



مدرسة القديسة مريم الكاثوليكية الثانوية - دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

YEAR 8 – MATHEMATICS (Week 4)-2021-2022

Subject	Mathematics
Class/ Section	Year 8 – Batch A, B, C, D, E, F
Week 4	19 th September to 23 th September
Work send to students by	Google classroom
Total number of lessons per week	5
Unit/Topic	– Delta 2 UNIT 1.4: Calculating and Estimating – Delta 3 UNIT 1.3: Standard Form
Key Vocabulary	exponents, significant figures, standard form
Lessons 1,2,3,4 and 5 –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.	<u>Specific Learning objectives</u> <ul style="list-style-type: none">- To Solve more problems by calculate with powers.- To Round to a number of significant figures and Estimate calculations using rounding.- To Write numbers using standard form. To learn ordering numbers written in standard form. <u>Specific Intended Learning Outcomes</u> <p>By the end of the Lesson Students will be able to</p> <ul style="list-style-type: none">- Solve problems by calculate with powers.- Round to a number of significant figures and Estimate calculations using rounding.

Tasks/Activities

- **Understand, Order and write numbers using standard form.**

Discussion the rule for rounding the numbers to given numbers of significant figures. Students need to round each number to 1 significant figure and then use the order of operations for estimating and calculating.

Scientists describing the universe need to write down very large numbers in a way that is easy to read.

Write up 2320 , 2.52×10^2 , 0.02×10^2 , 21.5×10^{23} , 2.5×5^2 and explain that only one of these expressions is in standard form.

Explain that a number in standard form has two elements: a number and a power of 10. Describe how the number part can be 1, or greater, but has to be less than 10.

Complete the questions assigned from the Delta 2 and Delta 3 text book in the notebook. Students will be work out with Zoom lesson to encourage collaborative learning and submit the Assignment in GC.

Essential Question that are according to the KS3 Progress Maths

e.g 1)AO3 –Make and use connections between mathematical parts

Estimate the answer to each calculation by rounding each number to 1 significant figure.

a $\frac{(1.2 + 3.5)^2}{1.8^3}$

b $\frac{(27 - 14)^3}{7.3^2}$

2) AO1- Accurately recall facts and Present data mathematically

Put these sets of numbers in order, from smallest to largest.

a 9.87×10^2 8.65×10^4 1.9×10^3 3.59×10^2 1.95×10^4

**Assessment Criteria/
Essential questions**

Resources

1. Ppt and Videos related to the topic
2. KS3 Maths Delta 2 and Delta 3 Active Learn Course
3. Assignment