

Middle School Science Reporting Rubric – Grade 7

Power Standard	Advanced	Proficient	Basic	Minimal
	Exceeds expectations	Independently meets expectations	With teacher support	Extensive teacher support required
Understand how models and graphs represent scientific principles and concepts.	Synthesizes additional information that demonstrates connections and interdependency between models and graphs (compare/contrast, analyze)	Apply information to create a model or graph	Understand the parts of a model or system	Identifies the main parts of a model, graph or system.
Use results from investigations to support scientific principles and concepts	<p>Reflect on process/results and propose logical improvements or connections.</p> <p>Interpretation of data supports conclusions and raises new questions or was applied to new context.</p> <p>Transitions between ideas enhance understanding or adds clarity.</p>	<p>Analyze results.</p> <p>Appropriately uses data/results to support conclusions.</p> <p>Logical organization with appropriate transitions between findings.</p>	<p>Summarize results.</p> <p>Use data to draw conclusions.</p> <p>Organized reporting of findings.</p>	<p>Identified results.</p> <p>Recognize the data.</p> <p>Reports findings.</p>
Understand scientific vocabulary	<p>Evaluate connections between vocabulary and scientific concepts.</p> <p>Groups like vocabulary together with a title, explains why and explains differences within the category)</p>	<p>Analyze vocabulary in context.</p> <p>(Groups like vocabulary together with a title and explains why)</p>	<p>Classify vocabulary.</p> <p>(Groups like vocabulary together with a title)</p>	<p>Identifies vocabulary.</p>
Understand the impact of scientific concepts on individuals and the world around them	<p>Demonstrates an understanding of the interdependence of concepts.</p> <p>Defends the interdependence of people and the world around them.</p>	<p>Analyze how individuals impact the environment.</p> <p>Explain cause and effect beyond the obvious or superficial</p>	<p>Understand how individuals impact the environment.</p> <p>Understands cause and effect.</p>	<p>Identify connections between themselves and the world around them</p> <p>Knows what they should or shouldn't do but doesn't know why</p>
Use of scientific tools and technologies	Accurately chooses tools and technologies to gather and analyze data.	Effectively use appropriate tools and technologies to gather and analyze data.	Use appropriate tools and technology to gather data.	Identify appropriate tools and technologies to gather data.