



Step 4: Maths



curious
minds
Discover STEM

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Early Maths



Early Maths activities i.e sorting and classifying and exploration of shapes from the boys in our Sonas Class!



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Maths Trails



Pupils from the Junior Room worked collaboratively to do a number based Maths Trail in the school grounds during Maths Week. They did great work!



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Maths Trails



Pupils from the Middle Room did a Maths Trail activity in the school grounds during 'Maths Week' to identify different types of lines and angles. They then integrated Maths with movement to create different lines and angles using body parts!



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Maths Trails



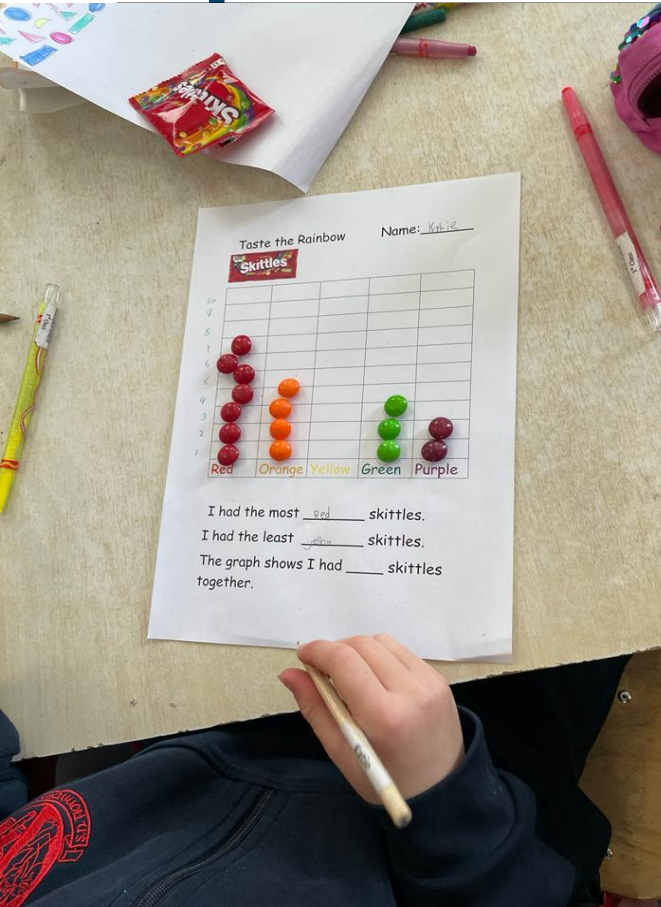
Pupils from the Senior Room opened their 'Maths Eyes' to see Maths in the school grounds!



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Data



The pupils in the Junior Room did really practical and 'hands on' activities to explore the Data strand of the curriculum. They even got to eat the 'concrete materials' afterwards!



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Capacity



1st Class did lots of 'hands on' work as part of their work on Capacity. Firstly, they estimated the capacity of different containers. Next they found the capacity of the containers and finally they compared their estimates and actual measurements.



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Chance



Pupils in the Middle Room worked collaboratively and cooperatively to explore the strand unit Chance of the Maths Curriculum.



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Symmetry



The pupils in the senior room cut out a variety of different 2-D Shapes. They then folded them to find their lines of symmetry. They then drew in the lines and recorded their findings.



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Tangrams



The Pupils in the Senior Room explored the Ancient Chinese puzzles Tangrams as part of their study of 2D Shapes.



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Izak 9 Cubes



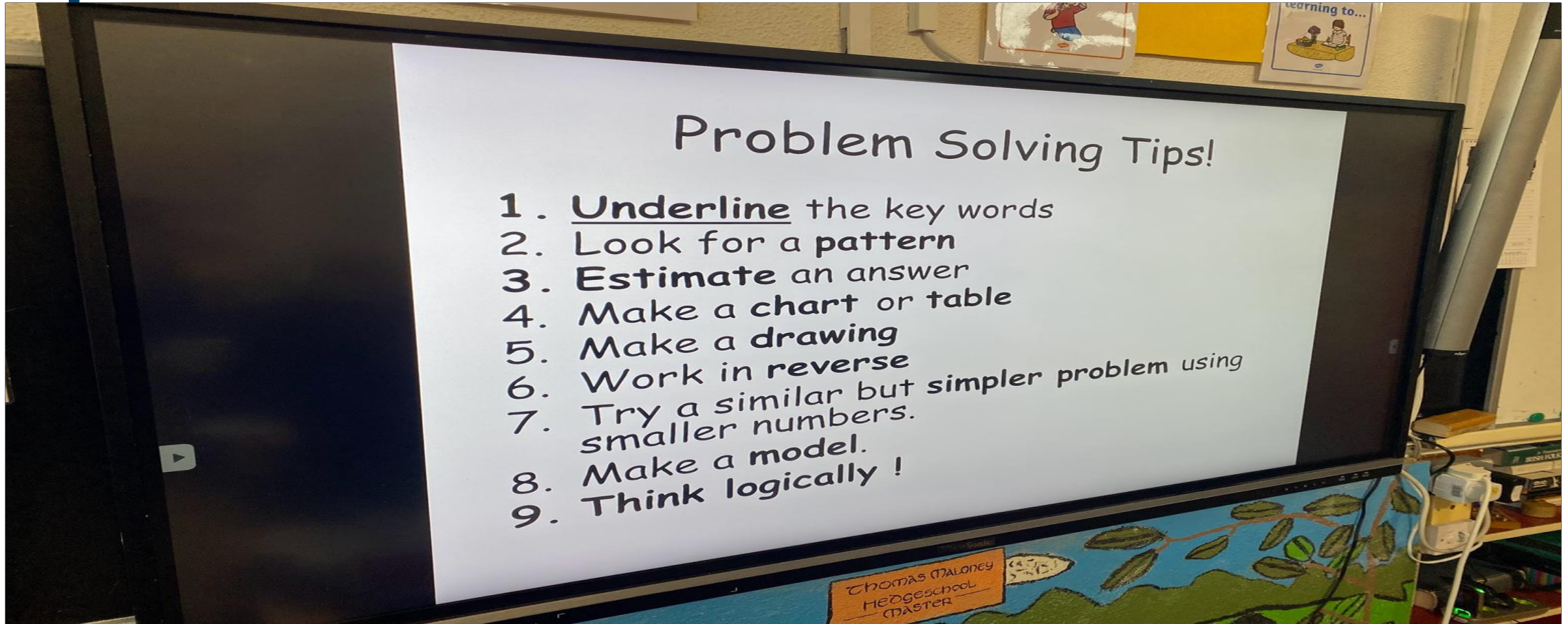
5th and 6th Class have begun to explore our new Izak 9 cubes resource which will help to develop conceptual understanding of a variety of different Maths topics through the use of associated collaborative challenges.



- W.I.L.F
That you are... (Thumbs)
- **N.B** Applying the problem solving strategy *RU CSAC*.
 - Referring to the **problem solving tips** (if needed)
 - **Working in pairs**-two heads are better than one!
 - **Co-operating with your partner** i.e exchanging & sharing ideas, sharing the workload etc.
 - **Demonstrating and recording** how you got the solution to the problem i.e not just saying "I just knew what it was".
 - **Communicating** with the class regarding how you solved the problems.
 - Making an effort to **use mathematical language/terminology**.
 - **Revoicing** the problem solving strategies/approaches of others.
 - **Scoring and self-assessing yourselves** & **monitoring** your progress using the scoring system.

We have put an increased emphasis on Problem Solving in Maths this year. Pupils work collaboratively to solve problems across all strands and strand units of the curriculum. We share the 'Success Criteria' at the start of problem solving lessons.





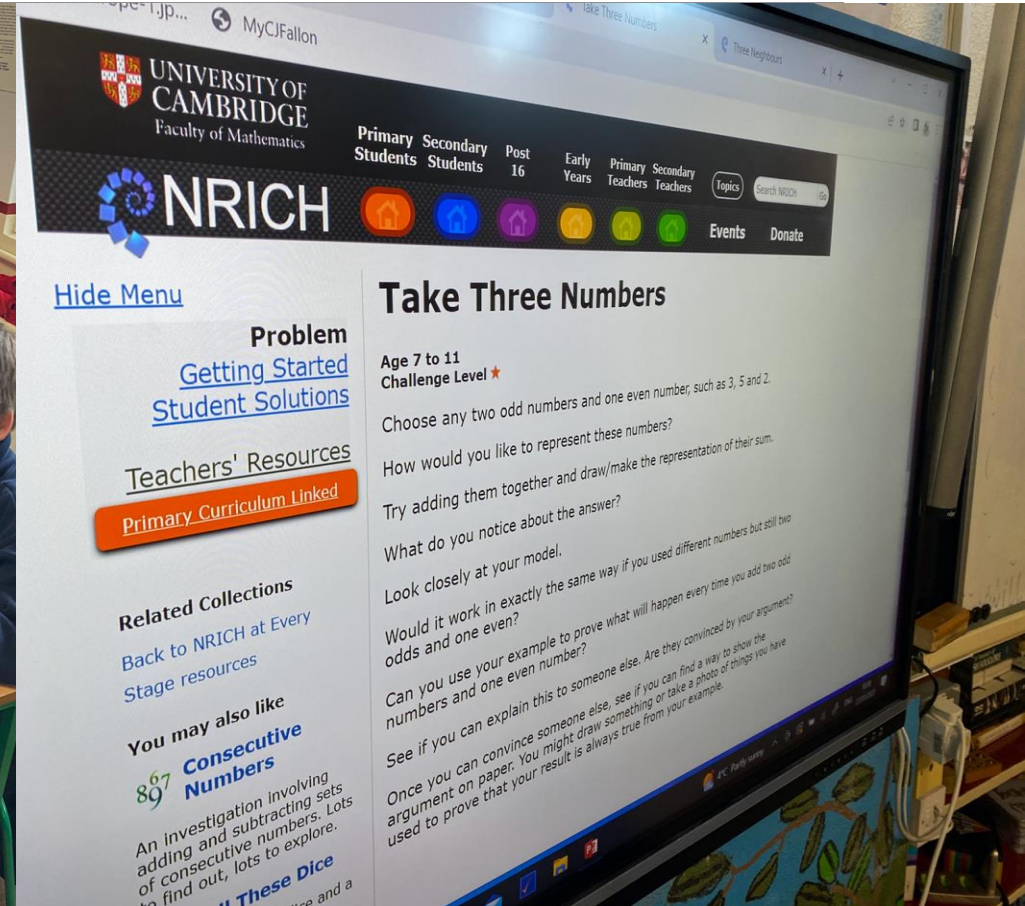
'Problem Solving Tips' are shared with the pupils at the start of lessons.



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Problem Solving



Collaborative Problem Solving in the Senior Rooms. The NRich website from the the University of Cambridge has an excellent range of problems on it.

