

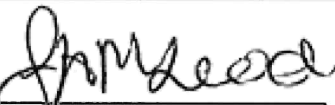
# School Improvement Plan Summary

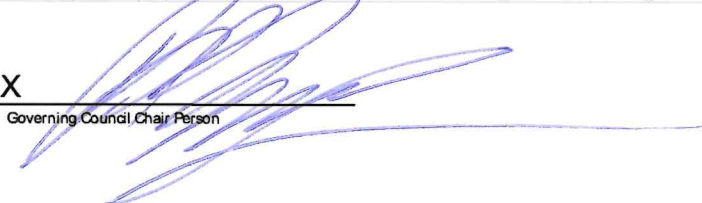
## Australian Science and Mathematics School

Goals	Targets	Challenge of Practice	Success Criteria
<p><b>Improve students' ability to comprehend written, visual, and informational texts (see ACARA comprehension definition)</b></p>	<p>2022: 35% Yr 10 &amp; 11 students to achieve A in English (2021- 28% Yr 9 from DfE schools, 29% Yr 10 ASMS)</p> <p>2023: 40% Yr 11 students to achieve A in English (2021 – 29%@Yr10, 45%@Yr11)</p> <p>2024: 40% Yr 12 students to achieve A in English (2021 - 31.71%, 36% state average) 52% Yr 12 students to achieve A in English Literary Studies (2021 - 50%, 36% state average)</p>	<p>If we strengthen whole-school approaches to student comprehension by explicitly utilising evidence-based comprehension practices in Year 10-12 learning design then we will improve students' ability to comprehend written, visual and informational texts.</p>	<ul style="list-style-type: none"> <li>We will see each student selecting and using effective comprehension methods to make meaning/construct new knowledge when we read student work and talk with students about what they are learning (sampled/ class recordings).</li> <li>PAT-R data reflects retention of 150+ band and growth of 120-139 bands</li> <li>Each student will read and view sophisticated texts (abstract, vocabulary, nuance, techniques), analyse the bias, credibility, and validity of primary and secondary sources, analyse how authors manipulate language features, image and sound for a purpose and evaluate the social, moral and ethical positions taken in text (sampled/ term interviews).</li> </ul>
<p><b>Improve students' agency in developing their understanding and transferring numeracy skills across the curriculum</b></p>	<p>2022: Increase Maths higher band retention by 10% (2021 – Yr9 DfE A43%, B38%, C14%, D/E5%, Year 10 ASMS A31%, B61%, C8%, Yr 11 ASMS A36%, B33%, C28%, D2%).</p> <p>2023: 70% of Yr 12 Mathematical Methods students receive a B- or higher (2021 -57% ASMS, 74% state)</p> <p>2024: 74% of Yr 12 Mathematical Methods students receive a B- or higher (2021-57% ASMS, 74% state). 65% of Yr 12 Specialist Mathematics students receive a B- or higher (2021 - 46% ASMS, 73% state)</p>	<p>If we strengthen whole-school approaches to student numeracy by explicitly designing for and highlighting the numeracy opportunities in our Year 10-12 programs and support students to articulate their numeracy learning growth, then we will improve students' ability to use agency in developing their understanding and in transferring their numeracy skills across the curriculum.</p>	<p>We will see each student able to articulate their numeracy learning across the curriculum and the opportunities they have taken to apply it when we read student work, converse with students about their learning and read their learning reflection comments. This will be evident in:</p> <ul style="list-style-type: none"> <li>Student-teacher conferencing discussions with their teachers and peers</li> <li>Completion of assessment tasks</li> <li>End of semester report student reflective comments</li> <li>Learning Conversations reflections on achievement and their goals for improvement</li> <li>Use of vocabulary (from curriculum planning and Numeracy Progressions) in biweekly Growth Reflections Records for numeracy connection and levels of confidence</li> </ul> <p>We will see students taking opportunities to be creative in their applications of numeracy when we assess student work in extended tasks across mathematics, science and design. This will be evident in:</p> <ul style="list-style-type: none"> <li>Increasing number of students engaging with and being successful in open sections of learning activities and tasks</li> <li>Reflections on goals set from PAT-M evidence</li> <li>An increase from the baseline fraction of Year 10 students showing growth and understanding in modelling and complex problem solving as evidenced by rubrics</li> <li>A metric (to be) developed for growth reflections to capture improvement in transfer and complex problem solving</li> <li>Growth in Y11 student achievement profile in CT2, 3, RC4 of St1Maths rubric; IAE3 St1 Science rubric</li> <li>Increase in number of Y12 students achieving B band or higher in investigation tasks in Maths Methods</li> </ul>

21/03/2022

X   
Principal

X   
Education Director

X   
Governing Council Chair Person

