Learning

Provide a broad and balanced mathematical curriculum that covers a range of maths themes and subject areas.

Develops understanding of mathematical concepts and specialist vocabulary (STAR).

Different learning styles are catered for to support all streams of children.

Opportunities to practise key stills and embed learning.

Gaps in learning are identified and highlighted through EHCPs and IEP targets.

Sensory & Physical

Supports exploration of mathematical concepts in the world around them.

Promotes transferring of skills in different contexts e.g. outdoor learning, when out on trips.

Opportunities to explore mathematical through an array of hands on experiences using sensory, practical and concrete resources e.g. numicon.

Makes sense of the world around them.

Builds on fine and gross motor skills.

Social, Emotional & Mental Health

Promotes enjoyment and enthusiasm for mathematics through practical activities, exploration and discussion.

Builds on confidence in order to feel a sense of belonging in their community and flourish as individuals.

Encourages confidence in pupils by nurturing and celebrating their mathematical knowledge and skills.

Develops skills for life and increased independence through My Own Work bags, Discovery and play.

EYFS

All pupils in Early Years follow the EYFS framework.

Pupils have opportunities to develop and improve their skills in counting, number recognition and the pattern of number. This also includes learning opportunities for colour, shape and measure through carefully planned enhanced activities.

Pupils are exposed to a play-based approach to learning, with a blend of child initiated and adult-led mathematical opportunities.

Discovery sessions develop resilience through active learning and pupils will make links, explore their ideas and strategies for problem solving.

Pupils begin to build the foundations for learning which paves the way through their school life.

Discovery

All pupils access Number, Using & Applying skills and Shape, Space & Measures.

Each cluster focuses on a theme each half term to ensure breadth of mathematical knowledge, opportunities to build on prior knowledge and the generalisation of skills across the key stages.

Planning is blocked e.g. area of study is taught in one week to ensure that skills are embedded through opportunities to revisit or 'overlearn' key concepts (STAR).

Pupils are taught the skills they need, through an array of hands on experiences. They experience concrete resources e.g. numicon, moving onto pictorial representations to develop their understanding.

Discovery sessions develop resilience through active learning and pupils will make links, explore their ideas and strategies for problem solving.

Pupils use ICT to deepen their learning and understanding, making use of practical activities on the whiteboard or iPads.

Builders

All pupils access Number, Using & Applying skills and Shape, Space & Measures.

Each cluster focuses on a theme each half term to ensure breadth of mathematical knowledge, build on their previous learning of big ideas and key concepts with an increased emphasis on independent learning.

Pupils work towards a deepened understanding of the National Curriculum, moving on from concrete and pictorial to abstract representations.

Play sessions support a number of skills in addition to those concerned with motor skills, including imagination, planning and trying out and testing ideas.

Pupils use ICT to deepen their learning and understanding, as well as encouraging their independence. Pupils access a range of practical activities on the whiteboard or iPad, as well as utilising resources such as beebots to extend their learning.

Impact

- Progression of skills seen through the EYFS framework. - development Matters/Birth to 5 matters, EHCP targets, IEP targets and teacher observations.
- Pupils are encouraged to 'have a go' and through play, have opportunities to learn and develop skills such as working with others.
- Successes are always celebrated and shared.

Impact

- Progression of skills from Engagement model (below learning step 4), Learning steps 4-8 (as a guide), EHCP targets, IEP targets and teacher observations.
- Pupils show enjoyment through their learning and are confident when using a range of resources to support their learning e.g. numicon.
- Pupils celebrate their successes through sharing work in Be Proud assemblies, postcards home or via seesaw

Impact

- Progression of skills from Learning steps 8 through to year 2-3 of the National curriculum (as a guide), EHCP targets, IEP targets and teacher observations.
- Pupils also have the ability to transfer their skills when out and about e.g. using money when buying something in a shop or recognising numbers out in the community.
- Pupils are able to communicate about their learning and successes using some mathematical language in a positive way.