

The Ryde School SDP 2022-2023

Domain: Mathematics

Domain Leader: Catherine Brumby

**Objectives for Mathematics**

<b>Achievement gap issues</b>	
<b>Objective 1</b>	To audit, organise and replenish manipulatives.
<b>Objective 2</b>	To increase connectivity between Mathematics and STEM subjects.
<b>Objective 3</b>	To improve children's recall of times tables.
<b>Objective 4</b>	To ensure additional resources are being used to supplement the White Rose scheme of work.

Objective 1	To audit, organise and replenish manipulatives.					
Action	Timescale	Person responsible	Budget/resource implications	Monitoring (who by and how often)	Success criteria	SEF reference
To ensure there are sufficient resources and manipulatives to teach the White Rose scheme of work effectively.	By the end of the Autumn term 2022.	CB and class teachers to report/request required resources.	Maths budget to replace/purchase any resources needed.	CB Autumn term then annually	Staff are able to teach using the models suggested in the White Rose scheme of work with suggest manipulatives, providing adequate amount for the class.	
Staff to be aware of resources available in the school.	By the end of Autumn 2022	CB and staff to ensure they have familiarized themselves.	Time (possibly during INSET)	CB check in's with staff termly	Staff will know what is available to support teaching.	
Staff to share good practice with manipulatives.	Ongoing	CB	Staff meeting time	CB termly	Staff will bring manipulatives to staff meetings to share what they have used and how.	
To have a progression map of representations across the school.	End of July 2023	CB	Subject lead time	CB	A progression map of manipulatives will be made to show	

					what is used in different year groups and how. (Calculation policy)	
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Objective 2	To increase connectivity between Mathematics and STEM subjects.					
Action	Timescale	Person responsible	Budget/resource implications	Monitoring (who by and how often)	Success criteria	SEF reference
To deliver INSET/staff meeting training around the links between Mathematics and the STEM subjects.	By Spring 2023	CB with support from EM	Staff meeting/INSET time	N/A	Staff will have an increased awareness of how closely maths links to other subjects and will have new ideas how to do this.	
To monitor planning of the teaching and learning of connectivity.	By the end of Spring 2023.	CB	Subject leader time	CB termly	Maths will have explicit links in planning of STEM subjects.	
To audit connectivity across the school.	End of Summer term 2023	CB	Subject leader time	CB termly	All year groups will have explicit maths links in other areas of the curriculum.	

Objective 3	To improve children's recall of times tables.					
Action	Timescale	Person responsible	Budget/resource implications	Monitoring (who by and how often)	Success criteria	SEF reference
To relaunch TTRS through an assembly and competitive opportunities.	September 2022	CB	Subscription payment	CB ongoing	All children will have a login for TTRS and will have regular opportunities to play during school time.	
To ensure all children are familiar with the format and have regular opportunities to play in school.	September 2022	CB and class teachers	Assembly time. Weekly sessions in class.	CB termly	All children will have time dedicated to their class timetable for them to practice their times tables using the program.	
To assess the impact of TTRS on children's ability to recall times tables.	Summer 2023	CB	Time to analyse data.	CB termly and at the end of academic year when Year 4 MTC results come through.	Children will have made significant progress on their progress charts on the program.	

Objective 4	To ensure additional resources are being used to supplement the White Rose scheme of work.					
Action	Timescale	Person responsible	Budget/resource implications	Monitoring (who by and how often)	Success criteria	SEF reference
To discuss with staff the resources that are available to supplement the White Rose scheme of work.	Summer 2022/Autumn 2022	CB	Staff meeting time	N/A	Staff will know places where additional resources can be found.	
To check planning and books other resources being used e.g. Nrich activities, investigations, games etc.	End of Autumn 2022, Spring 2023 and Summer 2023	CB and teachers	Subject leader time	CB termly	Reduction in use of worksheets in exercise books.  A range of resources being used to support the teaching and learning of maths.	
Children will have a broader knowledge of how to apply their mathematical knowledge.	Summer 2023	Class teachers	N/A	CB termly	Children will be able to talk about different ways they have used their knowledge.  Children's formative assessments should improve.	

## Objectives for Mathematics review (End of 2022-2023)

<b>Achievement gap issues</b>	
<b>Objective 1</b>	
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<b>Objective 2</b>	
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<b>Objective 3</b>	
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<b>Objective 4</b>	
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<b>Objective 5</b>	
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<b>Objective 6</b>	
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