EVANS RIVER K-12 SCHOOL
COURSE ASSESSMENT

SUBJECT: Mathematics – Year 7

OUTCOMES to be assessed:	
Number:	**Outcome:**
MS 4.1	Uses formula to calculate area of rectangles & triangles

The Task:	**Design a test**
Weighting:	10%
Mark:	**24**
Time Allowed:	**2 weeks**
Due Date:	Term 2 Wk 7- Monday
- Use numbers from your number set	

TASK

Using formulae you have learnt you are to develop a test for Yr 7 students that covers area of triangles & rectangles. The test should contain questions that cover the following

1. area of triangles , rectangles and parallelograms
2. areas of composite shapes
3. finding area of rectangle knowing only total perimeter

EXTENSION

4. converting of area units-
5. show how increasing or decreasing side length affects area

Each question should contain full, neat & well set out working for solution. You may be asked to present 1 question & solution to the class

MARKING SCHEME:
Your responses will be marked on your ability to meet the criteria/ rubric

Task	excellent	good	satisfactory	minimal
Area of triangles, rectangles & parallelograms	3 different triangles, 2 parallelograms & 2 rectangles, correct working,	example of each shape, correct working	examples of most, working with errors	Example of some, some working
Areas of composite shapes	2 complex examples (contain 3 different shapes). No errors	2 examples (contain 2 shapes) Minimal errors	1 example minimal errors	1 example Some errors
Find area given perimeter	Find 3 different areas for given perimeter. Comment on results	Find 2 different areas for given perimeter.	Find 2 different areas for given perimeter, some errors	Find area given perimeter, with error
Convert area	Uses 4 different shapes, no errors.	Uses 3-4 shapes, minor errors	Uses 2-3 shapes, some errors	1 shape
Changing length	Understand what happens to area when length is changed eg doubled, tripled, halved,	Shows some understanding of effect of changing length on area	Calculate changed area when side is changed	Calculate changed area when side is Changed, with errors
presentation	Neat, all working clear & well set out	Neat, most working included	Some working	Minimal working