

## Rubrics

### Level 4

- Student understands that math is a useful and vital tool in the science world.
- Student understands the terms compass and pacing, and can utilize both to get from point A to point B.
- Student understands what population sampling, population density, and diversity are and why they are important.
- Student understands that volume is a cubic measurement and to calculate volume all measurements must be in the same units.

### Level 3

- Student understands that math is a useful and vital tool in the science world.
- Student understands the terms compass and pacing, but may have trouble with one of them in getting from point A to point B.
- Student knows the term population sampling, population density, and diversity, but may not be able to say why they are important.
- Student understands that volume is a cubic measurement but may not be able to calculate volume or understand units.

### Level 2

- Student knows that math is useful in science.
- Student knows what a compass is but cannot use it to navigate and has trouble determining number of paces.
- Student can define diversity and density but is not sure why it is important or what population sampling involves.
- Student understands what volume is but does not understand cubic measurement.

### Level 1

- Student thinks math is useful but is not sure why.
- Student has seen a compass but is unsure how to use it
- Student knows what a population is but has problems understanding diversity and density.