

Gateways to Science STAAR® Edition, Kindergarten

TEKS Scientific Processes—Lesson Checklist

| TEKS | | Lessons |
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| K.1A | Identify and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately | 1.1 Safety 6.2 Don't Be a Litterbug |
| K.1B | Discuss the importance of safe practices to keep self and others safe and healthy | 1.1 Safety 6.2 Don't Be a Litterbug |
| K.1C | Demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal | 4.1 Water 6.2 Don't Be a Litterbug! |
| K.2A | Ask questions about organisms, objects, and events observed in the natural world | 1.2 Using Your Senses 5.2 Plant Needs |
| K.2B | Plan and conduct simple descriptive investigations such as ways objects move | 2.2 How Things Move and Where They Go |
| K.2C | Collect data and make observations using simple equipment such as hand lenses, primary balances, and non-standard measurement tools | 1.3 Science Tools 2.1 Investigating Properties |
| K.2D | Record and organize data and observations using pictures, numbers, and words | 2.1 Investigating Properties 2.2 How Things Move and Where They Go 3.2 Weather |
| K.2E | Communicate observations with others about simple descriptive investigations | 2.1 Investigating Properties |
| K.3A | Identify and explain a problem such as the impact of littering on the playground and propose a solution in his/her own words | 4.1 Water 6.2 Don't Be a Litterbug! |
| K.3B | Make predictions based on observable patterns in nature such as the shapes of leaves | 2.3 Size, Mass, and Changes in Temperature 3.2 Weather 3.3 Seasons 5.1 Plant Parts |
| K.3C | Explore that scientists investigate different things in the natural world and use tools to help in their investigations | 1.3 Science Tools |
| K.4A | Collect information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; timing devices, including clocks and timers; non-standard measuring items such as paper clips and clothespins; weather instruments such as demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as terrariums and aquariums | 1.2 Using Your Senses 1.3 Science Tools 3.2 Weather |
| K.4B | Use senses as a tool of observation to identify properties and patterns of organisms, objects, and events in the environment | 1.2 Using Your Senses 2.1 Investigating Properties 4.2 Rocks 5.1 Plant Parts |

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TEKS Science Concepts—Lesson Checklist

| TEKS | Lessons |
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| Matter and Energy | |
| K.5A Observe and record properties of objects, including relative size and mass, such as bigger or smaller and heavier or lighter, shape, color, and texture | 1.2 Using Your Senses 1.3 Science Tools 2.1 Investigating Properties 2.3 Size, Mass, and Changes in Temperature |
| K.5B Observe, record, and discuss how materials can be changed by heating or cooling | 2.3 Size, Mass, and Changes in Temperature |
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| K.6A Use the five senses to explore different forms of energy such as light, heat, and sound | 2.1 Investigating Properties 2.3 Size, Mass, and Changes in Temperature |
| K.6B Explore interactions between magnets and various materials | 1.3 Science Tools |
| K.6C Observe and describe the location of an object in relation to another such as above, below, behind, in front of, and beside | 2.2 How Things Move and Where They Go |
| K.6D Observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow | 2.2 How Things Move and Where They Go |
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| K.7A Observe, describe, compare, and sort rocks by size, shape, color, and texture | 4.2 Rocks |
| K.7B Observe and describe physical properties of natural sources of water, including color and clarity | 4.1 Water |
| K.7C Give examples of ways rocks, soil, and water are useful | 4.1 Water 4.2 Rocks |
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| K.8A Observe and describe weather changes from day to day and over seasons | 3.2 Weather 3.3 Seasons |
| K.8B Identify events that have repeating patterns, including seasons of the year and day and night | 3.1 Day and Night 3.3 Seasons |
| K.8C Observe, describe, and illustrate objects in the sky such as the clouds, Moon, and stars, including the Sun | 3.1 Day and Night 3.2 Weather |

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TEKS Science Concepts—Lesson Checklist

TEKS

Lessons

Organisms and Environments

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| K.9A Differentiate between living and nonliving things based upon whether they have basic needs and produce offspring | 5.1 Plant Parts 5.2 Plant Needs 6.1 Animals |
| K.9B Examine evidence that living organisms have basic needs such as food, water, and shelter for animals and air, water, nutrients, sunlight, and space for plants | 5.2 Plant Needs 6.1 Animals |

Organisms and Environments

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| K.10A Sort plants and animals into groups based on physical characteristics such as color, size, body covering, or leaf shape | 5.1 Plant Parts 6.1 Animals |
| K.10B Identify parts of plants such as roots, stem, and leaves and parts of animals such as head, eyes, and limbs | 5.1 Plant Parts 5.2 Plant Needs 6.1 Animals |
| K.10C Identify ways that young plants resemble the parent plant | 5.1 Plant Parts |
| K.10D Observe changes that are part of a simple life cycle of a plant: seed, seedling, plant, flower, and fruit | 5.2 Plant Needs |