

SDSA-Alt 5th Grade Achievement Level Descriptors / Performance Level Descriptors

Introducing
A student performing at Introducing has not met most of the fundamental expectations of South Dakota's Science Standards Core Content Connectors at the end of 5th grade. A student at this level can respond to motion, explore different forms of energy, explore different types of physical traits,
Respond to motion
Explore magnetic items
Respond to different forms of energy
Respond to different textures
Respond to illustrations of parents and their offspring
Attend to stimuli of ecosystems
Explore various components of the energy pyramid
Recognize a plant
Explore items related to seasons
Explore climate in area
Explore different types of rock
Explore a map
Respond to the sun
Explore an Earth system
Recognize an Earth resource

Developing
A student performing at Developing has partially met the expectations of South Dakota's Science Standards Core Content Connectors at the end of 5th grade. A student at this level can recognize changes in motion, identify different forms of energy, recognize components of an ecosystem, recognize
Recognize changes in motion
Identify a magnet
Identify different forms of energy
Recognize different properties of an object
Recognize identical physical characteristics of offspring and their parents by visual aids
Recognize the components of the ecosystem
Identify components within the energy pyramid
Identify what plants need to grow
Identify items related to a season
Recognize climate in area
Identify physical features of different types rock
Explore different parts of a map
Identify the sun
Recognize different Earth systems
Identify different Earth resources

Applying
A student performing at Applying has met the expectations of South Dakota's Science Standards Core Content Connectors at the end of 5th grade. A student at this level can identify how forces change motion, recognize an energy conversion, identify that animals rely on plants to survive in an ecosystem, recognize that plants need material from air
Identify how forces change motion
Recognize how magnetic interactions can change (poles)
Recognize an energy conversion
Identify different properties of an object
Identify pictures of offspring and their parents
Identify that animals rely on plants to survive in the ecosystem
Recognize that living things rely on each other within the energy pyramid
Recognize that plants need material from air and water to grow
Recognize how humans react to seasonal changes
Identify climates in nearby areas
Identify rock formations
Identify land and water on a map
Identify that the sun is a star
Identify Earth's major systems
Identify ways people can protect Earth resources and environment

Advancing
A student performing at Advancing exceeds the expectations of South Dakota's Science Standards Core Content Connectors at the end of 5th grade. A student at this level can recognize how distance between objects affects the strength of force, demonstrate how energy can be converted from one form to another, recognize that offspring resemble
Demonstrate how forces determine motion
Recognize how distance between objects can affect the strength of force
Demonstrate how energy can be converted from one form to another
Classify materials by physical properties
Recognize how offspring resemble their parents
Identify parts of an ecosystem
Identify an energy pyramid
Identify the main materials plants need from air and water to grow
Recognize how living things react to seasonal changes
Identify world climates
Recognize that rock formations change over time
Use a map to locate different land and water features on Earth
Recognize that sun is brighter than other stars because it is closest to Earth
Demonstrate how Earth's systems can interact
Demonstrate how people can protect Earth resources and environment