Students demonstrate science concepts and skills aligned to the Grade Level Expectations and Extended Evidence Outcomes contained in the Colorado Academic Standards.

With appropriate support, Advanced students can typically:
- Predict the direction or relative speed of an object as a result of an unbalanced force
- Group items based on physical properties
- Identify products in a chemical reaction
- Determine types of energy associated with common objects
- Compare characteristics of different types of animals
- Recognize how cells group together and how body systems work together
- Recognize how organism populations have adapted to change
- Identify the factors that affect climate

With appropriate support, At Target students can typically:
- Compare objects and the forces required to move them
- Identify item characteristics as physical or chemical
- Compare elements and compounds
- Identify the chemical reaction in an object that causes an observable change
- Identify an element present in a compound
- Distinguish between different types of energy transformations
- Compare positive and negative effects of human activities on ecosystems
- Compare healthy and unhealthy lifestyle choices
- Distinguish between inherited traits and learned behaviors
- Recognize how the earth has changed over time

With appropriate support, Approaching Target students can typically:
- Identify the fastest object in a group
- Use ratios to determine a type of physical change in a mixture
- Identify chemical reactions in household items and common organisms
- Identify sources of energy
- Identify similarities and differences in parents and children
- List basic needs for space travel
- Identify severe weather conditions and follow a simple action plan for severe weather

With appropriate support, Emerging students can typically:
- Understand that force is required to move
- Identify the result of a chemical reaction
- Identify parts of plant and animal cells
- Recognize how ecosystems are affected by human activities
- Identify different climates
- Match scientific tools to their use in weather and space exploration

An Inconclusive designation is given to students who did not respond to any items on the assessment.