Achievement Level Descriptors for Science—Grade 5

Achievement Level I

Students performing at this level do not have sufficient mastery of knowledge and skills in this subject area to be successful at the next grade level.

Students performing at Achievement Level I demonstrate insufficient knowledge and skills in this subject area at grade level. Students demonstrate partial understanding of the diversity within ecosystems, the concept that basic landforms change, weather and climate, and the concepts of force and motion.

Achievement Level II

Students performing at this level demonstrate inconsistent mastery of knowledge and skills in this subject area and are minimally prepared to be successful at the next grade level.

Students performing at Achievement Level II demonstrate emerging knowledge and skills in this subject area and are minimally prepared at grade level. Students demonstrate limited understanding of the relationships within ecosystems, the components of the processes that change basic landforms, some factors influencing weather and climate, and the relationship between force and motion.

Achievement Level III

Students performing at this level consistently demonstrate mastery of grade-level subject matter and skills and are well prepared for the next grade level.

Students performing at Achievement Level III demonstrate grade-level knowledge and skills. Students demonstrate a proficient level of understanding of the interdependence within ecosystems, the processes that change basic landforms, factors influencing weather and climate, and forces and motion in basic technological designs.

Achievement Level IV

Students performing at this level consistently perform in a superior manner clearly beyond that required to be proficient at grade-level work.

Students performing at Achievement Level IV consistently demonstrate skills and knowledge at grade level. Students demonstrate a considerable understanding and evaluation of the interdependence within ecosystems as well as the ability to analyze the relationships within, the processes that change basic landforms while considering possible outcomes, the factors influencing weather and climate as well as interpreting how changes would affect the system, and forces and motion in basic technological designs as well as applying the concepts to possible situations.

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