



The Crescent Primary School Curriculum

Subject: Maths – 2021 - 2022

Intent: What are we trying to achieve with our (subject) curriculum?

- At The Crescent Primary School, we believe that maths teaches us how to make sense of the world around us through developing a child's ability to calculate, to reason and to solve problems. In years 1 to 6 we use and adapt 'White Rose' maths scheme. This is linked in with the Ready to Progress criteria. We use the White Rose content along with a range of additional resources and materials to teach maths across the school, and there is particular focus on children learning times tables and number bonds, acquiring the correct mathematical vocabulary and using maths to solve problems in a variety of contexts. Pupils are given the opportunity to explain, reflect on and extend their learning during each lesson.
- It is the schools' intent that that all year 4 pupils know all of their times table facts by the end of year 4 and that the current year 5 and 6 also know these facts. The facts need to be recalled under 6 seconds. Times Tables Rockstars (TTRS) are set up from Years 2 to 6 as part of their homework.
- We want disadvantaged children to have no gap with non-disadvantaged children- the focus area will be fun and engaging for them.
- Parents will be involved as stakeholders and will be well informed of their child's homework, as well as supporting multiplication strategies at home.
- We believe in helping children to remember previously taught skills through giving opportunities for children to prove their skills through the use of 3Ls (Last Lesson, Last Week, Last Term)

Implementation: How do we deliver our (subject) curriculum?

- Maths is taught as a discrete subject 4 times a week for 1 hour. Times tables are also taught discretely once a week from Year 2 to 6.
- **Progression**
- Progression Charts have been created and shared with staff. These are to be used as a teaching tool and for interventions for children with barriers to learning.
- The charts are used for all staff to see what the children need to achieve by the end of the year and skills required.
- Flexible groupings are used to teach children. Cold questions are used two weeks before a unit is taught to inform these groupings and support in put in place for those children needing it. Hot questions are used to assess whether children have achieved the learning intentions two weeks after the unit has been taught.
- **Fluency**
- Multi-representations are used to solve calculations. These have been shared with staff following book monitoring.
- Times tables/number bonds are used to record multi-representations. Children are tested on a weekly basis from Years 2 to 6.
- Times tables rock stars is used as part of homework. Certificates are used to celebrate children's achievements.
- Teachers to promote TTRS with in class and use the data from tests and heat maps on TTRS to group children accordingly.
- Staff have been trained with multiplication techniques and using the multiplication books. They have received CPD on to use data from TTRS. Data is shared with teachers from the children's half-termly times tables tests and targets are set which link in with TTRS.

- My Maths is used to consolidate class learning at home. My Maths is used from Years 1 (implemented from summer term) to Year 6 on a weekly basis. Teachers set the correct domain taught in class onto My Maths for children to consolidate learning.
- **Reasoning and Problem Solving**
- 'I See Reasoning' is used to teach/encourage children's reasoning skills.
- Reasoning/Problem solving are taught alongside fluency so children are reasoning/problem solving every lesson.
- Reasoning problems are used from the Ready to Progress documents to assess children's learning. Sentence stems are used to help children formulate their answers.
- **Enrichment Activities**
- World Maths day takes place every year. The children work in houses teams solving mathematical problems throughout the day.
- Times Tables Rock Stars Day took place to launch and highlight times tables rock stars website challenge. This includes 'battles' between year groups.
- 3Ls (Last Lesson, Last Week, Last Term) is used once a week from Years 2 to 6 to ensure children are remembering and retaining previously taught learning.
- **CPD**
- Staff CPD - on memory retention. Introduced 3Ls and incorporated this across all subjects.
- Staff Meeting - training on use of data from TTRS to inform next steps for children. Ideas for teaching times tables were also shared.
- Staff Meeting: -
Memory Retention - 23.09.21
Times Tables CPD - 07.10.21
Task Design and variation - Spring Term
- Planning support for Years 3 and 5.
- HIAS planning support for Year 1.
- Mastery Hub learning Walk - 6.10.21

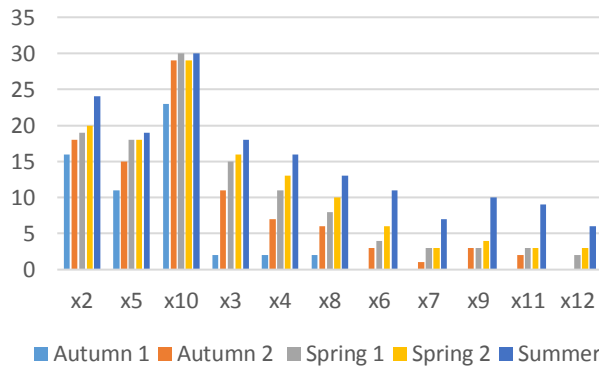
Impact: What difference is our (subject) curriculum making to pupils?

- Half termly times tables tests have shown improvement across all year groups. This has been shared with HIAS and governors: -

Jupiter Class - Year 2

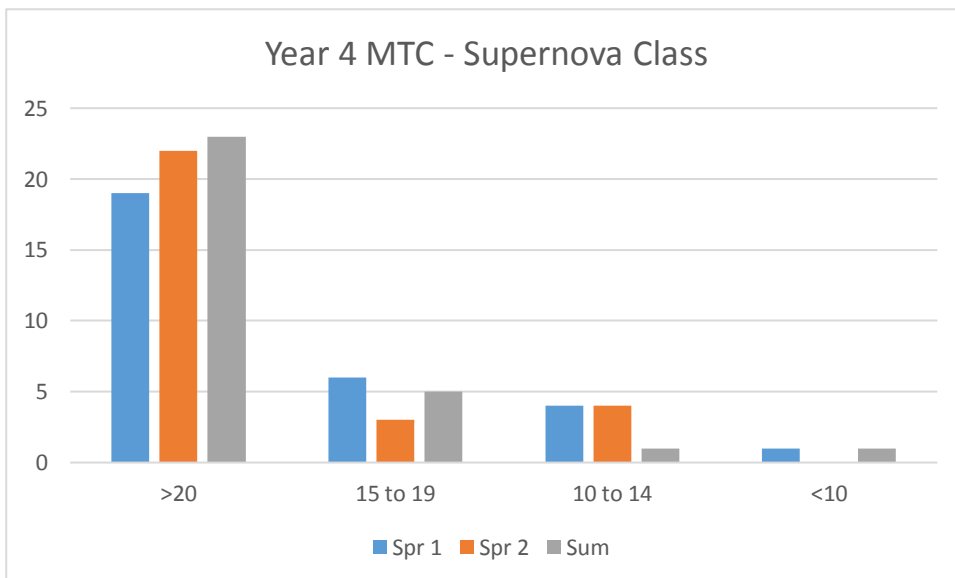


Year 3 - Asteroid class



- 77% of the Year 4 co-hort achieved an MTC mark of 20 or above. 16% achieved a score between 15 and 20 and 8% scored below 15: -

Year 4 MTC - Supernova Class

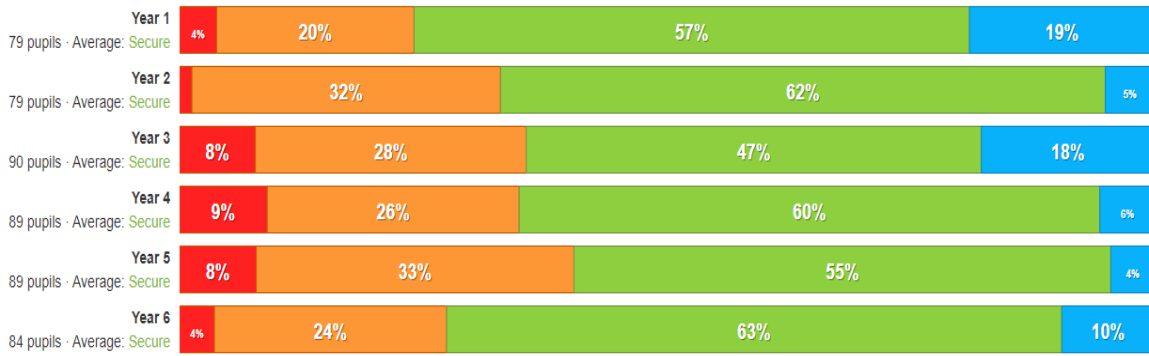


- Termly data drops have shown increasing percentages of children achieving EXS across most year groups. This has been shared with HIAS: -

Autumn: -

Maths

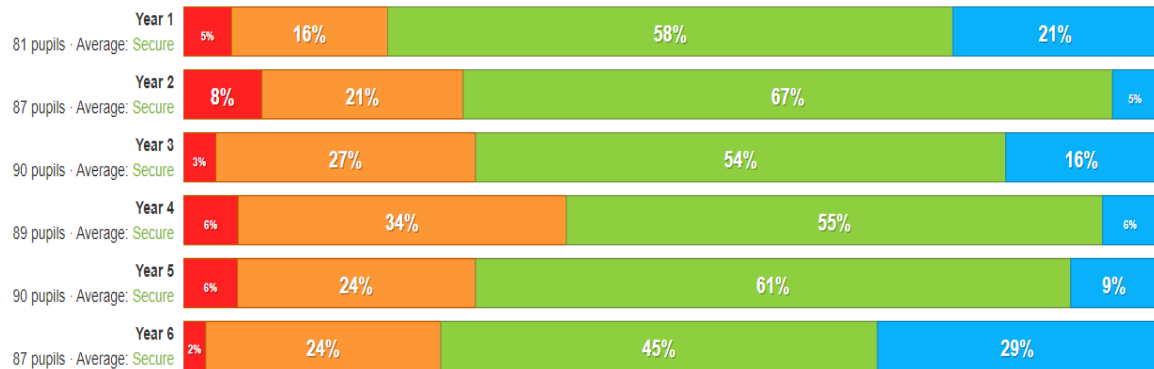
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Spring: -

Maths

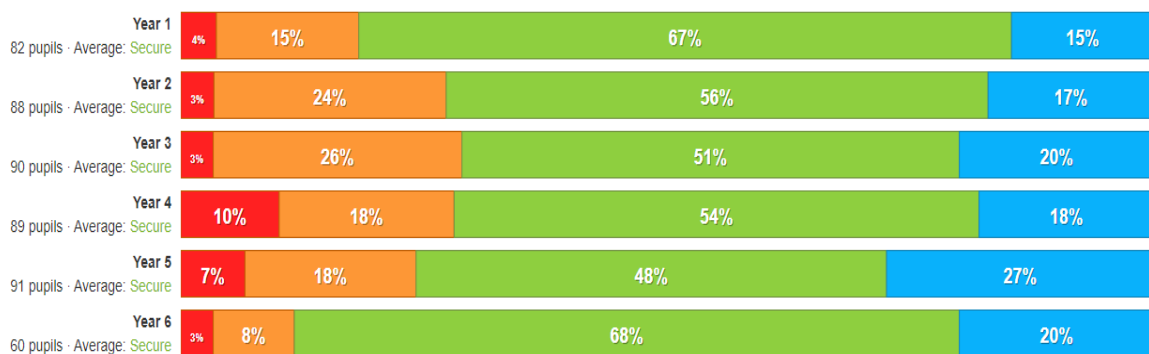
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Summer: -

Maths

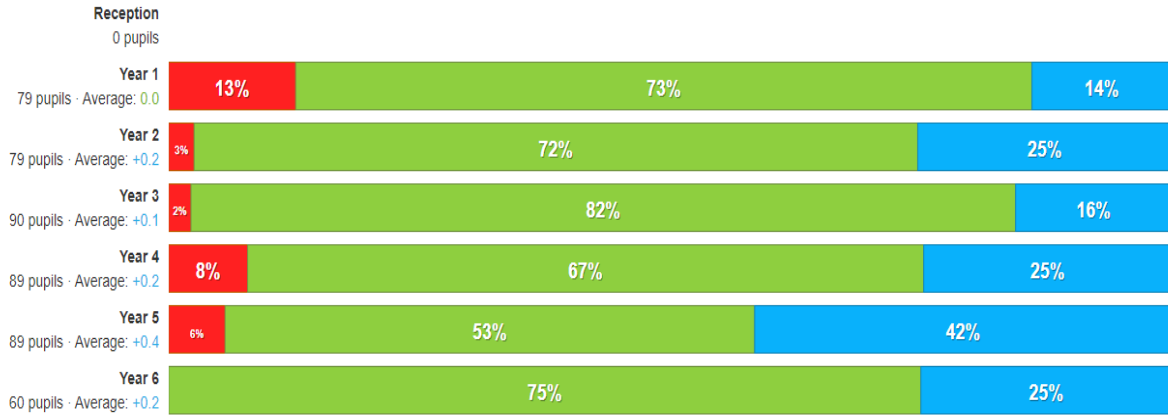
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- Progress from Autumn 2 to Summer 2 has shown a positive increase across all year groups: -

Maths

Legend ■ Below Expected ■ Expected Progress (0) ■ Above Expected



- **KS2 Maths SATs results: -**



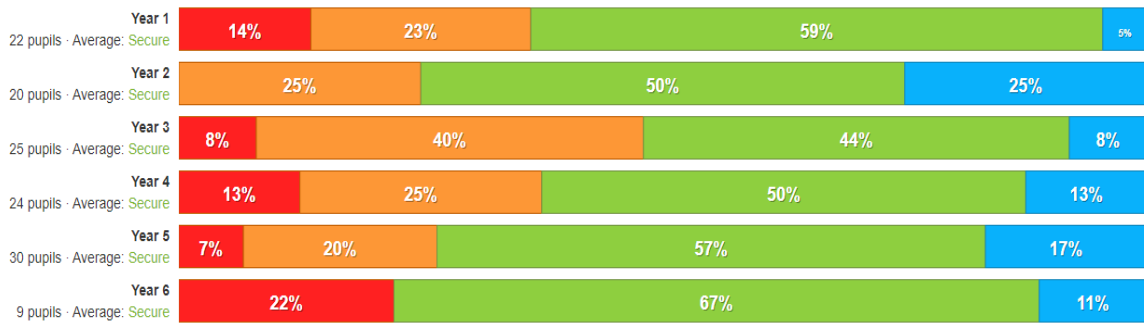
- **Pupil Premium data shows that our disadvantaged children make good progress: -**

Attainment Overview for Pupils who are pupil premium - 2021-2022 Summer 2 - Main Assessment

Print

Maths

Legend ■ Well below ■ Just below ■ Expected ■ Above ■ No data



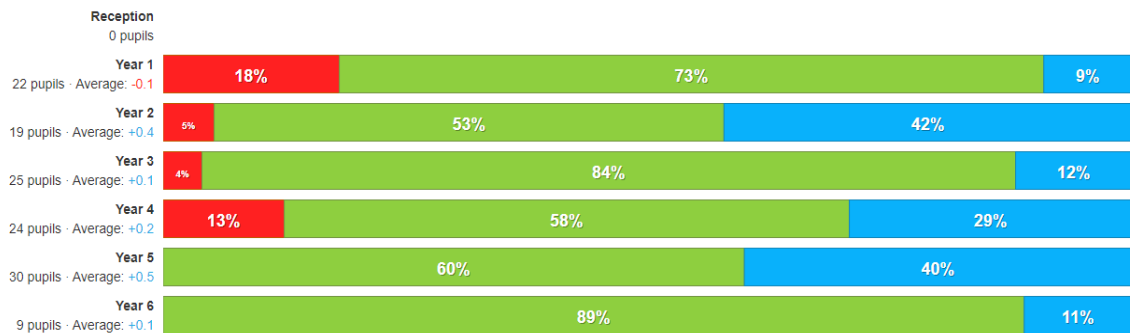
Progress from autumn 2 to summer 2 has shown a positive increase for most of our Pupil Premium children: -

Progress Overview for Pupils who are pupil premium - 2021-2022 Autumn 2 to 2021-2022 Summer 2 Main Assessment

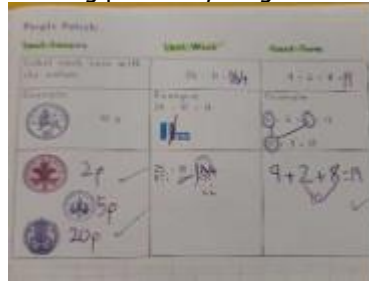
Print

Maths

Legend ■ Below Expected ■ Expected Progress (0) ■ Above Expected



- 3Ls has shown children are retaining previously taught skills: -



Evidence: How do we know?

- Termly book looks have taken place. Targets have been shared with Year Leaders. Separate Pupil Premium book looks have also taken place alongside our non-Pupil Premium children.
- Termly learning walks have taken place. Feedback with targets have been shared with teachers.
- Book looks and learning walks have shown improved use of questions and learning journeys - as seen by HIAS and Mastery Hub.
- Half termly times tables tests have been used to check progress from Years 2 to 6.
- Times Tables books have been scrutinised.
- 3Ls have shown children retaining previously taught knowledge in book looks across the year from Years 2 to 6.