SUBJECT: Mathematics
YEAR GROUP: 10
TASK TITLE: Term Topic Test

**Name of Unit:** Term Topic Test
**Type of Task:** Test
**Due Date:** Term: 1 Week: 10
**Weight:** 30%

**OUTCOMES ASSESSED**

- MA5.1-8MG calculates the areas of composite shapes, and the surface areas of rectangular and triangular prisms
- MA5.2-11MG calculates the surface areas of right prisms, cylinders and related composite solids
- MA5.3-13MG applies formulas to find the surface areas of right pyramids, right cones, spheres and related composite solids
- MA5.2-12MG applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders
- MA5.3-14MG applies formulas to find the volumes of right pyramids, right cones, spheres and related composite solids
- MA5.1-10MG applies trigonometry, given diagrams, to solve problems, including problems involving angles of elevation and depression
- MA5.2-13MG applies trigonometry to solve problems, including problems involving bearings
- MA5.3-15MG applies Pythagoras' theorem, trigonometric relationships, the sine rule, the cosine rule and the area rule to solve problems, including problems involving three dimensions

**DESCRIPTION OF ACTIVITIES**

- It is a requirement for all students in Year 10 to complete the Term One Topic Test
- If a student is absent on the date above, they will be required to complete an Illness and Misadventure Form. This form can be downloaded from the school website. Students will also need to attach a Doctor’s certificate to the form and report to Ms Wilks (Teaching and Learning Coordinator - Mathematics) the day they return to school.
- Students must be prepared to complete the task immediately upon their return to school.
- It is the student’s responsibility to prepare for the task. Calculators must be supplied by the student. NO CALCULATORS will be supplied to students on the day of the examination.
- If students fail to comply with the above, parents will be contacted. This may result in a Warning Letter home to parents.
- The Term One Topic Test will be one Period in length. Students will answer questions pertaining to the topics listed above. Questions may be in the form of Multiple Choice, True/False and Worked Answers. Student must show all working when required. Multiple Choice and True/False do not require working to be shown. The questions for the task will be structured in the school’s “A”, “B” and “C” format with “A” being easier and the “C” being the most difficult.

If you have any enquires/concerns regarding assessment tasks please contact the relevant Teaching and Learning Coordinator