

Our school community is one with high expectations.
We are collaborative and inclusive of all.
We deliver a 21st century guaranteed and viable curriculum that results in outstanding student achievement.

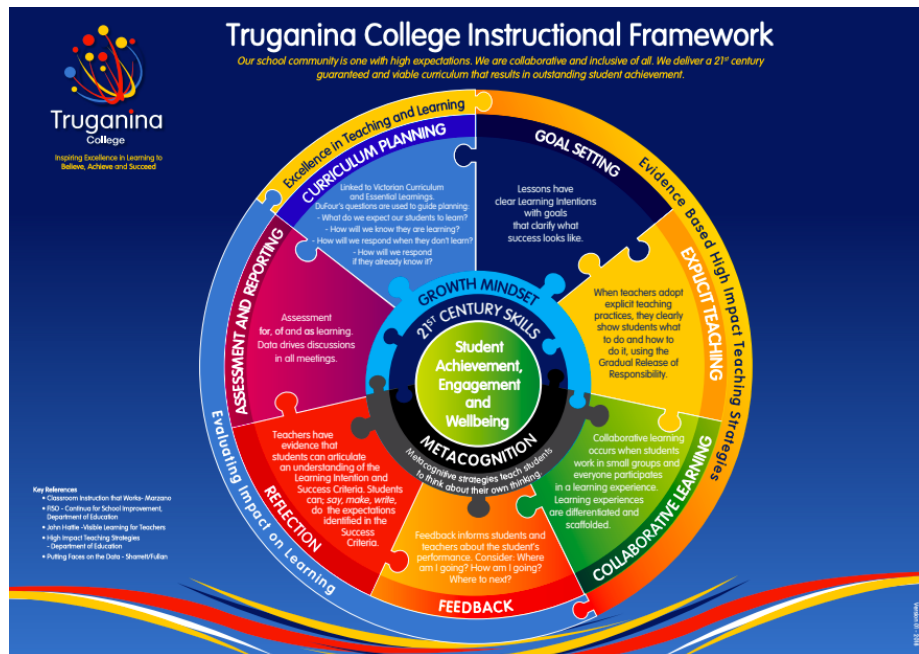
The Maths Curriculum links directly to:

High Impact Teaching Strategies (HITS)

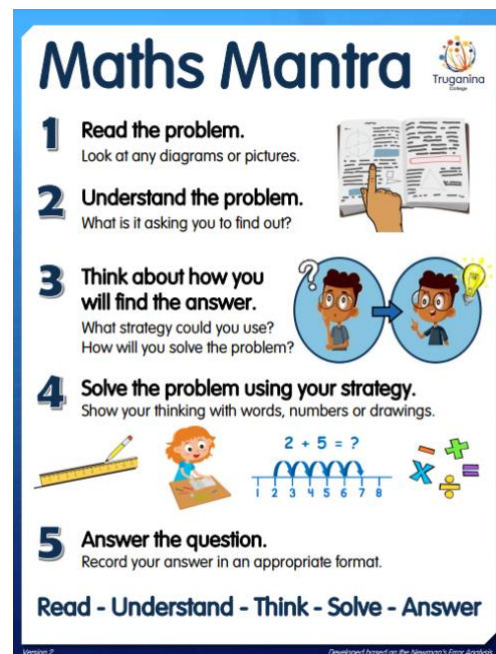


The planning, teaching and learning of the Maths Curriculum links directly to the College's Strategic Plan goals:
Goal 1: To grow each student's learning outcomes across all curriculum areas, with a focus on Literacy and Numeracy

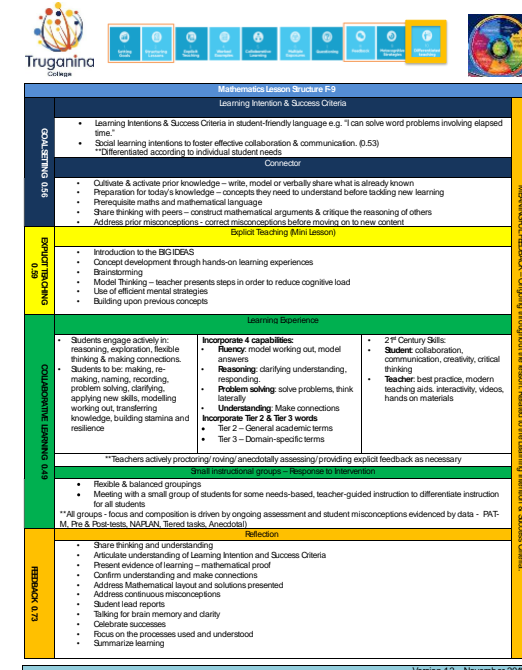
Instructional Framework



Maths Mantras



Maths Lesson Structure



- 21st century learning**
- Ways of Thinking: Creativity & Innovation, Critical Thinking, Problem Solving & Decision Making, Learning to Learn
 - Ways of Working: Communication & Collaboration
 - Ways of Living in the World: Local & Global Citizenship, Personal & Social Responsibility, Life & Career
 - Tools for Working: Information Literacy, Information & Communication Technology (ICT) Literacy

Curriculum Planning - Refer to DuFour's questions
What do we need our students to learn?
How will we know they are learning?
What will we do if they have already learned it?
What will we do if they have not learned?

Assessment & Reporting - Data drives discussion in all meetings

- **NAPLAN minimum standards**
For outlines of the competencies expected of Year 3, 5, 7 and 9 students in Numeracy: <https://www.nap.edu.au/naplan/numeracy/minimum-standards>
- **Maths Proficiency Strands**
For details of the four strands in the Mathematics Curriculum: <http://victoriancurriculum.vcaa.vic.edu.au/mathematics/introduction/learnin-g-in-mathematics>

- **The Compass Learning Tasks will be the Common Unit Task for the first unit from Years 5 to 9.**
- Mental Strategies A – S will be based on the [Truganina College Efficient Mental Strategies](#)
- Big Ideas In Number [outline of concepts](#)
- **Week 8 is post assessment week. All assessments to be completed by Friday of Week 8.**
- Scaffolding Numeracy in the Middle Years (SNMY) Assessment will be completed in Week 4
- Misconceptions are based on pre and post - tests as questions from these tests have been taken from previous NAPLAN and PAT Assessments.

Week	The Proficiency Strands	1	2	3	4	5	6	7	8	9	10	11	12
	Understanding Fluency	Refer to the Maths Essential Learnings when planning the Maths Curriculum.											
	Problem-Solving Reasoning	Differentiated Curriculum Planning to include Small Group Instruction to address misconceptions from Pre-test data.											
Year 5	are an integral part of the Maths curriculum	Statistics & Probability Chance (VCMSP203) (VCMSP204)	Number & Algebra Big ideas in Number: Multiplicative thinking Multiplication & Division (VCMNA183) (VCMNA184) Mental Strategies L, H	Number & Algebra Big ideas in Number: Partitioning Fractions & Decimals Beyond Hundredths (VCMNA189) (VCMNA190)			Number & Algebra Money and Financial Maths (VCMNA191)			Number & Algebra Order of Operations (VCMNA193) (VCMNA220)		Measurement & Geometry Capacity, Volume and Mass (VCMMG195)	
Year 6	across the three content strands: Number & Algebra, Measurement & Geometry and Statistics & Probability	Number & Algebra CONSOLIDATE Fractions & Decimals Multiplying Decimals (VCMNA215) (VCMNA216)		Number & Algebra Big ideas in Number: Partitioning Fractions Review addition & subtraction related denominators include (VCMNA219) Addition Mixed Numbers (VCMNA212) Mental Strategies Q		Number & Algebra Big ideas in Number: Partitioning Fractions of a Quantity Connections between fractions, decimals & percentages (VCMNA213) (VCMNA217)		Financial Maths Percentage Discounts (VCMNA218) Mental Strategies S,		Statistics & Probability Chance (VCMSP234)	Number & Algebra Sequences Difference Strategy (VCMNA219)	Measurement & Geometry Capacity & Mass (VCMMG222) (VCMMG223)	
Year 7	The four processes will continue to be embedded across each term	Big ideas in Number: Partitioning Mental strategies K,O	Number & Algebra Best Buys (VCMNA250)		Statistics & Probability Mean, Median, Mode, Stem & Leaf Plots (VCMSP269) (VCMSP270) (VCMSP271)			Number & Algebra Big ideas in Number: Proportional Reasoning Rates and Ratios (VCMNA249)		Multiplicative Thinking Learning and Assessment Framework Zones (LAF) End-of-year review, including feedback, mental strategies, personal learning goal and problem-solving activities.			
Year 8		Measurement & Geometry Big ideas in Number: Multiplicative Thinking Area & Volume to include circles & irrational numbers (VCMNA275) (VCMMG286) (VCMMG287) (VCMMG288) (VCMMG289)				Measurement & Geometry Congruence (VCMMG291) (VCMMG292) (VCMMG293)				Multiplicative Thinking Learning and Assessment Framework Zones (LAF) End-of -year review, including feedback, mental strategies, personal learning goal and problem-solving activities.			
Year 9		Number & Algebra Money and Financial Maths (VCMNA304)		Statistics & Probability Chance (VCMSP321) (VCMSP322) (VCMSP323)			Number & Algebra Big ideas in Number: Proportional Reasoning Rates and Proportion (VCMNA301)		Multiplicative Thinking Learning and Assessment Framework Zones (LAF) End-of-year review, including feedback, mental strategies, personal learning goal and problem-solving activities.				

Last Updated: 24 August 2023