Year 10 (2022) MATHEMATICS

Term 3 Stage 5.1/5.2/5.3 Task Notification

Georges River College
Peakhurst Campus

Date	Week 5A: Friday, 19th August, 2022
Weighting	Stage 5.1/2/3 - 20%
Classes Assessed	This assessment is compulsory for:

Period 1		Period 3	
10MATB	Mr Bazzi	10MATR	Mr Smithard
10MATI	Ms Hui	10MATO	Mrs Ibrahim
10MATV	Mr Mansouri	10MATY	Mr Fomin
10MATP	Mrs Attaalla	10MATG	Ms Hui
10MATL	Mrs Keir	10MATC	Mrs Keir

Examination Details	You will be required to sign a Task Notification Log to say that you have received and read this task notification. Please note the following details carefully and write them into your diary. **Duration:** **50 minutes** Format: Calculator Venue: Classrooms
Equipment Required	The following equipment is required for this assessment task: • Blue and/or black pens • Board-approved scientific calculator • Pencil and eraser • Ruler Note: • A reference sheet will be provided. • No phones, notes or borrowing of equipment will be permitted.
Marking Criteria	• All questions should be attempted. • All questions are worth 1 mark unless otherwise indicated. • To obtain full marks, answers must be completely correct and all necessary working must be shown. • Some marks may be awarded for partially correct answers. • Trivial attempts will be counted as a non-attempt and may result in an official warning letter being issued.
Absentee Procedures	If you are absent on the day of this examination, upon your return to school you must present a medical certificate to your class teacher or the head teacher explaining your absence, otherwise a mark of zero may be awarded. You will be required to sit for your examination on the first day you return to school.

Syllabus Outcomes

The following table lists all the Stage 4 and Stage 5 knowledge and numeracy skills that will be assessed in this Common Test.

Strands	Assessment Outcomes
Number and Algebra	Topic: **Linear Relationships** **MA5.1-6NA** Determines the midpoint, gradient and length of an interval, and graphs linear relationships. **MA5.2-5NA** Recognises direct and indirect proportion, and solves problems involving direct proportion (5.2 only). **MA5.2-8NA** Solves linear inequalities using analytical and graphical techniques. **MA5.3-8NA** Uses formulas to find midpoint, gradient and distance on the Cartesian plane, and applies standard forms of the equation of a straight line.
Probability and Statistics	Topic: **Single Variable and Bivariate Statistics** **MA4-19SP** Collects, represents and interprets single sets of data, using appropriate statistical displays **MA4-20SP** Analyses single sets of data using measures of location, and range **MA5.1-12SP** Uses statistical displays to compare sets of data, and evaluates statistical claims made in the media. **MA5.2-15SP** Uses quartiles and box plots to compare sets of data, and evaluates sources of data (5.2 only). **MA5.2-16SP** Investigates relationships between two statistical variables, including their relationship over time.
Measurement And Geometry	Topic: **Geometrical Figures** **MA4-18MG** Identifies and uses angle relationships, including those related to transversals on sets of parallel lines. **MA4-17MG** Classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles. **MA4-16MG** Applies Pythagoras' theorem to calculate side lengths in right-angled triangles, and solves related problems. **MA5.1-11MG** Describes and applies the properties of similar figures and scale drawings.

Working Mathematically 	**MA5.1-1WM** Uses appropriate terminology, diagrams and symbols in mathematical contexts. **MA5.1-2WM** Selects and uses appropriate strategies to solve problems. **MA5.1-3WM** Provides reasoning to support conclusions that are appropriate to the context.
Textbook Chapters	• Cambridge 10: NSW Gold Chapters 4, 5, 6 • Cambridge 10: 5.1 & 5.2 Chapters 5, 6, 7 • Cambridge 10: 5.3 Chapters 4, 5, 6