

Selected South Dakota Science Content Standards And More

KINDERGARTEN EARTH/SPACE SCIENCE STANDARDS

3. compare rocks, soil, and sand

FIRST GRADE PHYSICAL SCIENCE STANDARDS

3. create mixtures and separate them based on differences in properties (example: separate rocks and sand using a screen)
17. describe how energy is transferred through a system or cycle (example: an aquarium, terrarium, water cycle)

FIRST GRADE LIFE SCIENCE STANDARDS

1. describe life needs of green plants (example: minerals, air, water, light, and a place to grow)
15. explain what happens when factors are eliminated from plant growth (example: no water, sunshine)

FIRST GRADE EARTH/SPACE SCIENCE STANDARDS

4. describe the effects of weather on the Earth (example: erosion, floods, tornadoes)

FIRST GRADE ECONOMICS STANDARDS

1. describe the differences between human resources (people at work), natural resources (water, soil, wood, coal, etc.), and capital resources (machines, tools, etc.) used to produce goods or services

SECOND GRADE EARTH/SPACE SCIENCE STANDARDS

4. describe how weathering and erosion affect land surfaces

THIRD GRADE LIFE SCIENCE STANDARDS

9. describe ways humans impact air, water, and habitat quality

THIRD GRADE EARTH/SPACE SCIENCE STANDARDS

1. describe the major components of soil, its origin, and its importance to plants and animals

THIRD GRADE GEOGRAPHY STANDARDS

1. integrate the study of communities through map work by identifying, locating, and using map title, map key, compass rose, lines and borders, roads and routes, and objects and symbols

3. construct a map using map key and symbols, map scale, title, compass rose (including intermediate directions), and boundaries

FOURTH GRADE LIFE SCIENCE STANDARDS

8. model the flow of energy through food webs

9. identify habitats and niches

FOURTH GRADE EARTH/SPACE SCIENCE STANDARDS

5. recognize air as a permanent substance that surrounds us, takes up space, and is felt as wind

FOURTH GRADE GEOGRAPHY STANDARDS

3. use appropriate maps for specific purposes, including elevation, land use-resource, road maps and mileage tables, time zones, and migration/movement patterns

4. recognize that longitude and latitude constitute a map grid used in absolute locations

FOURTH GRADE CIVICS STANDARDS

4. identify the South Dakota state flag, song, flower, bird, and nickname (state soil?)

FIFTH GRADE LIFE SCIENCE STANDARDS

10. model the flow of energy in food webs and pyramids

11. recognize that changes in habitat may harm or help organisms (examples: irrigation, land drainage, erosion, earthquakes, fires)

FIFTH GRADE EARTH/SPACE SCIENCE STANDARDS

4. relate natural forces to fast and slow changes in Earth's surface [example: effects of plate tectonics (earthquakes and volcanoes), weathering and erosion]

6. examine topographical maps and explain how they represent landforms

FIFTH GRADE GEOGRAPHY STANDARDS

1. apply longitude and latitude to find absolute locations on a map

2. determine the purpose of and use appropriate maps, including relief, product, road maps and mileage tables, time zones, migration/movement patterns, population, and historical

3. compare maps of different scale

SIXTH GRADE LIFE SCIENCE STANDARDS

12. describe the roles of producers, consumers, and decomposers in a system

13. analyze energy use in food webs and food pyramids

14. model cycles in ecosystems (example: water, carbon dioxide/oxygen, nitrogen)

SEVENTH GRADE LIFE SCIENCE STANDARDS

11. explain different relationships among living organisms (example: competition, symbiosis, producer/consumer/decomposer, predator/prey)

12. investigate interactions among populations in a biological community (example: relationships among producers, consumers, and decomposers in food chains and food webs)

13. model cycles in ecosystems (example: water, carbon dioxide/oxygen, nitrogen)

EIGHTH GRADE LIFE SCIENCE STANDARDS

13. describe ways in which organisms within an ecosystem are dependent on one another and on nonliving components of the environment (example: energy flow in food chains, food webs, and food pyramids)

NINTH GRADE SCIENCE STANDARDS

20. analyze interactions resulting in a flow of energy and matter through a system (example: energy flow in food chains, food webs, and food pyramids; nutrient cycling)