

# 3D Design Project

Students will design and build a 3D figure. The figure must have a minimum of 3 of the basic 3D shapes (prism, cylinder, pyramid, cone, sphere). You will need to sketch the idea of the figure then build the figure at home over spring break. Please build it no smaller than a team handball. Once built you will have class time to work on finding the total volume and surface area of the figure. This project is weighted as a test grade. Failure to complete the project on time will result in a zero. The grading rubric is below. EXTRA CREDIT IF ALL 5 SHAPES USED.

	10	8	6	4	2	0
Design	WOW	Cool	ok	Umm...	????	Nothing
Creativity	Unique		ok		Basic	Nothing
Surface Area Calculation	Calculations Shown & Correct		Several Errors		Many Errors/No Work	Nothing
Volume Calculation	Calculations Shown & Correct		Several Errors		Many Errors/No Work	Nothing
Use of time	Always working	Couple Prompts	Worked Half-time	Many Prompts	Never Worked	Nothing
Overall	Perfect	Best	Better	Good	Tried	Nothing
Nothing	Tried	Good	Better	Best	Perfect	Overall
Nothing	Never Worked	Many Prompts	Worked Half-time	Couple Prompts	Always working	Use of time
Nothing	Many Errors/No Work		Several Errors		Calculations Shown & Correct	Volume Calculation
Nothing	Many Errors/No Work		Several Errors		Calculations Shown & Correct	Surface Area Calculation
Nothing	Basic		ok		Unique	Creativity
Nothing	????	Umm...	ok	Cool	WOW	Design
0	2	4	6	8	10	

Students will design and build a 3D figure. The figure must have a minimum of 3 of the basic 3D shapes (prism, cylinder, pyramid, cone, sphere). You will need to sketch the idea of the figure then build the figure at home over spring break. Please build it no smaller than a team handball. Once built you will have class time to work on finding the total volume and surface area of the figure. This project is weighted as a test grade. Failure to complete the project on time will result in a zero. The grading rubric is below. EXTRA CREDIT IF ALL 5 SHAPES USED.

# 3D Design Project