PERTH MODERN SCHOOL
Exceptional schooling. Exceptional students.
Independent Public School

Assessment outline: Mathematics Specialist 3 & 4: 2024 –
Note: This outline and assessment dates are subject to change!

Times of assessments may vary with notice.

	ASSESSMENT	TIME	WEIGHTING
Investigations 20%	**1: Complex numbers** (Factorisation of polynomials) 3.1.1 – 3.1.7 3.1.13 – 3.1.15	**Wk.6 (T1) 2023 Thurs p1**	10%
	2: Integral Calculus 4.1.5-4.1.7 Volumes of revolution	**Wk.11 (T2) 2023 Thurs p1**	10%
Response 40%	**Test 1: Complex No.** **Cartesian forms** **Complex arithmetic using polar form** **The complex plane (The Argand plane)** **Roots of complex numbers** **Factorisation of polynomials** 3.1.1 – 3.1.15	**Wk.3 (T1) 2023 In class thurs/Fri**	13%
	2: Functions **Functions** **Sketching graphs** **The algebra of vectors in three dimensions** **Vector and Cartesian equations** 3.2.1 – 3.2.8 3.3.1-3.3.4	**Wk.9 (T1) 2023 Tues in class**	13%
	3: Vectors **Systems of linear equations** **Vector calculus** **Integration techniques** **Applications of differentiation** 4.1.1 – 4.1.7	**Wk.5 (T3) 2023 Fri p1**	14%

	3.3.1 – 3.3.15 Integration techniques & applications **Integration** **Separation of variables, Modelling motion** **Applications of integral calculus** 4.2.1 – 4.2.7 Sample Means 4.3.1 – 4.3.3		
Exams 40%	**Semester One Exam** **Topic 3.1: Complex numbers** **Topic 3.2: Functions and sketching graphs** **Topic 3.3: Vectors in three dimensions** Unit 3	**Wk.5-6 (T2)**	18%
	Semester Two Exam **Topic 4.1: Integration and applications of integration** **Topic 4.2: Rates of change and differential equations** **Topic 4.3: Statistical inference** Units 3 & 4	**Wk.9-10 (T3)**	22%
		TOTAL	100%

Parent and Student Declaration:
I have read the above assessment schedule and understand the requirements of the course.

Student's Signature _____ **Date** _____

Parent's Signature _____ **Date** _____