

MAP-A Science Achievement Level Descriptors

Grade 5	Science
Below Basic	Student has a minimal understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Characteristics and Interactions of Living Organisms; and Changes in Ecosystems and Interactions of Organisms with Their Environment. Student work evidence may be loosely connected to the strands. Student likely requires extensive verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge and/or application of these concepts.
Basic	Student has a fundamental understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Characteristics and Interactions of Living Organisms; and Changes in Ecosystems and Interactions of Organisms with Their Environment. Student work evidence is somewhat connected to the strands. Student likely requires frequent verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge and/or application of these concepts.
Proficient	Student has a sound understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Characteristics and Interactions of Living Organisms; and Changes in Ecosystems and Interactions of Organisms with Their Environment. Student work evidence is connected to the strands and demonstrates application. Student likely requires some verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge of these concepts.
Advanced	Student has a strong understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Characteristics and Interactions of Living Organisms; and Changes in Ecosystems and Interactions of Organisms with Their Environment. Student work evidence is strongly connected to the strands and demonstrates strong application. Student likely requires minimal verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge of these concepts.

MAP-A Science Achievement Level Descriptors

Grade 8	Science
Below Basic	Student has a minimal understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Properties and Principles of Matter and Energy; and Properties and Principles of Force and Motion. Student work evidence may be loosely connected to the strands. Student likely requires extensive verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge and/or application of these concepts.
Basic	Student has a fundamental understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Properties and Principles of Matter and Energy; and Properties and Principles of Force and Motion. Student work evidence is somewhat connected to the strands. Student likely requires frequent verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge and/or application of these concepts.
Proficient	Student has a sound understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Properties and Principles of Matter and Energy; and Properties and Principles of Force and Motion. Student work evidence is connected to the strands and demonstrates application. Student likely requires some verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge of these concepts.
Advanced	Student has a strong understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Properties and Principles of Matter and Energy; and Properties and Principles of Force and Motion. Student work evidence is strongly connected to the strands and demonstrates strong application. Student likely requires minimal verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge of these concepts.

MAP-A Science Achievement Level Descriptors

Grade 11	Science
Below Basic	Student has a minimal understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Processes and Interactions of the Earth's Systems; and Composition and Structure of the Universe and the Motion of the Objects Within It. Student work evidence may be loosely connected to the strands. Student likely requires extensive verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge and/or application of these concepts.
Basic	Student has a fundamental understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Processes and Interactions of the Earth's Systems; and Composition and Structure of the Universe and the Motion of the Objects Within It. Student work evidence is somewhat connected to the strands. Student likely requires frequent verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge and/or application of these concepts.
Proficient	Student has a sound understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Processes and Interactions of the Earth's Systems; and Composition and Structure of the Universe and the Motion of the Objects Within It. Student work evidence is connected to the strands and demonstrates application. Student likely requires some verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge of these concepts.
Advanced	Student has a strong understanding of the concepts contained in the grade-appropriate APIs within the strands of Scientific Inquiry; Impact of Science, Technology, and Human Activity; Processes and Interactions of the Earth's Systems; and Composition and Structure of the Universe and the Motion of the Objects Within It. Student work evidence is strongly connected to the strands and demonstrates strong application. Student likely requires minimal verbal, visual and/or physical task-specific assistance in order to demonstrate knowledge of these concepts.