

Investigation 2: Everyday Measurements - Rubric

Objective	Beginning 1	Accomplished 2	Exceeded Expectations 3
Handout			
Demonstrates fluency in calculating surface area and volume.			
Adds, subtracts, multiplies, and divides with fluency and accuracy when gathering and analyzing data.			
Chooses an appropriate mathematical process to be used.			
Provides reasoning for the mathematical processes used and decisions made in the investigation.			
Summary			
Provides evidence to support reasoning.			
Writes in complete sentences.			

Standards Covered:

Math Standards:

- CCSS.Math.Content.7.G.B.6 Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.
- CCSS.Math.Content.7.NS.A.3 Solve real-world and mathematical problems involving the four operations with rational numbers.

Math Practices:

1. Make sense of problems and persevere in solving them.
2. Model with mathematics.
3. Use appropriate tools strategically.
4. Attend to precision.

Science Standards:

- SC.6.N.1.4: Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

English Standards:

- CCSS.ELA-Literacy.SL.7.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 7 topics, texts, and issues, building on others' ideas and expressing their own clearly.
- CCSS.ELA-Literacy.SL.7.1c Pose questions that elicit elaboration and respond to others' questions and comments with relevant observations and ideas that bring the discussion back on topic as needed.
- CCSS.ELA-Literacy.SL.7.1d Acknowledge new information expressed by others and, when warranted, modify their own views.