

Pearson AS-Level Mathematics – 8MA0: WBHS Summer 2021 Assessment Record

Record produced and finalised by:

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Role: HEAD OF MATHS

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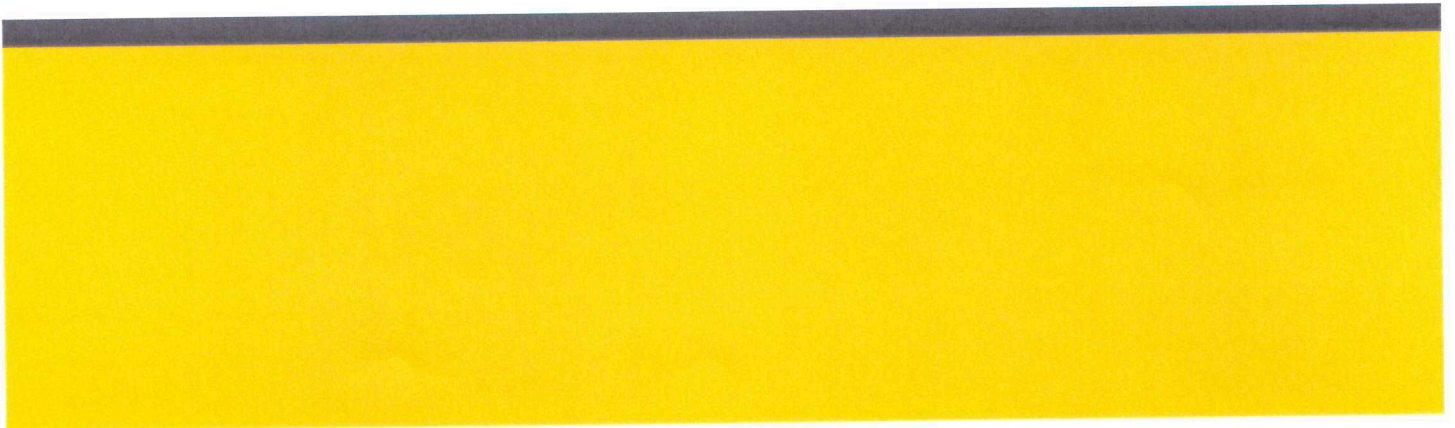
Date: 6/7/21

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Role: 2nd IN MATHS

Signature: Chris Johnson

Date: 6/7/21



Assessment Record Rational for all Centre Assessed Grades

We have used formal, written assessments to help determine what grades students are working at as we feel this is the best way to test student understanding. This is also how students are assessed under normal circumstances in maths. These assessments have been taken in high control conditions (unless where this has not been possible due to lockdown) to ensure the work assessed is a students' own. Across these assessments we have covered all topic areas and within each topic area (in most cases) there have been questions assessing all assessment criteria's so we are confident that there has been a breadth of coverage.

We either created our own assessments using past exam questions to ensure an appropriate level of challenge or used past papers created by the exam boards. Both enabled us to use mark schemes provided by the exam board to ensure consistency in marking. Across the selection of assessments, students were told which broad topics would be on each assessment to ensure that students had a fair chance to show us what they could and couldn't do. Grade boundaries have been produced using historical grade distributions for the relevant qualification at this school.

For any students who have missed an assessment, we used the remaining assessments to inform their assessed grade. For the very small number of students who missed several assessments we have also used classwork and homework tasks to help inform their grade.

EDEXCEL AS Level Maths - 8MA0 – Information

Subject Content

Pure Content Overview

- Topic 1 – Proof
- Topic 2 – Algebra and functions
- Topic 3 – Coordinate geometry in the (x, y) plane
- Topic 4 – Sequences and series
- Topic 5 – Trigonometry
- Topic 6 – Exponentials and logarithms
- Topic 7 – Differentiation
- Topic 8 – Integration
- Topic 9 – Numerical methods
- Topic 10 – Vectors

Stats and Mechanics Content Overview

- Topic 1 – Statistical sampling
- Topic 2 – Data presentation and interpretation
- Topic 3 – Probability
- Topic 4 – Statistical distributions
- Topic 5 – Statistical hypothesis testing
- Topic 6 – Quantities and units in mechanics
- Topic 7 – Kinematics
- Topic 8 – Forces and Newton's laws
- Topic 9 – Moments

Assessment Objectives

AO1: Use and apply standard techniques

AO2: Reason, interpret and communicate mathematically

AO3: Solve problems within mathematics and in other contexts

Whitley Bay High School – Maths Department – Edexcel AS Level Maths – 8MA0 - Assessment Grid

1 Y12 student assessed – BB

Assessment	Pure Topic 1			Pure Topic 2			Pure Topic 3			Pure Topic 4			Pure Topic 5			Pure Topic 6			Pure Topic 7			Pure Topic 8			Pure Topic 9			Pure Topic 10			Level of Control			
	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3				
Driving Test Sept 20																																		High
Assessment 1 Nov 20																																		High
Pure Assessment 2 March 21																									A2 Only						High			

Assessment	Statistics															Mechanics									Level of Control						
	Applied Topic 1			Applied Topic 2			Applied Topic 3			Applied Topic 4			Applied Topic 5			Applied Topic 6			Applied Topic 7			Applied Topic 8				Applied Topic 9					
	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3		AO1	AO2	AO3			
Assessment 1 Nov 20																															High
Applied Assessment April 21																									A2 Only			High			

Comments

- All content was taught
- All topics have been covered in assessments. Some Assessment objectives haven't however. This is due to them being omitted in the past papers which we used to assess.
- Standardisation: All assessments are made up of exam questions from past papers and are marked using exam board mark schemes. Teachers have been trained to follow mark schemes and can consistently award marks as the mark scheme indicates. Any additional special cases or areas of perceived ambiguity are discussed and agreed as a department to ensure absolute consistency between teachers.
- A2 only – This strand of the specification is only assessed if taking course to the full A Level

Whitley Bay High School – Maths Department – Edexcel AS Level Maths – 8MA0 - Assessment Grid

1 Y13 student entered – AF

Assessment	Pure Topic 1			Pure Topic 2			Pure Topic 3			Pure Topic 4			Pure Topic 5			Pure Topic 6			Pure Topic 7			Pure Topic 8			Pure Topic 9			Pure Topic 10			Level of Control
	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	
Driving Test Sept 19																															High
Assessment 1 Nov 19																															High
Pure Assessment 2 May																													A2 Only	High	

Assessment	Statistics															Mechanics									Level of Control					
	Applied Topic 1			Applied Topic 2			Applied Topic 3			Applied Topic 4			Applied Topic 5			Applied Topic 6			Applied Topic 7			Applied Topic 8				Applied Topic 9				
	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3	AO1	AO2	AO3		AO1	AO2	AO3		
Assessment 1 Nov 19																														High
Applied Assessment June 20																													A2 Only	Limited – completed remotely

Comments

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