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

Subject	Mathematics
Class/ Section	Year 13 – Batch A, B and C
Week	14th February to 18th February
Work send to students by	Google classroom
Total number of lessons per week	3
Units	-Chapter 7 book 2- Application of Forces(Completion) -Chapter 8 book 2-Further Kinematics (Start)
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 Solve problems involving connected particles that require the resolution of forces. - To apply vectors for displacement, velocity and acceleration when using vector equations of motion. **Intended Learning Outcomes** - Students will be able to resolve forces in appropriate two perpendicular directions and solve problems involving connected particles on an inclined plane and a double wedge. - Students will be able to use Vector equation $r = r_0 + s$, to solve problems involving collisions. - Students will be able to find the time when a particle is South-East, North- West from its original position.

Tasks	Complete the questions assigned from the Mechanics 2 text book on Statics and limiting equilibrium application of forces (EX7F,Mixed Ex and EX 8A) in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.
Resources	1. Edexcel Statistics& Mechanics book 2 textbook 2. https://www.physicsandmathstutor.com