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Honors Math 3 – 3 - D Shape Project Rubric

The goal of this project is to creatively demonstrate how geometric formulas are used in Real – Life problem.

The class will be divided into partner groups of three. Each group will adhere to the "4 C's" – Creativity, Critical Thinking, Collaboration, & Communication" to complete the Lab and the Project.

3 – D Shape Creation Requirements:
1. Create a "Clean and Legal" 3 – D Artistic Design using the 8 – "Nets" provided in class:
   a. Cube, Rectangular Prism, Triangle Prism, Cylinder, Triangle Pyramid, Square Pyramid, Pentagon Pyramid, & Cone. (See website).
   b. Before the Nets are assembled, gather important data on each shape for future calculations.
   c. Determine the Surface Area & Volume of each shape.
   d. Determine the Surface Area & Volume of the finished 3 – D Artistic Design.
   e. Attach an index card to the 3 – D Model with the Title and Group members' Names.
2. Create a Story and Title about the 3 – D Artistic Design.
3. Assemble the Title, Story, Group Member's Names, and a Picture of the finished 3 – D Design in a **Typed 1 – page** document which will be one of the Google Classroom submissions. (No e-mail submissions allowed!)

Grading Scale:
4. Good Luck &
   Have Fun!

20 pts	Surface Area calculations – Nets & 3 – D Design
20 pts	Volume Calculations – Nets & 3 – D Design
20 pts	Creativity, Impressive Quality of work, Design Structure, & Color of the 3 – D Design
10 pts	Title, Story, Group Member's Names, & Class Period
10 pts	Detailed Collaboration Log of each member's work/contributions
10 pts	Google Submissions
<u>10 pts</u>	Promptness (10 pts = on time or 10 pts off for each day late) **Dec 3ʳᵈ**
100 pts	Total Possible Points

Google Classroom Submissions	
1	Collaboration Log on each Group Member
2	3 – D Shape Title, Story picture of 3 – D Artistic Design, and Group Member's Names on a 1 – page Document
3	Surface Area Calculations – Nets & 3 – D Shape
4	Volume Calculations – Nets & 3 – D Shape

Collaboration Log – The 3 Student Logs must be submitted on Google Classroom

Date	Student's Name & Specific Details of Work for the Project

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