



Maths Impact Statement

Overall aim: To teach pupils to become fluent in the fundamentals of mathematics, applying their declarative knowledge to procedural methods and then conditional reasoning.

Achievement

	EYFS	KS1	KS2
Progress			
Attainment	90%	72%	72%

What is the impact on the school?

Children in Y1 were able to speak about how maths had helped their learning across different subjects, such as when they measured out ingredients when making fruit kebabs. They also spoke about doing maths in the nature garden.

Y4 pupils spoke about how mixed arithmetic lessons had helped methods stick. Children understood that our teaching sequence in maths helps us to measure the progress we've made and the impact that learning and teaching has had upon our understanding.

What is the impact on the local area?

KS1 children linked maths to football skills, building things and going to the shops, whilst KS2 pupils referred to how strong maths skills could make us more educated overall as a local community.

What is the impact on preparing our children for life in Modern Day Britain?

Children in Y1 spoke about how doing well in maths could lead to you becoming a teacher, shopkeeper, fire fighter, doctor or police officer when older. One child spoke at length about her mam's profession (selling cars and trucks) and how she needed to use her maths every day for this.






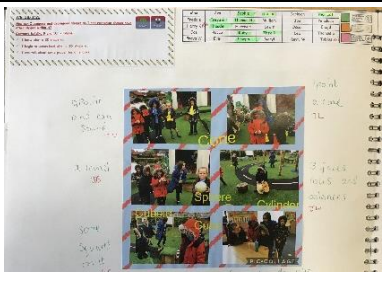
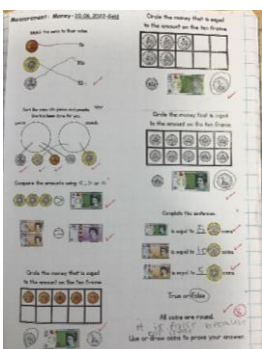
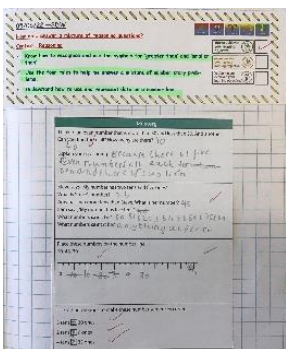


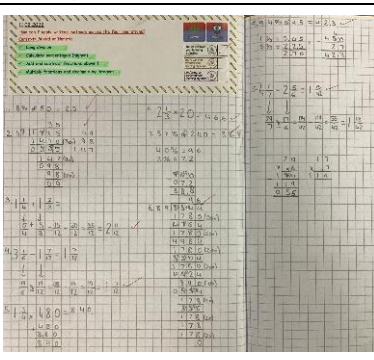
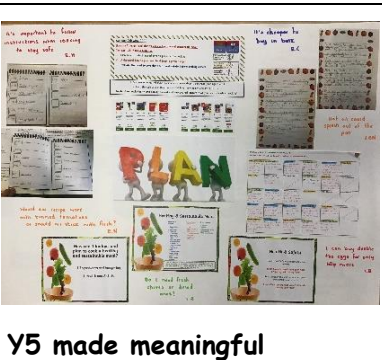
In KS2, children were able to link attainment in maths with industries like engineering. Pupils explained that by improving their budgeting skills in DT, they were readying themselves for when they have money of their own when older. The children were reminded by the maths lead about the local development of Iamp, which will lead to 7000 new STEM-based jobs becoming available over the next ten years.

Impact of child conferences: Children in KS1 linked maths well to other curriculum areas and early job aspirations. Whilst children in KS2 understood to an extent the purpose of their maths learning in preparing them for life in Modern Day Britain, this discussion was a good opportunity to provide them with a specific example of how learning in maths/STEM can lead to a local job at the upcoming Iamp.

Impact of data: Percentages of children achieving the expected standard at the end of KS1 and KS2 are above the national average.

Next steps: Improve the fluency of recall of multiplication facts (to be measured by MTC results) and focus on the attainment of girls by the end of KS2 (to be measured by KS2 SAT results).

Portfolio of Work

			
EYFS	 <p>Reception grew their early understanding of number when subitising as part of the Mastering Number Programme.</p>	 <p>Children in reception have strengthened their whole-class maths number learning when working independently in their maths books.</p>	 <p>Reception have used their outdoor area to make connections between maths and the outside world/local area.</p>
KS1	 <p>This child in Y1 was one of many who demonstrated fantastic growth in wisdom from cold to gold, achieving maximum marks on this end of unit money assessment.</p>	 <p>Y2 demonstrated their strength, self-belief and resilience as they tackled highly-challenging NCETM reasoning problems across spring term.</p>	 <p>Y1 connected their maths learning with the outside world using concrete resources outdoors to support their understanding of division.</p>
KS2	 <p>Y3 grew their understanding of number right from the first week, diving head first into the concrete resources that would go on to support their fluency, methods and reasoning across the rest of the year.</p>	 <p>Y6 built their mental strength as they practised procedural methods and reasoning skills ready for the KS2 SATs through their daily guided maths and weekly mixed arithmetic sessions.</p>	 <p>Y5 made meaningful connections between their maths learning and DT during food and nutrition week, budgeting well. This idea soon spread across the school, with all classes budgeting in following food and nutrition weeks.</p>