YEAR 12 – PURE MATHEMATICS (Week 2)-2021-2022

Subject	**Mathematics(PURE)**
Class/ Section	**Year 12 – Batch 1, 2 and 3**
Week	**5th September to 9th September**
Work send to students by	**Google classroom**
Total number of lessons per week	**3**
Units	**Pure Math** **Graph and transformations(chapter 4)**
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 student's ability.**	**Specific Learning objectives** -Sketching cubic graphs. -Sketching Quartic graphs -Sketching Reciprocal graphs -Use intersection points of graphs to solve equations **Specific Intended Learning Outcomes** -Students will be able to sketch cubic graphs. - Students will be able to sketch Quadratic graphs - Students will be able to Sketch Reciprocal graphs - Students will be able to sketch curves of functions to show points of intersection and solutions to equations. The Teacher would introduce several different forms of the graph

Tasks/Activities	of cubic, Quartic, Reciprocal functions, depending on the exact nature of the function. Sketch the graph of cubic, Quartic functions by finding the roots of the function. Sketch the graph of Reciprocal functions, by considering their asymptotes. Sketch curves of functions to show points of intersection and solutions to equations. Students will explore other examples and interpret each part of the Sketch signifies. Complete the questions assigned from the pure mathematics 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 Core Mathematics C12 old specification October 2017 question 15(parts a ,b, c) 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 Pure Mathematics Book 1 Textbook 2. Edexcel Statistics& Mechanics book 1 textbook 3. Ppt on the topic. 4. https://www.physicsandmathstutor.com