YEAR 13 – MATHEMATICS (Week 3)-2021-2022

Subject	**Mathematics**
Class/ Section	**Year 13 – Batch A, B and C**
Week	**12th September to 16th September**
Work send to students by	**Google classroom**
Total number of lessons per week	**3**
Unit/Topic	**– Constant acceleration (Chapter 9)**
Key Vocabulary	**Deceleration, retardation, free fall.**
Lessons 1,2,3 –Live Zoom lesson along with face to face instruction for students present on a particular day **Work will be assigned in google classroom which will be matched to the students ability.**	**Specific Learning objectives** - Derive the constant acceleration formulae and use them to solve problems **Specific Intended Learning Outcomes** -Students will be able to select appropriate constant acceleration formulae to solve problems involving horizontal motion.

Tasks/Activities	- Students will be able to use the concept of free fall and identify appropriate constant acceleration formulae to solve problems involving vertical motion under gravity

The Teacher would involve the students in deriving the constant acceleration formulae. The teacher would then model how to use these horizontal motion and vertical motion under gravity. Complete the questions assigned from the Mechanics 1 text book in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning. |
| **Assessment Criteria/ Essential questions** | Essential Question that are according to the Pearson edexcel specification

e.g M1 old specification May 2003 question 3.

    M1 old specification November 2004 question 6.

For example, assessment objectives expected by the board with respect to the above question is listed below.

AO1: select and correctly carry out routine procedures
AO2: use mathematical language and notation correctly
AO3: translate problems in mathematical and non-mathematical contexts into mathematical processes. |
| **Resources** | 1. Edexcel Statistics& Mechanics book 1 textbook
2. Ppt on the topic
3. https://www.physicsandmathstutor.com |