Gorokan High School

Assessment Task Notification

RESPECT | RESPONSIBILITY | PERSONAL BEST

Faculty: Science	**Course: Stage 6 - Year 12**	**Time allowed: 4 Weeks**
Teacher: Mesina		**Email: frank.mesina@det.nsw.edu.au**
Task number: 2	**Title: Depth Study**	
Year: 12	**Due date: 8:30am 3 April 2024**	**Weighting: 30%**

Syllabus outcomes assessed:

PH11/12-4	selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media
PH11/12-5	analyses and evaluates primary and secondary data and information
PH11/12-6	conducts investigations to collect valid and reliable primary and secondary data and information
PH11/12-7	communicates scientific understanding using suitable language and terminology for a specific audience or purpose
PH12-12	describes and analyses qualitatively and quantitatively circular motion and motion in a gravitational field, in particular, the projectile motion of particles

21st Century and employment related skills:

☒	Communication	☒	Use of technology
☒	Critical Thinking	☒	Self-reflection and refinement
☐	Creativity	☐	Problem Solving
☐	Collaboration	☐	Initiative and Enterprise
☒	Planning and Organising	☐	Cross-Cultural Understanding

Task description:

Module 5 – Advanced Mechanics. Research task/Depth Study

This task requires students to revise the work they learned in their first Year 12 module and create a unit revision/module test. They will also produce an answer key. This will show mastery of the course content.

Motion in one dimension at constant velocity or constant acceleration can be explained and analysed relatively simply. However, motion is frequently more complicated because objects move in two or three dimensions, causing the net force to vary in size or direction.

Assessment criteria:

You will be assessed on your ability to: See attached criteria

Method of task submission:

To be submitted to Library, 8:15pm, Wednesday 3 April 2024

Marking guidelines:

Grade	Descriptor	Mark
A		
B		
C		
D		
E		
N (Stages 5 and 6)		