

3rd Grade Benchmarks Science

Level 5 – Student performance exceeds year-end standard

Level 4 – Student performance meets year-end standard

Level 3 – Student performance approaches year-end standard

Level 2 – Student demonstrates limited performance to year-end standard

Level 1 – Student does not yet evidence understanding or application of skills related to year-end standard

NOTE: MPI and MPII performance levels are determined based on performance expectations at the time of reporting

Student Performance Standard – Student	Level 1 Below	Level 2 Limited	Level 3 Approaches	Level 4 Meets	Level 5 Exceeds
Plans and conducts an investigation.	Plans and conducts steps of an investigation with adult support; uses evidence to explain a phenomenon with adult support.	Plans and conducts some steps of an investigation; collects specific observations and measurements; uses specific evidence to explain a phenomenon; actions/responses may be unrelated to investigation.	Plans and conducts an investigation individually; collects some observations and measurements; uses some evidence to explain a phenomenon or test a design solution.	Plans and conducts an investigation collaboratively; collects observations and/or measurements (data) to serve as a basis for evidence; uses evidence to explain a phenomenon or test a design solution.	In addition to Level 4 performance, suggests alternative or additional investigations to elicit other data; considers how specific data best explains a phenomenon or best supports a design solution.
Organizes and interprets data.	Represents data in tables and/or graphical displays with adult support; analyzes and interprets data with adult support.	Represents specific data in specific tables; data may be missing or unrelated to investigation; analyzes and interprets specific data; analysis/interpretation may be unrelated to purpose of investigation.	Represents some data in tables and graphical displays; analyzes and interprets some data to make sense of phenomena.	Represents data in tables and/or various graphical displays (bar graphs, pictographs, pie charts) to reveal patterns that indicate relationships; analyzes data and interprets data to make sense of phenomena.	In addition to Level 4 performance, determines best means of displaying data to facilitate analysis; draws from previous learning and background knowledge to inform data analysis and interpretation.
Uses evidence to support an explanation.	Compares arguments with adult support; constructs and supports an argument with adult support.	Compares some arguments based on evidence presented; constructs and supports an argument with specific evidence or data.	Compares arguments based on an evaluation of the evidence presented; constructs and supports an argument with evidence, data or a model.	Compares and refines arguments based on an evaluation of the evidence presented; constructs and/or supports an argument with evidence, data, and/or a model.	In addition to Level 4 performance, considers how specific evidence strengthens or weakens an argument; considers and undertakes

					additional steps to better support an argument.
Evidences understanding of content and concepts.	Demonstrates understanding of specific content and concepts with adult support.	Demonstrates understanding of some content and concepts; understanding may be limited or confused.	Demonstrates understanding of most content and concepts based on unit rubrics and assessments.	Demonstrates understanding of content and concepts based on unit rubrics and assessments.	In addition to Level 4 performance, evidences understanding that exceeds grade level content and concepts.