



# ORANGE HIGH SCHOOL

## ASSESSMENT TASK NOTIFICATION

<b>Subject</b>	Year 10 5.2 Mathematics
<b>Topic</b>	Task 2 – Mid Course Examination
<b>Class Teacher</b>	Ms Sood, Ms Harris
<b>Head Teacher</b>	Ms Stevenson
<b>Year</b>	10MA3, 10MA4
<b>Date Given</b>	Week 3, Term 2 2019
<b>Date Due</b>	Week 5, Term 2 2019
<b>Weighting</b>	30%

### Assessment Outline

#### **In Class Examination – 1 period**

- **Measurement**
  - Units of Measurement, Significant Figures, Scientific Notation, Accuracy of Measurement, Pythagoras' Theorem, Perimeter, Area, Surface Area of Solid Shapes, Volume of Solid Shapes
- **Algebraic Expressions and Indices**
  - Substitution, Add and Subtract Algebraic Expression, Multiply and Divide Algebraic Expressions, Expanding Brackets, Factorising, Multiplying and Dividing Algebraic Fractions, Adding and Subtracting Algebraic Fractions, Index Laws
- **Probability**
  - Simple Probability, Experimental Probability, Venn Diagrams, Two-Way Tables, Two-Step Experiments Arrays, Tree Diagrams With and Without Replacement, Dependent and Independent Events
- **Single Variable and Bivariate Statistics**
  - Types of Data, Mean, Mode, Median, Range, Dot Plots, Stem-and-Leaf Plots (including Back-to-Back)

#### **Non-completion of Task:**

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or Head Teacher on your return to school. Documentation will be required in both classes.

#### **Plagiarism:**

Plagiarism, the using of the work of others without acknowledgement will incur serious penalties and may result in zero award. Any cheating will also incur penalties.

**Failure to follow the above procedures may result in a zero award.**

**The policies and procedures that are outlined on the ROSA booklet will be followed regarding the non-completion of assessment tasks.**

### **Outcomes Assessed**

**MA5.2-11MG** calculates the surface areas of right prisms, cylinders and related composite solids

**MA5.2-12MG** applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders

**MA5.2-6NA** simplifies algebraic fractions, and expands and factorises quadratic expressions

**MA5.2-7NA** applies index laws to operate with algebraic expressions involving integer indices

**MA5.2-8NA** solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques

**MA5.2-17SP** describes and calculates probabilities in multi-step chance experiments

**MA5.2-15SP** uses quartiles and box plots to compare sets of data, and evaluates sources of data