

Any standard **highlighted in yellow** has been determined by our WCSD teachers, district and state experts as essential for students to master.

<b>Strand 10.G.GMD: I can explain volume formulas and use them to solve problems (Standards G.GMD.1,3).</b>			
<b>Standard 10.G.GMD.1: I can give an informal argument for the formulas for the circumference of a circle, area of a circle, volume of a cylinder, pyramid, and cone.</b>			
<p><b>Learning Targets</b></p> <ul style="list-style-type: none"> <li>I can use informal arguments for area formulas can make use of the way in which area scale under similarity transformations.</li> <li>I can show when one figure in the plane results from another by applying a similarity transformation with scale factor k.</li> </ul>	<p><b>Academic Vocabulary &amp; Notation</b></p> <ul style="list-style-type: none"> <li>formula, circumference, circle, area of a circle, volume of a cylinder, pyramid, cone, area scale, similarity transformation, dissection arguments, Cavalieri's principle</li> </ul>	<p><b>Question Stems</b></p> <ul style="list-style-type: none"> <li>I could make this clearer by using _____ because_____.</li> </ul>	<p><b>Possible Assessments</b></p> <ul style="list-style-type: none"> <li><u>District CFAs</u></li> </ul>
<b>Standard 10.G.GMD.3: I can use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.</b>			
<p><b>Learning Targets</b></p> <ul style="list-style-type: none"> <li>I can use informal arguments for volume formulas in which volume scale under similarity transformations.</li> </ul>	<p><b>Academic Vocabulary &amp; Notation</b></p> <ul style="list-style-type: none"> <li>cylinders, pyramids, cones, spheres, volume formulas, similarity transformations</li> </ul>	<p><b>Question Stems</b></p> <ul style="list-style-type: none"> <li>What changes did you have to make to solve the problem?</li> </ul>	<p><b>Possible Assessments</b></p> <ul style="list-style-type: none"> <li><u>District CFAs</u></li> </ul>