

## Green and Clean Landscaping: *Rubric*

Rubric Criteria	Level 4	Level 3	Level 2	Level 1	Below level 1
<p><b>Knowledge &amp; Understanding</b> -Understanding of Conversion</p> <p>- Understanding of area and volume calculations</p>	<p>-demonstrates a thorough understanding of conversion calculations</p> <p>- demonstrates a thorough ability to perform area and volume calculations</p>	<p>-demonstrates a strong understanding of conversion calculations</p> <p>- demonstrates a strong ability to perform area and volume calculations</p>	<p>-demonstrates considerable understanding of conversion calculations</p> <p>- demonstrates considerable ability to perform area and volume calculations</p>	<p>- demonstrates some understanding of conversion calculations</p> <p>- demonstrates some ability to perform area and volume calculations</p>	<p>- demonstrates limited understanding of conversion calculations</p> <p>- demonstrates limited ability to perform area and volume calculations</p>
<p><b>Thinking &amp; Inquiry</b> - ability to solve geometric problems related to the landscape layout design</p>	<p>- demonstrates a thorough ability to solve geometric problems</p>	<p>- demonstrates a strong ability to solve budgetary problems</p>	<p>- demonstrates a considerable ability to solve budgetary problems</p>	<p>- demonstrates some ability to solve budgetary problems</p>	<p>- demonstrates limited ability to solve budgetary problems</p>
<p><b>Application</b> -ability to apply mathematics to generate amounts needed in materials list</p> <p>-ability to use trigonometry to calculate the angle of incline for stair and wall design</p>	<p>- demonstrates thorough apply mathematics in materials list</p> <p>-demonstrates thorough ability to apply trigonometry to stair and wall design</p>	<p>- demonstrates a strong ability to apply mathematics in materials list</p> <p>- demonstrates a strong ability to apply trigonometry to stair and wall design</p>	<p>- demonstrates considerable ability to apply mathematics in materials list</p> <p>- demonstrates considerable ability to apply trigonometry to stair and wall design</p>	<p>- demonstrates some application of mathematics in materials list</p> <p>- demonstrates some ability to apply trigonometry to stair and wall design</p>	<p>- demonstrates limited ability to apply mathematics in materials list</p> <p>- demonstrates limited ability to apply trigonometry to stair and wall design</p>
<p><b>Communication</b> -correct use of mathematical symbols, labels, sketches and conventions</p>	<p>- mathematical terminology, symbols, and visuals are used effectively and efficiently throughout all solutions and explanations</p>	<p>- mathematical terminology, symbols, and visuals are used on a regular basis to support solutions and explanations</p>	<p>-some mathematical terminology, symbols and visuals are missing</p>	<p>- mathematical terminology, symbols and visuals are used occasionally</p>	<p>-mathematical terminology, symbols, and visuals are clearly lacking</p>