

KS3 MATHS: CURRICULUM OVERVIEW



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What will my child be studying and how can I support them in their learning?

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WHAT WILL MY CHILD STUDY?

Unit	Year 7	Year 8
1	Number Operations & Place Value	Intro to Algebra & Arithmetic
2	Negative Number & Types of Number	Fractions Arithmetic & Proportional Reasoning
3	Fractions & Decimals	Fractions, Decimals & Percentages
4	Properties of Shape & Measures	Perimeter, Area & Angles
5	Fractions Arithmetic & Applied Arithmetic	Algebraic Expressions & Equations
6	Ratio	Function Machines & Linear Graphs

SECONDARY READY

Students who are in need of extra support following KS2

- Smaller class size
- Adjusted curriculum through KS3 to catch up on KS2
- Promote positivity & engagement in maths
- Students may move back into Core curriculum if good progress has been made



A MASTERY APPROACH TO MATHS

Is Mastery....

- Being able to do something quickly?
- Being able to do something automatically without thinking
- Being really good at something?



A MASTERY APPROACH TO MATHS

At Latimer we think it's about

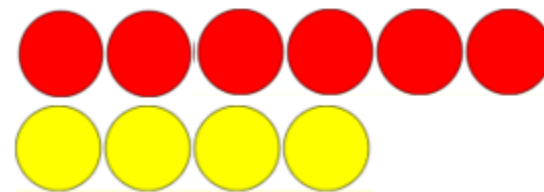
- All pupils can succeed
- Deep and lasting learning
- Connected understanding of mathematical ideas
- The ability to reason & problem solve
- Being fluent and efficient in mathematical skills

A MASTERY APPROACH TO MATHS

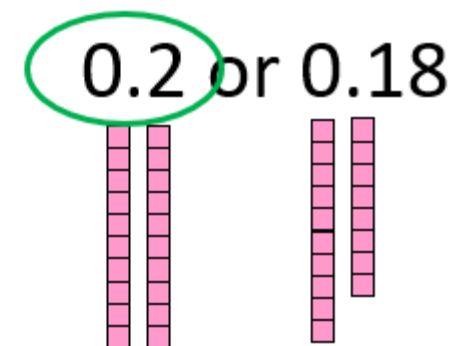
To achieve this we

- Teach fewer topics in greater depth
- Prioritise number sense and place value
- Use visual strategies to build understanding
- Encourage students to make mistakes & learn from them
- Include problem solving at all levels
- Challenge students at all abilities through greater depth rather than accelerating into higher skills

Show $-6 + 4 = -2$



Which is bigger? Why?



THE ANSWER IS ONLY THE BEGINNING

Which shows more understanding?

1. Work out $150 \div 12$
2. Sam is trying to divide by 12 without a calculator. She says she will divide by 10 and then by 2 because 10 and 2 make 12. Will her method work and why?



HOW IS MY CHILD ASSESSED?

Pre & Post Testing

- Pretest at the beginning of term so teachers know what students already understand
- Posttest at the end on the same topics so we can measure how much progress each student has made

Retention of Knowledge

- ROK test each term covering previous terms so students retain their understanding

WHAT SORT OF HOMEWORK WILL MY CHILD RECEIVE?

- We use a variety of homework tasks including:
- Mymaths
- PiXL Timestables
- Written tasks
- Revision homework





HOW CAN I SUPPORT MY CHILD?

- Talk to your child about what they have learnt in maths. **Can they explain** their work in their orange books?
- **Praise effort** and progress at the end of each unit (tracking sheet at the front of their books)
- Encourage **regular practise** of previous terms work – retention of knowledge is essential & mymaths is a great resource for this
- Discuss **maths in everyday life** –e.g. money, recipes, time, temperature

ANY QUESTIONS?



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