

Planting the Seed Curriculum Alignment

Grades K-5

Kindergarten Curriculum Alignment Science TEKS Knowledge and Skills

1. (A), (C)
2. (A), (C), (D), (E)
3. (A), (B), (C)
4. (A), (B)
5. (A), (B)
6. (A)
7. (A), (B), (C)
8. (A), (B), (C)
9. (B)
10. (A), (B), (C), (D)

Kindergarten Concepts Addressed Science TEKS

- weather
- hand washing
- growing seasons
- natural resource conservation
- sun's energy
- littering
- predicting outcomes
- weather instruments such as rain gauges
- soil particle size
- light energy from the sun
- data recording
- farmers as scientists
- plant needs
- plant characteristics
- plant parts
- traits of parent plants
- plant life cycle
- earth's materials: soil, seeds, organic matter
- investigate and measure
- use of senses in the scientific reasoning

First Grade Curriculum Alignment Science TEKS Knowledge and Skills

1. (A), (C)
2. (A), (C), (D), (E)
3. (B), (C)
4. (A), (B)
5. (A), (B)
6. (A)
7. (A), (B), (C)
8. (A), (C), (D)
9. (A), (C)
10. (A), (B), (C), (D)

First Grade Concepts Addressed Science TEKS

- sunlight is essential to growth
- soil particle sizes
- hand washing
- questioning/predicting in the natural world
- water conservation
- organizing data
- farmer's role as scientists
- parts of a plant
- non-traditional measurement
- wind
- animal traits
- growing season
- predicting plant growth
- natural resources
- communicate observations
- needs of plants
- cattle consume forage=beef
- soil's role in plant health
- livestock characteristics
- life cycle of plants, etc
- measurement
- recycling

Second Grade Curriculum Alignment Science TEKS Knowledge and Skills

1. (A), (C)
2. (A), (B), (C), (D), (E), (F)
3. (A), (B), (C)
4. (A), (B)
5. (A), (B), (D)
6. (A)
7. (A), (B), (C)
8. (A), (B), (C)
9. (A), (B), (C)
10. (A), (B)

Second Grade Concepts Addressed Science TEKS

- hand washing
- classify soil types
- water cycle
- plant needs
- natural resources
- salt water/fresh water
- make predictions
- weather instruments/rain gauges
- soil particle size
- sand/silt/clay=loam
- communicate observations
- describe student's plant growth
- cattle + forage =beef
- graph weather information
- compare and communicate results
- light and heat energy and plant growth
- identify and solve problems
- measurement and recording of plant growth
- data collections
- farmers as scientists
- plant parts and their use
- growing seasons for crops
- light's effect on plants
- water cycle
- organisms and soil
- water as a resource
- plant growth cycles
- animal basic needs

Third Grade Curriculum Alignment Science TEKS Knowledge and Skills

1. (A), (B)
2. (A), (B), (C), (D), (F)
3. (A), (D)
4. (A)
5. (B), (C), (D)
6. (A)
7. (A), (C), (D)
8. (A), (B)
9. (A), (B), (C)
10. (A), (B), (C)

Third Grade Concepts Addressed Science TEKS

- conservation of resources
- use of bar graphs to record data
- observe patterns of growth
- farmer's role as scientists
- solid/liquid/gas of the water cycle
- light/heat energy from the sun
- conserving natural resources
- sun's role in the water cycle
- life cycle of a plant
- cattle+forage=beef
- measure plant growth, collect, and organize data
- hand washing
- critical thinking in scientific observations
- changes in the states of matter
- investigate plant growth
- plant structures
- communicate valid conclusions
- weather instruments such as rain gauges
- mixture-sand, silt, and clay=loam
- soil formation
- water as a resource/irrigation
- role of weather changes in crops
- traits of parent plants
- environments suitable for farming

Fourth Grade Curriculum Alignment Science TEKS Knowledge and Skills

1. (B)
2. (A), (B), (C), (D), (F)
3. (A), (C), (D)
4. (A)
5. (A), (B), (C)
6. (A)
7. (A), (B), (C)
8. (B)
9. (A), (B)
10. (A), (B), (C)

Fourth Grade Concepts Addressed Science TEKS

- conservation of natural resources
- investigate plant growth
- analyze and record data
- water cycle and the states of matter
- cattle+forage=beef
- plant parent's traits
- bar graphs/charts
- investigate growth process of crops/plants
- environments, regions, and food production
- analyze data and identify patterns
- water conservation/irrigation
- observation and measurement
- observations in the natural world
- weather's role
- plant life cycle
- heat and light energy
- soil particle size
- plant parts
- technology in ag.
- food webs
- erosion
- critical thinking

Fifth Grade Curriculum Alignment Science TEKS Knowledge and Skills

1. (B)
2. (A), (B), (C), (D), (F),
3. (D), (A)
4. (A)
5. (A), (C)
6. (A)
7. (B), (D)
8. (A), (B)
9. (B), (D)
10. (A), (B)

Fifth Grade Concepts Addressed Science TEKS

- weather vs. climate
- sand/silt/clay (soil mixture)
- variables in science
- plant structure
- advancements in agriculture
- water cycle and states of matter
- photosynthesis
- plant traits
- analyze and interpret data
- environments and crop production
- conservation of natural resources
- communicate results
- food webs
- farmer's role as scientist
- careers in agriculture
- light and heat energy
- measurement
- fossil remains as fertilizer