

Maths Statement Intent 2019-2020

Intent

As stated in the 2014 Maths curriculum aims, the Maths curriculum at Springfield is designed to meet the needs of all pupils, allowing them to:

- become fluent in the fundamentals of Mathematics
- reason mathematically
- solve problems by applying their Mathematics

Through our teaching we ensure that children are enjoying maths and becoming confident in their ability to apply their skills to wider life. Through the learning of maths the children will become independent learners who can reason and develop the curiosity to see links between maths and other subjects.

We instill a love of learning, a belief that anything is possible and demonstrate resilience when meeting a challenge. This develops the pupil's independence and strength of character.

Implementation

Springfield Junior School follows a mastery style of teaching which is tailored to suit the needs of the pupils in the school. Teachers have high expectations and pupils are encouraged to achieve the best possible.

The children move through the curriculum at roughly the same pace but may receive extra support in the form of scaffolding, use of resources, pictorial representations or adult support. Some children also have their knowledge and understanding deepened through questioning, explaining and deep reasoning activities.

Throughout the lessons the children at all levels are expected to explain and justify their answers and ways of calculating. This helps them to deepen their understanding of how they learn. Teachers use precise questioning to check conceptual and procedural knowledge.

Teachers follow the White Rose Small Steps and supplement this with a range of additional resources.

Throughout the lesson the pupils are answering, explaining, proving and supporting each other with their learning. The teacher facilitates this but the explanations and discussions come from the pupils. The curriculum allows for an engaging and interactive exploration of maths.

Lessons also include a Deep Dive which is there to push the thinking and knowledge further and applies the learning to different situation.

Pupils also compete in a weekly times tables challenge, as a class, to win the school goldfish. This is differentiated for each year group and progresses as the year goes on.

Impact

This method of teaching maths allows all pupils to achieve. They are all given the same maths diet and access to the same work. Through scaffolding and careful questioning all pupils are able to reach the same end point. There is no lid put on any child's learning. This has enabled us to make learning fun, achievable for all and to show improved outcomes.