



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

YEAR 8 – MATHEMATICS (Week 3)-2021-2022

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 8 – Batch A, B, C, D, E, F</b>
<b>Week 3</b>	<b>12<sup>th</sup> September to 16<sup>th</sup> September</b>
<b>Work send to students by</b>	<b>Google classroom</b>
<b>Total number of lessons per week</b>	<b>5</b>
<b>Unit/Topic (Delta2)</b>	<b>– UNIT 1.2: Laws of indices</b>
<b>Key Vocabulary</b>	<b>Indices, exponents, powers</b>
<b>Lessons 1,2,3 –Live Zoom lesson along with face to face instruction for students present on a particular day</b>  <b>Lesson 4,5 --Work will be assigned in Google classroom which will be matched to the students ability.</b>	<b><u>Specific Learning objectives</u></b> <ul style="list-style-type: none"><li>- Review how to work out the laws of indices for positive powers.</li><li>- To show that any number to the power of zero is 1.</li><li>- Use the laws of indices for multiplying and dividing</li></ul> <b><u>Specific Intended Learning Outcomes</u></b> <ul style="list-style-type: none"><li>- Students will be able to work out the laws of indices for positive powers.</li><li>- Students will be able to use any number to the power of zero is 1 for solving problems.</li><li>- Students will be able to use the laws of indices for multiplying and dividing</li></ul>

**Tasks/Activities**

The Teacher would discuss  $2^0 = 1$ . Does this mean that  $4^0$  is twice as big? No, because  $4^0 = 1$ , so  $2^0$  and  $4^0$  are the same size.

Provide copies of the first few parts with partial working for students to complete. For example, for Q5a,  $3^4 \times 3^2 = 3^{\quad} = 3^{\quad}$

Complete the questions assigned from the Delta 2 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 Questions that are according to the KS3 Progress specification

e.g 1) What expressions will simplify to  $9^6$ ?

2) KS3 Maths Progress Delta 2 textbook page 5 - Q 15.

**Resources**

1. Ppt and Videos related to the topic
2. KS3 Maths Delta 2 Active Learn Course, Section 1.2 exercises 1 to 4