Rationale for Year 13 A level Physics Teacher Assessment 2021

This year students will receive grades awarded and determined by teachers, with students only assessed on what they have been taught and based on the standard at which they are performing.

Teachers have been asked to draw on a range of evidence when determining grades, including the optional use of questions provided by exam boards, mock exams made up of modified past paper questions as well as full past papers, and lab book evidence for practical endorsement component of the course.

The Process for awarding a Teacher Assessment Grade (TAG) for Subject type and Title

- At JM6, A level Physics is taught by 1 experienced teacher 1 NQT.
- These teachers have taught A level Physics for many years.
- A level Physics has 3 written papers and a practical endorsement based on lab work completed in lessons. All students have met their practical endorsements.
- Throughout the course, the Physics department keeps records of data in order to calculate performance.
- Specification weighting of different components are considered when calculating performance.

TAG Grades 2021

- The range of evidence used ensures that all Assessment Objectives are covered. Furthermore, all syllabus components will be considered when calculating the TAG. The evidence used and weighting will be as follows:

Component	Expected Evidence	Type of Assessment	Approximate weighting of component	Overall weighting to final TAG
Paper 1	2019/2020 historical data from test weeks	Unseen test	5%	35%
	2019/2020 homework assignment	Open book	5%	
	Dec winter test 2020/ 2021 mock exam	Unseen test	25%	
Paper 2	2019/2020 historical data from test weeks	Unseen test	5%	35%
	2019/2020 homework assignments	Open book	5%	
	March 2021 in class assessment	Unseen test	25%	
Paper 3	May 2021 in class assessment	Unseen test	25%	30%
	Formative assessment from lab book	Teacher judgement	5%	

Any relevant information

- Access arrangements have, and will be, followed for all unseen tests.
- Use of full past papers allows for corresponding grade boundaries and other exam materials to be used when awarding grades for unseen tests.
- Due to the structure of the course and lockdown there has not been opportunity to collect data on paper 3, hence the greater weighting for an internal paper 3 assessment and use of Practical Endorsement Criteria from lab book evidence.
- March and May 2021 in class assessments will have to be modified to consider the lost practical time due to lockdown.

- May 2021 exams will be moderated to ensure accurate marking.
- Overall grade will be based on results from Paper1,2,3 for an average grade out of 300 marks

These are the topic areas students should revise for upcoming in class assessments

Paper 2 march in class assessment March	Paper 3 in class assessment May
Space:HRDiags Materials:Springs NucRad:BindingEnergy NucRad:DecayEqns Waves:Polarisation Waves:Photoelectric Space:StarsTemp Materials:Upthrust ElecFields:SimilaritiesToGravFields SHM:VelocityGraph Thermo:SHC/SLH Waves:Polarisation,TIR Osc:Resonance Space:Doppler,Orbits Waves:WaveEqn, Superposition,StandingWaves Osc:Pendulum,Materials:Stress,Mechs:KE	Accuracy errors uncertainty Specific Heat capacity Circular motion uncertainty Focal length lenses Intensity and waves data interpretation Space HST age of universe