

**Master 6.1**

**Unit Rubric: Geometry**

	<b>Beginning</b>	<b>Acceptable</b>	<b>Proficient</b>	<b>Mastery</b>
<b>Conceptual understanding</b>				
Shows understanding by explaining and/or demonstrating: - how a skeleton relates to its 3-D object - attributes of 3-D objects and polygons	may be unable to demonstrate or explain: - relation of skeleton to 3-D object - attributes of 3-D objects - attributes of polygons	partially able to demonstrate or explain: - relation of skeleton to 3-D object - attributes of 3-D objects - attributes of polygons	able to demonstrate and explain: - relation of skeleton to 3-D object - attributes of 3-D objects - attributes of polygons	in various contexts, appropriately demonstrates and explains: - relation of skeleton to 3-D object - attributes of 3-D objects - attributes of polygons
<b>Procedural knowledge</b>				
Accurately describes 3-D objects in terms of their numbers of faces, edges, vertices - Classifies polygons by number of sides including triangles, quadrilaterals, pentagons, hexagons, octagons - Compares orientation and dimensions of polygons	limited accuracy; often makes major errors/omissions in: - identifying and describing attributes of 3-D objects - classifying polygons by number of sides - comparing orientation and dimensions of polygons	partially accurate; makes frequent minor errors/ omissions in: - identifying and describing attributes of 3-D objects - classifying polygons by number of sides - comparing orientation and dimensions of polygons	generally accurate; makes few errors/ omissions in: - identifying and describing attributes of 3-D objects - classifying polygons by number of sides - comparing orientation and dimensions of polygons	accurate; rarely make errors/omissions in: - identifying and describing attributes of 3-D objects - classifying polygons by number of sides - comparing orientation and dimensions of polygons
<b>Problem-solving skills</b>				
Selects and uses appropriate strategies to solve problems involving 3-D objects, polygons, and their attributes	does not select and use appropriate strategies to solve problems successfully	with limited help, selects and uses some strategies to solve problems with partial success	selects and uses appropriate strategies to solve problems successfully	selects and uses appropriate strategies to solve problems with a high degree of success
<b>Communication</b>				
Records and explains reasoning and procedures clearly and completely, including appropriate terminology	does not record and explain reasoning and procedures clearly and completely	records and explains reasoning and procedures with partial clarity; may be incomplete	records and explains reasoning and procedures clearly and completely	records and explains reasoning and procedures with precision and thoroughness