

Alignment with Iowa's Science Standards

This document evaluates the state's Education Standards for Science to determine alignment with content found in Cogno board games. Grades 3-8 were analyzed.



Highlighting Key

Indicates a significant amount of material addresses the standard

Indicates a moderate amount of material is present to develop student understanding of the standard

Iowa Science Content Standards:

- A. Students can understand and apply skills used in scientific inquiry.
- B. Students can understand concepts and relationships in life science.
- C. Students can understand concepts and relationships in Earth/space sciences.
- D. Students can understand concepts and relationships in physical science.

Grades 3-5 Benchmarks:

- A. Students can understand and apply skills used in scientific inquiry.
 - 1. Students can understand and apply the processes and skills of scientific inquiry.
 - 2. Students can analyze and interpret scientific information.
 - 3. Students can understand environmental interaction and adaptation.
- B. Students can understand concepts and relationships in Earth/space sciences.
 - 1. Students can understand ideas about Earth's composition and structure.
 - 2. Students can understand changes in and around Earth.
 - 3. Students can understand concepts relating to the universe.
- C. Students can understand concepts and relationships in physical science.
 - 1. Students can understand and apply concepts related to mechanics, forces, and motion.
 - 2. Students can understand and apply the concept of energy.
 - 3. Students can understand and identify properties and changes of matter.

Grades 6-9 Benchmarks

- A. Students can understand and apply a variety of math concepts.
 - 4. Students can understand and apply concepts of measurement.
- B. Students can understand and apply methods of estimation.
 - 1. Students can understand and apply concepts and procedures of standard rounding, order of magnitude, and number sense.
- C. Students can solve a variety of math problems.
 - 1. Students can solve math problems.
 - 2. Students can understand and apply problem-solving approaches and procedures.
- D. Students can interpret data presented in a variety of ways.
 - 2. Students can interpret data from a variety of sources.

Please note that use of these standards does not imply this state's endorsement of Cogno.