



# ORANGE HIGH SCHOOL

## ASSESSMENT TASK NOTIFICATION

<b>Subject</b>	Mathematics
<b>Topic</b>	Measurement, Algebraic Expressions & Indices, Probability
<b>Class Teacher</b>	Brown, Sood
<b>Head Teacher</b>	Johnston
<b>Year</b>	10
<b>Date Given</b>	Friday 7 <sup>th</sup> May, 2021
<b>Date Due</b>	<b>Friday 21<sup>st</sup> May, 2021</b>
<b>Weighting</b>	30%

### Assessment Outline

**2 periods (during double) in-class examination**

*Topics assessed:*

Measurement	Algebraic Expressions & Indices	Probability
<ul style="list-style-type: none"><li>• Units of Measurement</li><li>• Significant Figures</li><li>• Scientific Notation</li><li>• Accuracy of Measurement</li><li>• Pythagoras' Theorem</li><li>• Perimeter and Area of Simple Shapes</li><li>• Area of a Circle</li><li>• Area of Composite Shapes</li><li>• Surface area of Prisms and Cylinders</li><li>• Volume of Prisms and Cylinders</li><li>• Volume of Composite Prisms</li></ul>	<ul style="list-style-type: none"><li>• Substitution</li><li>• The Four Operations</li><li>• Expanding and Factorising</li><li>• Adding and Subtracting Algebraic Fractions</li><li>• Brackets</li><li>• Multiplying and Dividing Algebraic Fractions</li><li>• Index Laws including Negative Indices</li></ul>	<ul style="list-style-type: none"><li>• Simple Probability</li><li>• Venn Diagrams</li><li>• Two-Way Tables</li><li>• Mutually Exclusive and Non-Mutually Exclusive</li><li>• Two-Step Experiments</li><li>• Multistep Experiments and Tree Diagrams</li><li>• Dependent and Independent Events</li></ul>

#### **Required equipment**

- Black or Blue pen or pencil
- Calculators are permitted

#### **Course Outcomes:**

MA5.2-11MG calculates the surface area 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

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

MA5.1-13SP calculates relative frequencies to estimate probabilities of simple and compound events.

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

**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 cases.

**Plagiarism:**

Plagiarism, the using of the work of others without acknowledgement, will incur serious penalties and may result in a 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.**