

Unit 1 – 2D/3D Measurement – Portfolio 3 – Surface Area of 3D Solids

Final date for this Lesson work to be submitted is Monday, September 12, 2011

Layer	Task	Task Notes	Points	Earned
Common Tasks 5 required)	1. Lesson Notes	Participate in and then complete the class worksheet	5 points	
	2. Homework/Classwork Check	Give your classwork/homework to a student with whom you do not normally work. They will check your answers to the textbook questions.	5 points	
	3. Model Building	You will construct nets of three different 3D solids. You will then use each one in a separate CW/HW question to help answer these questions	5 points	
	4. Cylinder Investigation	Build a cylindrical “cup” whose surface area is 100 cm^2 . Show all calculations leading to your design. Determine its volume. No REPEATS allowed.	10 points	
	5. Make a Movie	You will make a video of an explanation of your solution to a homework/task question. Use the white board or notebook in your solution presentation.	5 points	
	6. Peer Tutoring	For any work in the P, M, E layers and Homework, work with another student to correct all questions that are incorrect	5 points	
	7. Oral Defence	I will select a random levelled question from the HW (your choice as to the level of the question) and you will verbally present your complete solution to me	5 points	
Proficiency	Simple Shapes	Complete Textbook Questions: See HW Grid Complete the Worksheet Question	45 pts 10 pts	“B” Level
Mastery	Composite Shapes	Complete Textbook Questions: See HW Grid Complete the Worksheet Question	45 pts 17 pts	“B⁺/A⁻” Level
Expert	Optimization Surface Area and Volume	1. Complete Textbook Questions: See HW Grid 2. Complete the Worksheet Question	45 pts 20 pts	“Studies” Level