AQA A-Level Physics – 7408A:
WBHS Summer 2021 Assessment Record

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The A level Physics CAGs have been determined using assessment evidence that covered a comprehensive range of the specification provided by the exam board and reflects all the assessment objectives.

Yr.12 data **has** been used as part of the holistic approach to awarding grades. This has been especially helpful when considering pre-pandemic performance and adjusting our teaching and learning to address any problems students faced through this extremely challenging period. The data we considered from this year comprises of quiz scores, end of unit tests and homework scores.

Contextually, our centre has achieved very good results in physics, particularly since the new syllabus has been examined (2018 onwards). Students are monitored closely over the 2 years however many make excellent progress towards the end of year 13 as we pull together all of the topics and fully develop the skills of our students.

Overall, there has been a greater weighting placed on Yr.13 assessments to reflect this progress of students across the two years of the course. This is also in line with the guidance provided by Ofqual regarding later assessments providing a better representation of a student's final grade.

Boundaries
Any grade boundaries generated for purposes of reflecting progress in examinations are based on the published boundaries for the exam series (if appropriate) or a direct translation of percentages to our internally produced tests. Whilst acknowledging the absolute merits of setting past-exam questions in assessing student's understanding and progress, they are designed to be fully answered at the end of two years of study. Thus, asking students in October of Y12 (for example) to answer questions designed for student in May / June of Y13 is somewhat unfair. Therefore, we moderate our grade awards based on how far through the course the students are. We aim to be informative but encouraging.

Due to this evidence covering such a broad range of the subject content, assessments have been based on exam board mark schemes and grade descriptors, and have been subject to moderation and standardisation at a teacher, departmental and whole school level we are confident the Centre Assessed Grades submitted for this course are accurate.

Please find enclosed:

1. **Table 1** which includes details about the 29 students completing an A level in Physics through the school year 2020-2021.
2. **Table 2** which includes details for an external candidate (ex-student from WBHS).

Table 1.

	Type of Assessment	Assessment Objectives			Level of Control H, M, L (Dates of standardisation)
Order of priority		AO1	AO2	AO3	
Assessment 1: Physics assessment Wednesday 5th May *Topics included* *3.1 Measurements and their errors* *3.9 Astrophysics*	Examination constructed to reflect a wide range of content in our option and all AOs. *Questions selected from November 2020 papers (from secure e-AQA website)*	Y	Y	Y	H In class examination taken by all students on the same day. Marking standardised on Tuesday 11th May Mark schemes adhered to and marking sampled by head of subject.
Assessment 2: Physics assessment Wednesday 21st April *Topics included* *3.7.5 Magnetic Fields* *3.8 Nuclear Physics*	Examination constructed to reflect a wide range of content in our option and all AOs. Multiple choice and structured questions included. *Questions selected from November 2020 papers (from secure e-AQA website)*	Y	Y	Y	H In class examination. Marking standardised on Tuesday 4th May Mark schemes adhered to and marking sampled by head of subject.
Assessment 3: Physics assessment w/c 1st March *Topics included* *3.6.1 Periodic Motion* *3.6.2 Thermal physics* *3.7.2 Gravitational fields* *3.7.3 electrical fields* *3.7.4 Capacitance*	Multiple choice exam questions. *Questions selected from November 2020 papers 1and 2, May 2019 papers 1 and 2 and June 2018 paper 1*	Y	Y		L Time limited Microsoft form completed by students at home. Auto marked using the markschemes.
Assessment 4:		Y	Y	Y	H

Physics assessment w/c 5th October *Topics included:* *3.2 Particles and radiation* *3.3 Waves* *3.4 Mechanics and materials* 3.5 Electricity					In class examination. Marking standardised using department training time. Mark schemes adhered to.
Compensatory considerations					
Weekly quizzes (September 2019 – December 2021)	Multiple choice exam questions concentrating on key definitions *Constructed using AQA Exampro tool*	Y	Y	Y	H Completed under high control conditions in class and marked by teachers
End of unit tests (September 2019 – December 2020)	Tests constructed to reflect a wide range of content and all AOs. Multiple choice and structured questions included. *Constructed using AQA Exampro tool.*	Y	Y	Y	H Mark schemes closely adhered to. Head of subject continuously checking closely for between class variation.

Table 2

	Type of Assessment	**Assessment Objectives**			**Level of Control H, M, L (Dates of standardisation)**
Order of priority		AO1	AO2	AO3	
Assessment 1: Physics assessment Wed 19th May *Topics included* *3.1 Measurements and their errors* *3.9 Astrophysics*	Examination constructed to reflect a wide range of content in our option and all AOs. *Questions selected from November 2020 papers (from secure e-AQA website)*	Y	Y	Y	H Marked by head of subject

Assessment 2: Physics assessment Wed 19th May *Topics included* *3.7.5 Magnetic Fields* *3.8 Nuclear Physics*	Examination constructed to reflect a wide range of content in our option and all AOs. Multiple choice and structured questions included. *Questions selected from November 2020 papers (from secure e-AQA website)*	Y	Y	Y	H Marked by head of subject