



## ASSESSMENT OUTLINE MATHEMATICS SPECIALIST – ATAR YEAR 11: 2022 UNIT 1 AND UNIT 2



Assessment Type	Assessment Type Weighting	Assessment Task Weighting	Due Date	Assessment Task	Syllabus Content
Response	40%	5%	Term 1 Week 6	Test 1:	<b>Geometry and Combinatorics (1.3.1-1.3.15 &amp; 1.1.6)</b> Then nature of proof, Circle properties, Including proof and use and Pigeon-hole principle.
		7.5%	Term 2 Week 2	Test 2:	<b>Combinatorics &amp; Vectors in a Plane (1.1.1-1.1.9 &amp; 1.2.1-1.2.5)</b> Representing vectors by direct line segment, Algebra of vectors in the plane
		7.5%	Term 2 Week 5	Test 3:	<b>Vectors in the plane &amp; Geometry (1.2.5-1.2.14 &amp; 1.3.16-1.3.18)</b> Algebra of vectors in the plane, Geometry of vectors including proof and use
		7.5%	Term 3 Week 5	Test 4:	<b>Trigonometry (2.1.1-2.1.9)</b> Basic and reciprocal trigonometric functions, Compound angles and trigonometric identities and Application of trigonometric functions
		7.5%	Term 3 Week 10	Test 5:	<b>Real and Complex Numbers (2.3.1-2.3.16)</b> Proof involving rational and irrational numbers, Proof by induction and Complex number including roots of equations.
		5%	Term 4 Week 4	Test 6:	<b>Matrices (2.2.1-2.2.11)</b> Matrix arithmetic, transformations, and system of linear equations
Investigations	20%	10%	Term 1 Week 9	Investigation 1:	Vectors in a Plane
		10%	Term 3 Week	Investigation 2:	Trigonometry
Examinations	40%	20%	Term 2 Weeks 7-8	Semester 1 Exam	Question selection from Unit 1 content knowledge, skills and processes
		20%	Term 4 Weeks 6-7	Semester 2 Exam	Question selection from Unit 1 and Unit 2 content knowledge, skills and processes
<b>Total</b>	<b>100%</b>	<b>100%</b>			

**PLEASE NOTE:** ASSESSMENT DATES MAY CHANGE DUE TO SCHOOL COMMITMENTS AND CHANGES TO THE SCHOOL CALENDAR