

YEAR 13 – MATHEMATICS (Week 4)-2020-2021

Subject	Mathematics
Class/ Section	Year 13 – Batch A, B and C
Week	27th September to 1st October
Work send to students by	Google classroom
Total number of lessons per week	3
Units	– Forces and motion
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 – <ul style="list-style-type: none">- To solve problems involving connected particles by considering the particles separately- To solve problems involving connected particles involving pulleys.
Tasks	<u>Intended Learning Outcomes</u> <ul style="list-style-type: none">-Students will be able to draw a force diagram indicating the various forces acting on each particle separately.- Students will be able to deduce that when particles are connected they move with the same acceleration.- Students will be able to apply their knowledge of constant acceleration equations to situations when the string breaks.-Students will be able to apply Newton’s third law to calculate the force exerted on the pulley. Complete the questions assigned from the Mechanics 1 text book on forces and motion(Ex10E-10 F) 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>