

STEM TUITION AND COACHING 2023

TERM 1 - TIME TABLE (PREP - YEAR 6)



	Week	Mathematics	Science	Digital Tech
30/01-05/02	Week 1	Goal Setting - All Students	Goal Setting - All Students	Online Safety Discussion
		Focus: Numbers and Algebra	Focus: Earth and Our Solar System	Hardware and Software systems
06/02 - 12/02	Week 2			Game development
		Focus: Numbers and Algebra	Focus: Earth's atmosphere and the Water Cycle	Grok/Makecode Arcade/Python Lessons
13/02 - 19/02	Week 3		Design Challenge	
		Focus: Measurement and Geometry	Focus: Simple Machines 1	Grok/Makecode Arcade/Python Lessons
27/02 - 05/03	Week 4		Design Challenge	
		Focus: Measurement and Geometry	Focus: Simple Machines 2	Robotics & Coding : VEX Robotics, Lego, BBC Microbits
6/03 - 12/03	Week 5			
		Focus: Statistics and Probability	Focus: Food chains and Food Webs	Robotics & Coding : VEX Robotics, Lego, BBC Microbits
13/03 - 19/03	Week 6	Practice Math test		
		Focus: Statistics and Probability	Focus: Chemical Reactions and importance of Oxygen	Robotics & Coding : VEX Robotics, Lego, BBC Microbits
20/03 - 26/03	Week 7	Math Test		
		Individual Math test/NAPLAN practice (if required)	Focus: Acids and Bases	Principles of Cybersecurity (Digital footprint, passwords, scams, cryptography)
27/03 - 02/04	Week 8		Design Challenge	Challenge
		Project/Activity of choice	Focus: Engineering Design Challenge	Year 5-8 students : Cybersecurity Challenge completion (45 mins)

EDUCATION PLATFORMS

- Australian Curriculum Aligned Tuition program
- Digital Technologies Hardware: VEX Robotics (123,GO, IQ), Lego Mindstorms, BBC Microbits, Arduino
- Digital Technologies Software: Scratch, Blockly, Python, JavaScript, HTML
- Mathematics: Free placement assessment and multi-sensory lessons for students who are falling behind, need motivation or need extending
- Science: The lesson follows the curriculum with more emphasis on hands-on learning through various experiments