



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Mathematics
Topic	Single Variable and Bivariate Statistics, Equations and Linear Relationships
Class Teacher	Brown, Sood
Head Teacher	Johnston
Year	10 Stage 5.2
Date Given	Thursday 29 th July, 2021
Date Due	Thursday 12 th August, 2021
Weighting	20%

Assessment Outline

1 period in-class examination

Topics assessed

Single Variable and Bivariate Statistics

- Types of Data
- Mean, Median, Mode and Range
- Frequency Tables
- Frequency Histograms and Polygons
- Dot Plots and Stem-and-Leaf Plots
- The shape of a Distribution
- Quartiles and Interquartile Range
- Box-and-Whisker Plots
- Scatter Plots
- Bivariate Data involving Time
- Statistics in the Media

Equations and Linear Relationships

- One and Two Step Equations
- Equations with Grouping Symbols
- Equations with Pronumerals on both sides
- Equations with Algebraic Fractions
- Linear Inequalities
- Gradient-Intercept Form
- Distance and Midpoint
- Parallel and Perpendicular Lines
- Simultaneous Equations (elimination and substitution)

Required equipment

- Black or Blue pen or pencil
- Calculators Permitted

Course Outcomes:

Single Variable and Bivariate Statistics

MA5.2-3WM constructs arguments to prove and justify results

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

MA5.2-16SP investigates relationships between two statistical variables, including their relationship over time

Equations and Linear Relationships

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

MA5.1-6NA determines the midpoint, gradient and length of an interval, and graphs linear relationships

MA5.2-9NA uses the gradient-intercept form to interpret and graph linear relationships

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.