

GRASP Assessment

The Assessment that I chose to adapt to fit into the GRASP format is a multiple choice assessment I used to assess our Geometry Unit. It's a twelve question test with 6 medium, 3 High, and 3 low leveled questions.

It covers the following GLE's:

29 - Classify and describe 2D and 3D shapes, 30-Apply similarity, congruence, and symmetry in real life.

33 - Construct and draw rectangles with given dimensions.

36 -Identify and draw segments, rays, and lines that are perpendicular, parallel, and intersecting.

23 -Find the area in square units of a given rectangle (including squares) drawn on a grid or by covering the region with square tiles.

16 -Use number sentences to represent real-life problems involving multiplication and division.

Goal	You were hired to design a park for your neighborhood. Your task is to draw the park using your knowledge of geometry.
Role	You are the lead architect for this project.
Audience	You need to convince the children in the neighborhood that your design is the best by making it look fun and including the best shapes and labeling them so that they know that you know what you are doing.
Situation	Your challenge is to draw the equipment using only the geometric figures that you find in your table tub. You must also label the geometric figures you use to make the things you choose to put in your park.
Product, Performance, & Purpose	Your park must be surrounded by a rectangular fence that has at least an area of at least 70 inches. You have to include at least 5, 2D figures and 5 3D figures. Because there are so many children, there need to be items that are congruent and similar. There should be at least 1 line of symmetry, set of perpendicular lines, parallel lines, and intersecting lines on the playground. Be able to explain the equipment that you choose to include as well as tell why. Remember to label every item you draw using its correct geometric figure.
Standards and Criteria for Success	Your product will first be judged by your classmates and then it may be submitted to the park planning committee. If you have correctly labeled all of the equipment, included all of the components listed above, and can explain your design to your peers, your project can be considered for creation (A). A rubric will be used to determine your letter grade.

The GRASP format seems to allow the students an opportunity to be creative. This is a more authentic assessment and the students have multiple ways of showing their understanding of the content. This can also be differentiated by limited some of the requirements. The finished product can still indicate the students' strengths and weaknesses. I believe the students would enjoy pitching their ideas to the group.