YEAR 12 – MATHEMATICS Week 41(6th June-10th June 2021)

Subject	**Mathematics**
Class/ Section	**Year 12 – Batch A, B and C**
Week	**6th June to 10th June 2021**
Work send to students by	**Group email / Google classroom / Zoom**
Total number of lessons per week	**6**
Units	**Pure Mathematics – Year 2** **Chapter 1 – Algebraic Methods** **1.2 Algebraic fractions** **1.3 Algebraic fractions** **1.4 Repeated factors.** **1.5 Algebraic division**
Lessons 1 –Live Zoom lesson **Tasks** **Resources**	**Pure Mathematics – Year 2** **Chapter 1 – Algebraic Methods** **1.2 Algebraic fractions** **Learning objective** –**To multiply and divide two or more algebraic fractions. Add or subtract two or more algebraic fractions.** **Intended Learning Outcomes:** Students will be able to understand to multiply fractions, cancel any common factors, the multiply the numerators and multiply the denominators, to divide two fractions, multiply the first fraction by the reciprocal of the second fraction. Students will be able to understand to add or subtract two fractions, find a common denominator. To complete the questions assigned from the Textbook (pdf) in their notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning. 1. Power point presentation 2. Pure Mathematics Year 2 3. https://www.physicsandmathstutor.com/ 4. https://www.drfrostmaths.com/ 5. https://www.examsolutions.net/

Lessons 2 –Live Zoom lesson	**Pure Mathematics – Year 2** **Chapter 1 – Algebraic Methods** **1.3 Algebraic fractions** **Learning objective** – convert an expression with linear factors in the denominator into partial fractions. **Intended Learning Outcomes:** Students will be able to find a single fractions with two distinct linear factors in the denominator can be split into two separate fractions with linear denominators.
Tasks	To complete the questions assigned from the Textbook (pdf) in their notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.
Resources	1. Power point presentation 2. Pure Mathematics Year 2 3. https://www.physicsandmathstutor.com/ 4. https://www.drfrostmaths.com/ 5. https://www.examsolutions.net/
Lessons 3 –Live Zoom lesson	**Pure Mathematics – Year 2** **Chapter 1 – Algebraic Methods** **1.4 Repeated factors.** **Learning objective** – convert an expression with repeated linear factors in the denominator into partial fractions. **Intended Learning Outcomes:** Students will be able to find a single fractions with repeated linear factor in the denominator can be split into two or more separate fractions .
Tasks	To complete the questions assigned from the Textbook (pdf) in their notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.
Resource	1. Power point presentation 2. Pure Mathematics Year 2 3. https://www.physicsandmathstutor.com/ 4. https://www.drfrostmaths.com/ **5.** https://www.examsolutions.net/

Lessons 4&5 –Live Zoom lesson **Tasks** **Resource**	**Pure Mathematics – Year 2** **Chapter 1 – Algebraic Methods** **1.5 Algebraic Division** **Learning objective** –Divide algebraic expressions ,Convert an improper fraction into partial fractions **Intended Learning Outcomes:** Students will be able to find an improper algebraic fraction is one whose numerator has a degree equal to or larger than the denominator by algebraic division or the relationship F(x)=Q(x)*Divisor+ Reminder to convert an improper fraction into a mixed fraction. To complete the questions assigned from the Textbook (pdf) in their notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning. 1.Power point presentation 2. Pure Mathematics Year 2 3.https://www.physicsandmathstutor.com/ 4. https://www.drfrostmaths.com/ 5.https://www.examsolutions.net/
Lessons 6 –GOOGLE CLASS ROOM **Tasks** **Resource**	**To do problems involving Chapter 1 – Algebraic Methods** **Intended Learning Outcome:** **By the end of the lesson students will be able to do problems from the** **Mixed exercise – Chapter 1 -Algebraic Methods** **Questions 9,12,14 15,19** **Work will be assigned in Google Classroom.** **Text Book :** Pure Mathematics Year 2