



# Maths Pros6



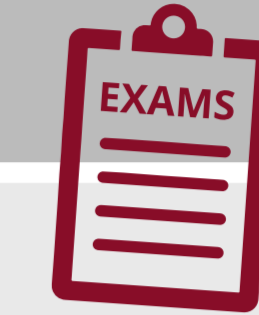
## Mastery in Year 13

- Students develop a deep and comprehensive understanding of advanced mathematical concepts. It involves development of year 12 skills leading to proficient problem-solving abilities and advanced reasoning skills to analyse and interrelate mathematical concepts effectively.
- Students exhibit adept application of mathematical principles to real-world scenarios, utilising sophisticated tools with fluency.



## Mastery in Year 12

- Students have a solid grasp of core mathematical concepts, including the ability to solve problems accurately across various topics, employ logical reasoning to analyse and connect mathematical ideas, and effectively communicate solutions both in writing and verbally.
- Mastery also involves applying mathematical principles to practical situations, using tools like calculators and graphing software proficiently, and demonstrating fluency in calculations and data interpretation.



**T1 PROJECTILES**  
**T2 REGRESSION, CORRELATION AND HYPOTHESIS TESTING**

**T1 APPLICATION OF FORCES**  
**T2 CONDITIONAL PROBABILITY**

**T1 FURTHER KINEMATICS**  
**T2 NORMAL DISTRIBUTION**

**REVISION AND COMMENCEMENT OF EXTERNAL EXAMS**

**TRANSITION**

**T1 FORCES AND FRICTION**  
**T2 INTEGRATION**

**T1 MOMENTS**  
**T2 NUMERICAL METHODS**

**T1 VECTORS**  
**T2 DIFFERENTIATION**

**T1 PARAMETRIC EQUATIONS**  
**T2 BINOMIAL EXPANSION**

**T1 TRIGONOMETRY**  
**T2 SEQUENCES AND SERIES**

**T1 ALGEBRAIC METHODS**  
**T2 FUNCTIONS AND GRAPHS**

**T1 TRIGONOMETRY**  
**T2 SEQUENCES AND SERIES**

**YEAR 13**

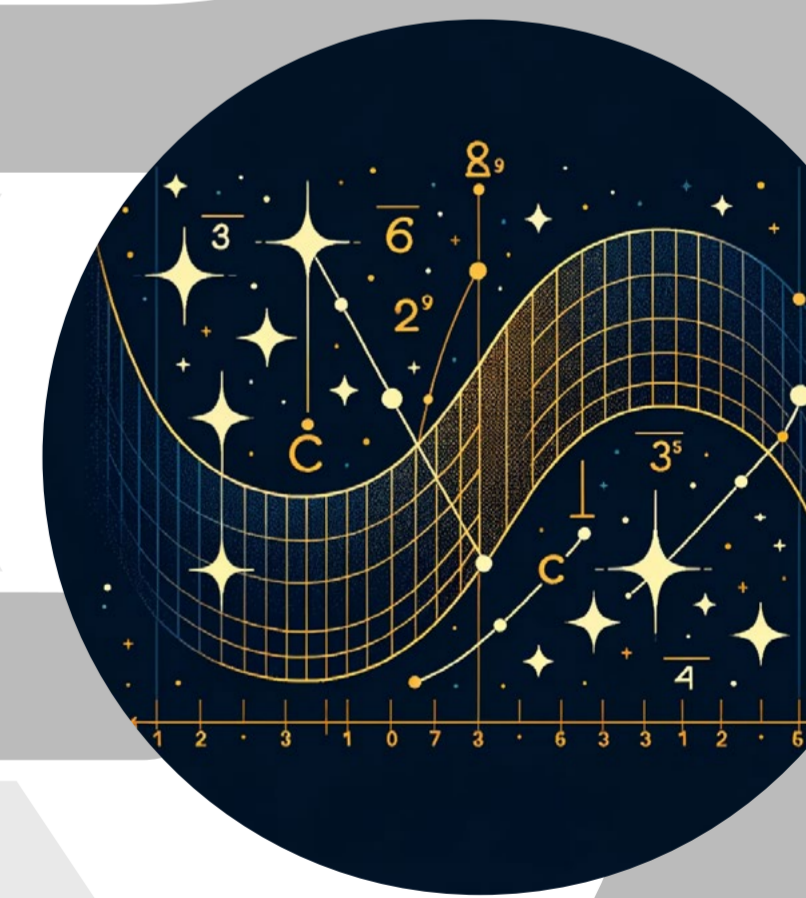
**T1 PROOF BY CONTRADICTION**  
**T2 FUNCTIONS AND GRAPHS**

**T1 FORCES AND MOTION**  
**T2 HYPOTHESIS TESTING**

**T1 EQUATIONS OF MOTION**  
**T2 PROBABILITY AND STATISTICAL DISTRIBUTIONS**

**T1 MODELLING IN MECHANICS**  
**T2 STATISTICAL REPRESENTATION AND INTERPRETATION**

**T1 TRIGONOMETRY**  
**T2 DATA COLLECTION**



**YEAR 12**

**T1 ALGEBRA AND FUNCTIONS**  
**T2 FURTHER ALGEBRA**

**T1 VECTORS IN 2D**  
**T2 DIFFERENTIATION**

**T1 CO-ORDINATE GEOMETRY**  
**T2 INTEGRATION**

