

Grade 5 Science ISAT Proficiency Level Descriptors

Advanced

Fifth grade students typically performing at the Advanced level consistently demonstrate the ability to use their understanding of the world around them to solve real-world problems. Students understand how to use multiple observations, data, models, and measurement systems to make predictions and inference during scientific inquiry. Students demonstrate a clear understanding of multiple systems, characteristic differences of matter, basic cell structure, Earth interactions, the rock cycle, complex environmental issues, the relationship between science and technology, and natural resources. Understanding these scientific concepts allows the student to more fully understand the world around them.

Proficient

Fifth grade students typically performing at the Proficient level demonstrate a clear understanding of how the world around them works. Students have an understanding of how to use multiple observations, data, models, and measurement systems to make predictions and inference during scientific inquiry. Students demonstrate a general understanding of simple systems, properties of matter, basic cell structure, Earth interactions, the rock cycle, simple environmental issues, the relationship between science and technology, and natural resources. Understanding these scientific concepts allows the student to more fully understand the world around them.

Basic

Fifth grade students typically performing at the Basic level demonstrate a limited understanding of how the world around them works. Students have a minimal understanding of how to use multiple observations, data, models, and measurement systems to make predictions and inference during scientific inquiry. Students demonstrate a limited understanding of simple systems, properties of matter, basic cell structure, Earth interactions, the rock cycle, basic environmental issues, the relationship between science and technology, and natural resources. Understanding these scientific concepts allows the student to more fully understand the world around them.