YEAR 13 – MATHEMATICS (Term 2Week 1)-2020-2021

Subject	Mathematics
Class/ Section	Year 13 – Batch A, B and C
Week	31st January to 4th February
Work send to students by	Google classroom
Total number of lessons per week	3
Units	-Chapter 7 book 2- Application of Forces
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.**	Learning objectives – - To find unknown force when a system is in equilibrium - To solve problems involving weight, tension and pulleys. - To understand and solve problems involving limiting equilibrium. **Intended Learning Outcomes** - Students will be able to find the horizontal and vertical components of a force and use the condition of equilibrium. - Students will be able to understand that the tension throughout the string is the same when a bead is threaded on to a string - Students will be able to use the fact that frictional force takes its maximum value when a particle is in limiting equilibrium.

Tasks	Complete the questions assigned from the Mechanics 2 text book on Statics and limiting equilibrium application of forces (Ex7A,EX7Band EX 7C) in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.
Resources	1. Edexcel Statistics& Mechanics book 1 textbook 2. https://www.physicsandmathstutor.com