



Curriculum Connection Guide Garden Tours

Guided Garden Tours for students support the Tennessee Curriculum Standards. A variety of grade level expectations will be addressed while students explore and experience the Cheekwood Gardens. This list outlines the content area standards that are highlighted on our grade-appropriate Garden Tours.

Contents

Garden Adventure Tour

Kindergarten	p. 3
1 st	4
2 nd	5
3 rd	6
4 th	7
5 th	8
6 th	9
7 th	10
8 th	11

Garden Passport: International Garden Tour

4 th	12
5 th	14
6 th	15
7 th	16
8 th	17
9 th – 12 th	18

Science

Standard 1 – Cells

GLE 0007.1.1 Recognize that many things are made of parts.

Standard 2 – Interdependence

GLE 0007.2.1 Recognize that some things are living and some are not.

GLE 0007.2.2 Know that people interact with their environment through their senses.

Standard 3 – Flow of Matter and Energy

GLE 0007.3.1 Recognize that living things require water, food, and air.

Standard 4 – Heredity

GLE 0007.4.1 Observe how plants and animals change as they grow.

Standard 5 – Biodiversity and Change

GLE 0007.5.1 Compare the basic features of plants and animals.

Standard 9 – Matter

GLE 0007.9.1 Describe an object by its observable properties.

Standard 10 – Energy

GLE 0007.10.1 Investigate the effects of the sun on a variety of materials.

Language Arts

Standard 1 – Language

GLE 0001.1.2 Employ a variety of strategies to decode words and expand vocabulary.

Standard 2 – Communication

GLE 0001.2.1 Develop critical listening skills essential for comprehension, problem solving, and task completion.

GLE 0001.2.2 Develop critical speaking skills essential for effective communication.

Science

Standard 1 – Cells

- GLE 0107.1.1 Recognize that living things have parts that work together.
- GLE 0107.1.2 Use tools to examine major body parts and plant structures.

Standard 2 – Interdependence

- GLE 0107.2.1 Distinguish between living and non-living things in the environment.

Standard 3 – Flow of Matter and Energy

- GLE 0107.3.1 Recognize that plants and animals are living things that grow and change over time.

Standard 7 – The Earth

- GLE0107.7.1 Realize that water, rocks, soil, living organisms, and man-made objects make up the earth's surface.

Standard 9 – Matter

- GLE 0107.9.1 Classify objects according to their physical properties.

Standard 10 – Energy

- GLE 0107.10.1 Investigate the effects of the sun on land, water, and air.

Language Arts

Standard 1 – Language

- GLE 0101.1.2 Employ a variety of strategies to decode words and expand vocabulary.

Standard 2 – Communication

- GLE 0101.2.1 Develop critical listening skills essential for comprehension, problem solving, and task completion.
- GLE 0101.2.2 Develop critical speaking skills essential for effective communication.

Standard 5 – Logic

- GLE 0101.5.3 Make inferences and draw appropriate conclusions.

Science

Standard 1 – Cells

GLE 0207.1.1 Recognize that plants and animals are made up of smaller parts and use food, water, and air to survive.

Standard 2 – Interdependence

GLE 0207.2.1 Investigate the habitats of different kinds of local plants and animals.

GLE 0207.2.2 Investigate living things found in different places.

GLE 0207.2.3 Identify basic ways that plants and animals depend on each other.

Standard 3 – Flow of Matter and Energy

GLE 0207.3.1 Recognize that animals eat plants or other animals for food.

Standard 9 – Matter

GLE 0207.9.1 Use tools to observe the physical properties of objects.

Standard 10 – Energy

GLE 0207.10.1 Explain why the sun is the primary source of the earth’s energy.

Standard 12 – Forces in Nature

GLE 0207.12.2 Realize that things fall toward the ground unless something holds them up.

Language Arts

Standard 1 – Language

GLE 0201.1.2 Employ a variety of strategies to decode words and expand vocabulary.

Standard 2 – Communication

GLE 0201.2.1 Develop critical listening skills essential for comprehension, problem solving, and task completion.

GLE 0201.2.2 Develop critical speaking skills essential for effective communication.

Standard 5 – Logic

GLE 0201.5.1 Continue to develop the ability to think logically.

GLE 0201.5.2 Apply logic in a variety of ways.

GLE 0201.5.3 Make inferences and draw appropriate conclusions.

Science

Standard 1 – Cells

GLE 0307.1.1 Use magnifiers to make observations of specific plant and body parts and describe their functions.

Standard 2 – Interdependence

GLE 0307.2.1 Categorize things as living or non-living.

Standard 3 – Heredity

GLE 0307.4.1 Identify the different life stages through which plants and animals pass.

Standard 5 – Biodiversity and Change

GLE 0307.5.1 Explore the relationship between an organism’s characteristics and its ability to survive in a particular environment.

Standard 7 – The Earth

GLE 0307.7.3 Distinguish between natural and manmade objects.

Language Arts

Standard 1 – Language

GLE 0301.1.2 Demonstrate knowledge of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

GLE 0301.2.1 Continue to develop basic listening skills necessary for communication.

GLE 0301.2.2 Continue to develop basic speaking skills necessary for communication.

Standard 5 – Logic

GLE 0301.5.1 Develop logic skills to enhance thoughtful reasoning and to facilitate learning.

GLE 0301.5.2 Use learned logic skills to make inferences and draw conclusions in a variety of oral and written contexts.

Science

Standard 2 – Interdependence

GLE 0407.2.1 Analyze the effects of changes in the environment on the stability of an ecosystem.

Standard 3 – Flow of Matter and Energy

GLE 0407.3.1 Demonstrate that plants require light energy to grow and survive.

GLE 0407.3.2 Investigate different ways that organisms meet their energy needs.

Standard 4 – Heredity

GLE 0407.4.1 Recognize the relationship between reproduction and the continuation of a species.

Standard 5 – Biodiversity and Change

GLE 0407.5.1 Analyze physical and behavioral adaptations that enable organisms to survive in their environment.

GLE 0407.5.2 Describe how environmental changes caused the extinction of various plant and animal species.

Standard 8 – The Atmosphere

GLE 0407.8.1 Recognize the major components of the water cycle.

Language Arts

Standard 1 – Language

GLE 0401.1.2 Demonstrate knowledge of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

GLE 0401.2.1 Continue to develop oral language skills necessary for communication.

GLE 0401.2.2 Continue to develop listening skills necessary for communication.

Standard 5 – Logic

GLE 0401.5.1 Continue to develop logic skills to facilitate learning and to enhance thoughtful reasoning.

GLE 0401.5.2 Use logic to make inferences and draw conclusions in a variety of oral and written contexts.

Science

Standard 1 – Cells

GLE 0507.1.1 Distinguish between the basic structures and functions of plant and animal cells.

Standard 3 – Flow of Matter and Energy

GLE 0507.3.1 Demonstrate how all living things rely on the process of photosynthesis to obtain energy.

Language Arts

Standard 1 – Language

GLE 0501.1.2 Demonstrate knowledge of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

GLE 0501.2.1 Continue to develop critical listening skills necessary for comprehension and task completion.

GLE 0501.2.2 Continue to develop strategies for expressing thoughts and ideas clearly and effectively.

Standard 5 – Logic

GLE 0501.5.1 Refine logic skills to facilitate learning and to enhance thoughtful reasoning.

GLE 0501.5.2 Use logic to make inferences and to draw conclusions in a variety of oral and written contexts.

Science

Standard 2 – Interdependence

GLE 0607.2.4 Analyze the environments and the interdependence among organisms found in the world's major biomes.

Language Arts

Standard 1 – Language

GLE 0601.1.2 Employ a variety of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

GLE 0601.2.1 Demonstrate critical listening skills essential for comprehension, evaluation, problem solving, and task completion.

GLE 0601.2.6 Understand strategies for expressing ideas clearly and effectively in a variety of oral contexts.

Standard 5 – Logic

GLE 0601.5.1 Use logic to make inferences and draw conclusions in a variety of oral and written contexts.

Science

Standard 3 – Flow of Matter and Energy

GLE 0707.3.2 Investigate the exchange of oxygen and carbon dioxide between living things and the environment.

Standard 4 – Heredity

GLE 0707.4.2 Demonstrate an understanding of sexual reproduction in flowering plants.

Language Arts

Standard 1 – Language

GLE 0701.1.2 Employ a variety of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

GLE 0701.2.1 Demonstrate critical listening skills essential for comprehension, evaluation, problem solving, and task completion.

GLE 0701.2.5 Understand strategies for expressing ideas clearly and effectively in a variety of oral contexts.

Standard 5 – Logic

GLE 0701.5.1 Use logic to make inferences and draw conclusions in a variety of oral and written contexts.

Science

Standard 5 – Biodiversity and Change

- GLE 0807.5.1 Identify various criteria used to classify organisms into groups.
- GLE 0807.5.3 Analyze how structural, behavioral, and physiological adaptations within a population enable it to survive in a given environment.
- GLE 0807.5.5 Describe the importance of maintaining the earth’s biodiversity.

Language Arts

Standard 1 – Language

- GLE 0801.1.2 Employ a variety of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

- GLE 0801.2.1 Demonstrate critical listening skills essential for comprehension, evaluation, problem solving, and task completion.

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Standard 5 – Logic

GLE 0401.5.1 Continue to develop logic skills to facilitate learning and to enhance thoughtful reasoning.

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Social Studies

Standard 1 – Culture

- 1.01 Understand the diversity of human cultures.
- 1.02 Discuss cultures and human patterns of places and regions of the world.
- 1.03 Recognize the contributions of individuals and people of various ethnic, racial, religious, socioeconomic groups to the development of civilizations.

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Standard 5 – Logic

GLE 0601.5.1 Use logic to make inferences and draw conclusions in a variety of oral and written contexts.

*Social Studies***Standard 1 – Culture**

1.01 Understand the nature and complexity of culture.

1.03 Appreciate the relationship between physical environments and culture.

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*Social Studies***Standard 1 – Culture**

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1.03 Identify the role those diverse cultures had on the development of the Americas.

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- GLE 0807.5.3 Analyze how structural, behavioral, and physiological adaptations within a population enable it to survive in a given environment.
- GLE 0807.5.5 Describe the importance of maintaining the earth's biodiversity.

*Language Arts***Standard 1 – Language**

- GLE 0801.1.2 Employ a variety of strategies and resources to determine the definition, pronunciation, and usage of words and phrases.

Standard 2 – Communication

- GLE 0801.2.1 Demonstrate critical listening skills essential for comprehension, evaluation, problem solving, and task completion.

Standard 5 – Logic

- GLE 0801.5.1 Use logic to make inferences and draw conclusions in a variety of oral and written contexts.

*Social Studies***Standard 1 – Culture**

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Science

Course: Biology

Standard 2 – Interdependence

- CLE 3210.2.3 Predict how global climate change, human activity, geologic events, and the introduction of non-native species impact an ecosystem.
- CLE 3210.2.4 Describe the sequence of events associated with biological succession.

Standard 5 – Biodiversity and Change

- CLE 3210.5.1 Associate structural, functional, and behavioral adaptations with the ability of organisms to survive under various environmental conditions.

Course: Environmental Science

Standard 2 – The Living World

- CLE 3260.2.2 Discuss the roles of biodiversity and coevolution in ecosystems.

Language Arts

Course: English I

Standard 1 – Language

- CLE 3001.1.2 Employ a variety of strategies and resources to determine the definition, pronunciation, etymology, spelling, and usage of words and phrases.

Standard 2 – Communication

- CLE 3001.2.1 Demonstrate critical listening skills essential for comprehension, evaluation, problem solving, and task completion.
- CLE 3001.2.5 Understand strategies for expressing ideas clearly and effectively in a variety of oral contexts.

Standard 5 – Logic

- CLE 3001.5.1 Use logic to make inferences and draw conclusions in a variety of challenging oral and written contexts.

Social Studies

Course: Ancient History

Standard 1 – Culture

- 1.1 Understand the relationship between physical environments and culture.
- 1.2 Understand how language, art, music, belief systems, traditions, science, technology, values and behaviors contribute to the development and transmission of culture.
- 1.3 Understand the role that diverse cultures and historical experiences had on the development of the world.