

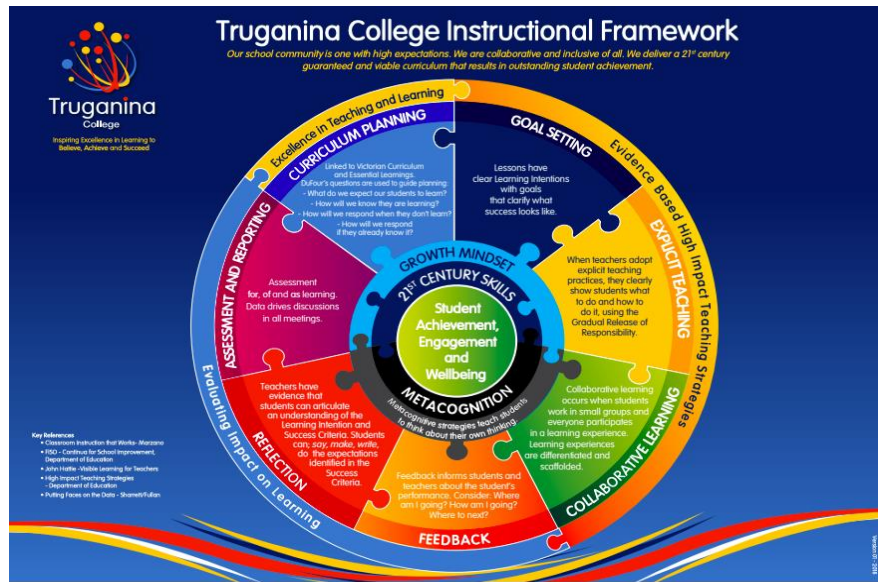
Our school community is one with high expectations.
We are collaborative and inclusive of all.
We deliver a 21st century guaranteed and viable curriculum that results in outstanding student achievement.

The Maths Curriculum links directly to the High Impact Teaching Strategies (HITS)



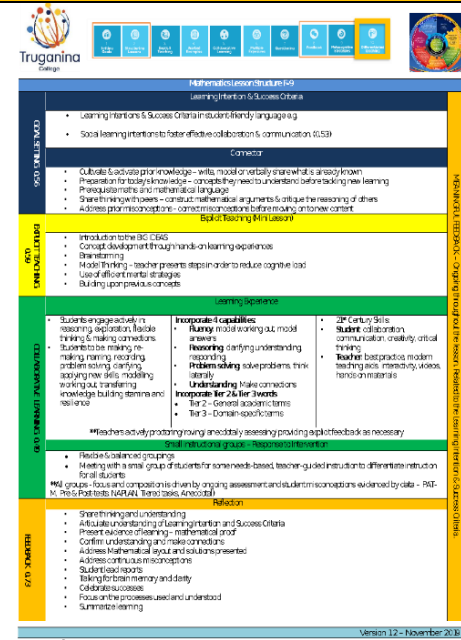
- The planning, teaching and learning of the Maths Curriculum links directly to the College's Strategic Plan goals:
- Goal 1: To grow each student's learning outcomes across all curriculum areas, with a focus on Literacy and Numeracy.
 - Goal 2: To strengthen a positive culture for learning that empowers both students and staff.
 - Goal 3: To increase community connectedness in supporting outstanding student achievement.

Instructional Framework



Maths Mantra

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

Maths Proficiency Strands
For details of the four strands in the Mathematics Curriculum:
<http://victoriancurriculum.vcaa.vic.edu.au/mathematics/introduction/learning-in-mathematics>

- The Compass Learning Tasks will be the Common Assessment Task for the first unit.
- 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.**
- Misconceptions are based on pre and post - tests as questions from these tests have been taken from previous NAPLAN and PAT Assessments.

Week		1	2	3	4	5	6	7	8	9	10
	The Proficiency Strands	Refer to the Unit & Skills document when planning the Maths Curriculum									
	Understanding	Differentiated Curriculum Planning to include Small Group Instruction to address misconceptions from Pre-test data.									
Year 5	Fluency Problem Solving Reasoning are an integral part of the Maths curriculum across the three content strands: Number & Algebra, Measurement & Geometry and Statistics & Probability	Measurement & Geometry Perimeter and Area (VCMMG196) Mental Strategy I Big Ideas in Number: Multiplicative thinking	Measurement & Geometry Volume and Capacity (VCMMG196)	Measurement & Geometry Location: describing routes and locations using grid reference systems and directional language (VCMMG199)	Measurement & Geometry Symmetry and Transformations (VCMMG200) (VCMMG201)	Number & Algebra Big Ideas in Number: Multiplicative thinking Factors, multiples and divisibility rules (VCMNA181) Mental Strategy J		Number & Algebra Rounding and Estimating (VCMNA182) Mental Strategy N	Statistics & Probability Pose questions, collect data, construct displays and describe and interpret data (VCMSP205) (VCMSP206) (VCMSP207)		
Year 6		Measurement & Geometry Big Ideas in Number: Multiplicative thinking Area Mental Strategies H.L.N Include conversion of units (VCMMG224) Lead to Volume (VCMMG225)		Measurement & Geometry Location and Transformations Cartesian Plane (VCMMG229) (VCMMG230)		Number & Algebra Order of Operations (VCMNA220)			Statistics & Probability Pose Questions, Construct Displays, Describe & Interpret Data (VCMSP235) (VCMSP236) (VCMSP237)		
Year 7		Number & Algebra Big Ideas in Number: Partitioning Fractions, Percentages and Decimals (VCMNA244) (VCMNA245) (VCMNA246) (VCMNA247) (VCMNA248)			Measurement & Geometry Big Ideas in Number: Multiplicative thinking Triangles, Quadrilaterals, Prisms, Area, Volume and Unit Conversion (VCMMG258) (VCMMG259) (VCMMG260)					Number & Algebra Big Ideas in Number: Multiplicative thinking Pattern Generators Extending Patterns	
Year 8	The four processes will continue to be embedded across each term.	Number & Algebra Big Ideas in Number: Multiplicative thinking, Generalising Consolidating: Pattern Generators Extending Patterns			Statistics & Probability Data Collection (VCMSP297) (VCMSP298) (VCMSP299) (VCMSP300)				Number & Algebra Big Ideas in Number: Multiplicative thinking Real Numbers Rates and Ratios (VCMNA277)		
Year 9		Measurement & Geometry Big Ideas in Number: Multiplicative thinking Measurement – Including Units of Measurement, Area, Total Surface Area and Volume of Prisms (VCMMG312) (VCMMG313) (VCMMG314)			Number & Algebra Linear and Non-Linear Relationships (VCMNA308) (VCMNA309) (VCMNA310) (VCMNA311)					Measurement & Geometry Geometric Reasoning (VCMMG316) (VCMMG317)	