

## Scale Model Rubric

CCLS	Concepts	Exceeding Standard 4	Meeting Standard 3	Approaching Standard 2	Below Standard 1
NA	<b>Plans</b> (1 per group)	<ul style="list-style-type: none"> <li>Plans are detailed and precise, well-labeled with all measurements included. Plans resemble architectural drawings.</li> </ul>	<ul style="list-style-type: none"> <li>Plans accurately depict the dimensions of the building.</li> <li>Plans are at a scale of 1 foot = <math>\frac{1}{12}</math> inch and labeled clearly.</li> </ul>	<ul style="list-style-type: none"> <li>Plans are complete but inaccurate or not created at the appropriate scale.</li> </ul>	<ul style="list-style-type: none"> <li>Plans are incomplete, inaccurate and not created at the appropriate scale.</li> </ul>
NA	<b>Model</b> (1 per group)	<ul style="list-style-type: none"> <li>Model is accurate and precise with respect to the plans, and looks like a professional quality model.</li> </ul>	<ul style="list-style-type: none"> <li>Model accurately follows the dimensions detailed in the plans.</li> <li>Model is done with quality and resembles the actual building.</li> </ul>	<ul style="list-style-type: none"> <li>Model doesn't match the plans.</li> <li>Model is sloppy and may not resemble the actual building.</li> </ul>	<ul style="list-style-type: none"> <li>Model is incomplete, sloppy and does not resemble the actual building.</li> </ul>
NA	<b>Project Overview</b> (1 per group)	<ul style="list-style-type: none"> <li>Written description includes additional details and measurements, and additional mathematical concepts including the cubic area (the area of the space inside each floor and the whole building).</li> </ul>	<ul style="list-style-type: none"> <li>Project includes a 1-2 page typed description of the project, how ratios and proportions were used in this project and other math.</li> <li>Description includes a table detailing calculations of perimeter and area of the floors of the building.</li> </ul>	<ul style="list-style-type: none"> <li>Project description is less than one page</li> <li>Description lacks detail or is missing math vocabulary.</li> <li>Description does not include perimeter and area of the floor for the whole building.</li> </ul>	<ul style="list-style-type: none"> <li>Project does not include any attempt at a project overview/description.</li> </ul>
NA	<b>Math Reflections</b> (individual)	<ul style="list-style-type: none"> <li>Reflections are written after <i>each work period</i> and are descriptive accounts of : 1) what student did in class, and 2) what they learned from day's activity.</li> </ul>	<ul style="list-style-type: none"> <li>Reflections are written after <i>each work period</i> and are <i>somewhat</i> descriptive accounts of : 1) what student did in class, and 2) what they learned from day's activity.</li> </ul>	<ul style="list-style-type: none"> <li>Reflections are written after <i>most work periods</i> and are <i>somewhat</i> descriptive accounts of : 1) what student did in class, and 2) what they learned from day's activity.</li> </ul>	<ul style="list-style-type: none"> <li>Reflections are <i>written sporadically</i> or aren't descriptive accounts of : 1) what student did in class, and 2) what they learned from day's activity.</li> </ul>