



# Ambarvale High School

## MATHEMATICS Faculty Programs

### Stage 6 – 2024

# YEAR 12 EXTENSION 2

Week	1	2	3	4	5	6	7	8	9	10	11
Term											
<b>4</b>	<b>Complex Numbers I</b> Introduction to Complex Numbers <i>MEX-N1</i>					<b>Proofs</b> Nature of Proofs & Proof by Mathematical Induction					
<b>1</b>	<b>Complex Numbers II</b> Using Complex Numbers <i>MEX-N2</i>					<b>Vectors</b> Further Work with Vectors <i>MEX-V1</i>					
<b>2</b>	<b>Mechanics</b> Applications of Calculus to Mechanics <i>MEX-M1</i>								<b>Trial Exams</b>		
<b>3</b>	<b>Calculus</b> Further Integration <i>MEX-C1</i>								<b>Revision</b>		

#### Unit Assessment

Summative Assessment			
Task	Date	Weight of Task	Topics Assessed
Assignment	Term 4, Week 9	20%	Complex Numbers I & Proofs
Topic Test	Term 1, Week 9	30%	Complex Numbers II & Vectors
Trial HSC	Term 2, Week 9/10	20%	Complex Numbers I & II, Proofs, Vectors and Mechanics
Open Book Exam	Term 3, Week 4	30%	Calculus

Name: \_\_\_\_\_

Class: \_\_\_\_\_