

Start Strong Science Reporting Performance Level Descriptor

ES Less Support Needed Performance Descriptor

Students at this level demonstrated appropriate understanding of the Elementary School scientific concepts and practices in the three tested content domains: Earth & Space, Life, and Physical Science.

Students at this level are typically able to:

- Predict reasonable outcomes from relevant and testable questions.
- Plan an investigation by evaluating appropriate methods or tools for collecting data while controlling variables.
- Analyze, represent, and interpret data in order to reveal patterns that suggest relationships.
- Develop and/or revise models to describe scientific ideas.
- Construct an explanation using evidence.
- Compare and combine information across texts in order to communicate scientific explanations.
- Construct, support, or evaluate a claim using relevant evidence.

Students at this level will likely need minimal support to learn more advanced concepts and be able to:

- Generate testable questions that include variables.
- Plan and conduct an investigation and compare the data sets from multiple trials.
- Evaluate data to determine if it provides evidence to support scientific claims.
- Organize complex data sets to support conclusions.
- Evaluate/revise/design a model to show cause and effect relationships.
- Use evidence to evaluate and/or refine an explanation of relationships between variables.
- Evaluate information in and across scientific texts.
- Make and/or evaluate a claim using multiple data sets.