INTERVENTION PROGRAM

At Officer Secondary College, we are committed to providing all students with a first class education which delivers a diverse program and caters for all needs and interests. The College believes that learning is maximised when the learning environment is enriched with high expectations, personalisation, challenge, inclusion and support.

At Years 7 and 8, student learning is supported by both intensive Literacy and Numeracy programs. Often students enter secondary education with deficits in particular mathematical or literacy skills that can prevent them from accessing the 'at standard' curriculum. With this at the forefront of our thinking, the College has devoted scheduled weekly intervention time dedicated to the development of all students' skills in these areas through the use of the Hawker Brownlow Cars and Stars (Literacy) and Cams and Stams (Numeracy) programs.

CARS and STARS

The **CARS AND STARS** program is a comprehensive program consisting of 10 levels which focus on 12 reading and comprehension strategies to improve literacy results. Students complete a placement test at the beginning of Year 7 to identify their individual level of competency and be placed in the correct level. Teachers assist students with the completion of the key strategies throughout the year.

Core Reading Strategies

Book P Pre-Reading

- Finding the Big Idea
- Finding Details
- Putting Things in Order
- Understanding What Happens and Why
- Making a Guess
- Figuring Things Out

Book AA Pre-Reading

- Finding the Main Idea
- Finding Details
- Putting Ideas in Order
- Understanding What Happens and Why
- Making a Guess
- Figuring Things Out

Book A

- Finding Main Idea
- Recalling Facts and Details
- Understanding Sequence
- Recognising Cause and Effect
- Making Predictions
- Finding Word Meaning in Context
- Drawing Conclusions and Making Inferences
- Reading Pictures

Books B–C

- Finding Main Idea
- Recalling Facts and Details
- Understanding Sequence
- Recognising Cause and Effect
- Comparing and Contrasting
- Making Predictions
- Finding Word Meaning in Context
- Drawing Conclusions and Making Inferences
- Distinguishing Between Fact and Opinion
- Identifying Author's Purpose
- Interpreting Figurative Language
- Distinguishing Between Real and Make-believe

Books D–H

- Finding Main Idea
- Recalling Facts and Details
- Understanding Sequence
- Recognising Cause and Effect
- Comparing and Contrasting
- Making Predictions
- Finding Word Meaning in Context
- Drawing Conclusions and Making Inferences
- Distinguishing Between Fact and Opinion
- Identifying Author's Purpose
- Interpreting Figurative Language
- Summarising

INTERVENTION PROGRAM

CAMS and STAMS

The **CAMS AND STAMS** program is an integrated program which focuses specifically on the fundamental maths skills students require. This program ensures that students gain a solid understanding of the key maths concepts which align with the delivery of core mathematics classes. Students complete a pre-test designed to diagnose problem areas in a students learning and provides a structured program to address these core skills. As students complete the program benchmark and post tests are completed to determine if goals have been achieved.

16 fundamental skills and concepts: Levels A–H

Level A (Years 1–2)
- Understand addition and subtraction
- Fact families
- Make tens to add and subtract
- Solve word problems
- Add three numbers
- Count to 100
- Place value
- Compare numbers
- Add and subtract ten
- Add 2-digit numbers
- Subtract tens
- Shapes
- Equal parts
- Length
- Time
- Data

Level B (Years 2–3)
- Counting patterns
- Place value
- Compare numbers
- Mental maths
- Addition strategies
- Subtraction strategies
- Solve word problems
- Add and subtract to 1000
- Arrays
- Equal parts of shapes
- Length
- Add and subtract length
- Time
- Money
- Data and dot plots
- Graphs

Level C (Years 3–4)
- Place value
- Add and subtract
- Multiplication concepts
- Fact strategies
- More fact strategies
- Division concepts
- Fact families
- Fraction concepts
- Model equivalent fractions
- Benchmark fractions
- Compare fractions
- Fractions greater than 1
- Plane figures
- Length
- Perimeter
- Picture graphs and column graphs

Level D (Years 4–5)
- Multiplication properties
- Multiply mentally
- Multiply by 1-digit numbers
- Multiply by 2-digit numbers
- Relate division to multiplication
- Divide without regrouping
- Divide with regrouping
- Equivalent fractions
- Simplify fractions
- Decimal place value
- Compare and order decimals
- Relate decimals to fractions
- Angles
- Understand area
- Area of rectangles
- Dot plots

Level E (Years 5–6)
- Multiply 3-digit numbers
- Divide mentally
- Estimate quotients
- 1-digit divisors
- Zeros in the quotient
- 2-digit divisors
- Understand mixed numbers
- Add and subtract like fractions
- Compare related and unlike fractions
- Add and subtract related fractions
- Add and subtract mixed numbers
- Add and subtract decimals
- Area
- Surface area
- Understand volume
- Line graphs

Level F (Years 6–7)
- Multiply whole numbers by fractions
- Multiply fractions
- Divide whole numbers by fractions
- Divide fractions by fractions
- Multiply and divide by powers of ten
- Multiply decimals
- Divide decimals by whole numbers
- Divide by decimals
- Understand ratios
- Understand percentage
- Unit rates
- Ratios in tables of data
- Solve equations using number sense
- Solve equations using inverse operations
- Use formulas
- Volume

Level G (Years 7–8)
- Understand integers
- Add and subtract integers
- Multiply and divide integers
- Evaluate expressions
- Solve linear equations
- Equations with rational numbers
- Proportional relationships
- Solve proportions
- Rate problems
- Percentage as a ratio
- Percentage problems
- Similarity
- Circles
- Cylinders
- Pie charts
- Theoretical probability

Level H (Years 8–9)
- Exponents
- Square roots
- Solve two-step equations
- Two-step equations with rational numbers
- Linear and nonlinear equations
- Gradient
- Graph linear equations
- Solve sets of simultaneous of equations graphically
- Solve sets of simultaneous of equations algebraically
- Special pairs of angles
- Angle sums
- Triangle similarity
- Pythagorean theorem
- Distance formula
- Mean, median, range
- Scatter plots

As part of the **Year 7 and 8 Fee schedule** the cost for the purchase of the course books is included for all students (HAP students are exempt from the Literacy Program). During Term 1 all students will be provided with 4 course books to allow them access to the program. This is a vital aspect of the College's curriculum and is a weekly part of all Year 7 and 8 students program. Cost for the 4 course books is outlined on the Fee sheet.