THE RIVERS SECONDARY COLLEGE
The heart of secondary education for Lismore

Assessment Task Notification

RICHMOND RIVER HIGH CAMPUS

Task Number	2	**Task Name**	Shapes, Shapes Everywhere
Course	Year 11 Numeracy	**Faculty**	Mathematics
Teacher	Ms Cabot	**Head Teacher**	Ms Humphrys
Issue date	Tuesday (13.05.25) Week	**Due date**	Tuesday (27.05.25) Week 5
Focus (Topic)	*Understanding units of measurement:* UuM6, UuM7, UuM9 *Understanding geometric properties:* UGP6	**Task Weighting**	30%

Outcomes

- identify everyday situations which involve distances, area and volume measures
- explore contexts where estimates of distance, area and volume are appropriate discuss the level of accuracy needed in practical situations
- determine an estimation of a distance, area or volume quantity using an appropriate unit or informal unit of measure

Task description

Shapes are all around us. Everywhere from the circle or cylinder of a wheel, to the triangular roof structures on our homes. In your assessment task you will create frayer models identifying three 2D and three 3D shapes of your choosing. You will then create a shape scavenger hunt finding the 6 shapes you have previously identified. This scavenger hunt will be within the RRHS grounds. In the scavenger hunt you must include directions using estimated distances from the previous location including any left or right turns, and a list of the shapes characteristics.

A classmate will be completing your scavenger hunt, naming and drawing the shape and estimating its area or volume. They will also evaluate the effectiveness of your clues.

Name:

Marking Guidelines

Task	Criteria	Marks
Step 1	**Identify 3 2D shapes.** ● Name/identify. (3) ● Define your shapes. (6) ● List characteristic of your shapes (6) ● Give examples of your shapes. (6) ● Give examples of what isn't this shapes. (6)	/27
Step 2	**Identify 3 3D shapes.** ● Name/ identify. (3) ● Define your shapeS. (6) ● List characteristic of your shapes (6) ● Give examples of your shapes. (6) ● Give examples of what isn't this shapes. (6)	/27
Step 3	**Create your scavenger hunt** ● 6 previously chosen shapes present in scavenger hunt (6) ● Distance estimated and appropriate units utilised (12)	/18
Step 4	**Complete a scavenger hunt.** ● Identify and draw the shape found in a classmates scavenger hunt. (12) ● Estimate the area or volume of the shape found in a classmates scavenger hunt, utilising the appropriate units. (12) ● Give a score up to 6 marks on how useful their directions and descriptions where. (12)	/36
	Total	/108

Name: _____

TERM 1 ASSESSMENT TASK

Data Cycle Assessment Task 1		**Completed**
Step 1:	Identifying 2D shapes	□
Step 2:	Identifying 3D shapes	□
Step 3:	Create a scavenger hunt	□
Step 4:	Complete a scavenger hunt	□

Introduction

Everywhere you travel you estimate the distance between objects. You do this to avoid walking into things, to determine how long it will take to get somewhere, so you are not late and to determine the shortest or quickest route. You do all this without thinking.

Everything around us is composed of shapes, both 2-dimensional and 3-dimensional. Identifying and understanding how these shapes interact can assist you in various professions including construction and design.

In this task you will demonstrate your understanding of various shapes and hone your skills in estimation relating to distance, area and volume.

Step 1: Identifying three 2-dimensional shapes

Choose three 2-dimensional shapes and in a frayer model answer the following questions:

- In your own words define the shape.
- List the characteristics of your shape.
- List examples of this shape in real world situations.
- List examples of what is not this shape and why.

Step 2: Identifying three 3-dimensional shapes

Choose three 3-dimensional shapes and in a frayer model answer the following questions:

- In your own words define the shape.
- List the characteristics of your shape.
- List examples of this shape in real world situations.
- List examples of what is not this shape and why.

Step 3: Create a scavenger hunt

- Use the table attached to create your scavenger hunt. Ensure you include the following elements:
    - Three 2D shapes, Three 3D shapes, (previously identified in step 1 and 2)
    - Directions with estimated distances to each shape.
    - Include relevant units
    - List of characteristics for each shape as a clue.

Step 4: Complete a scavenger hunt

- Complete a classmate's scavenger hunt. Ensure you complete the following elements:
    - Name and draw the shape,
    - Describe the use of the shape,
    - Estimate the areas or volumes,
    - Include relevant units