

Orchard School Bristol
Faculty Schemes of Learning – Overview

Faculty of Mathematics
Year 11 – Mathematics Higher Course

	Unit 1	Unit 2	Unit 3	Unit 4
Unit Title	CH19 Pythagoras and trigonometry	CH20 The probability of combined events	CH21 Sequences	CH22 Units and proportionality
Assessment Objectives	AO1 AO2 AO3	AO1 AO2 AO3	AO1 AO2 AO3	AO1 AO2 AO3
SMSC Link (Spiritual, Moral, Social, and Cultural development)	SP3 M5 S1 S4	SP3 SP5 M5 S1 S4	SP3 SP5 M5 S1 S4	SP3 M5 S1 S4
Assessment	<ul style="list-style-type: none"> • Formative Assessments in class at the end of each chapter • PPE1 & 2 • Final exam 	<ul style="list-style-type: none"> • Formative Assessments in class at the end of each chapter • PPE1 & 2 • Final exam 	<ul style="list-style-type: none"> • Formative Assessments in class at the end of each chapter • PPE1 & 2 • Final exam 	<ul style="list-style-type: none"> • Formative Assessments in class at the end of each chapter • PPE1 & 2 • Final exam

Assessment Objectives - Detail	
AO1	Use and apply standard techniques. Students should be able to: accurately recall facts, terminology and definitions; use and interpret notation correctly accurately; carry out routine procedures or set tasks requiring multi-step solutions.
AO2	Reason, interpret and communicate mathematically. Students should be able to: make deductions, inferences and draw conclusions from mathematical information; construct chains of reasoning to achieve a given result interpret and communicate information accurately; present arguments and proofs assess the validity of an argument and critically; evaluate a given way of presenting information.
AO3	Solve problems within mathematics and in other contexts Students should be able to: translate problems in mathematical or non-mathematical contexts into a process or a series of mathematical processes; make and use connections between different parts of mathematics; interpret results in the context of the given problem; evaluate methods used and results obtained; evaluate solutions to identify how they may have been affected by assumptions made.