

YEAR 13 – MATHEMATICS (Week 9)-2020-2021

Subject	Mathematics
Class/ Section	Year 13 – Batch A, B and C
Week	25th October to 28th October
Work send to students by	Google classroom
Total number of lessons per week	3
Units	– Chapter 5 book 2-Forces and Friction
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.	<p>Learning objectives –</p> <ul style="list-style-type: none">- To be able to resolve a given force into its components along two perpendicular directions.- To resolve forces acting on a particle placed on an inclined plane into its components acting along the plane and perpendicular to the plane. <p><u>Intended Learning Outcomes</u></p> <ul style="list-style-type: none">- Students will be able to apply their knowledge of resolving forces to problems involving dynamics for particle moving on a horizontal surface by using $F= ma$.-Students will be able to resolve any force that is neither along the plane or perpendicular to the plane into components along the plane and perpendicular to the plane and solve problems on dynamics for particle moving on an inclined plane.

Tasks	Complete the questions assigned from the Mechanics 2 text book on resolving forces and solving problems on Dynamics(Ex5A& 5B) in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.
Resources	<ol style="list-style-type: none">1. Edexcel Statistics& Mechanics book 1 textbook2. https://www.physicsandmathstutor.com