

# A WALK THROUGH TIME IN GEORGIA

## EXHIBIT



A Walk Through Time in Georgia covers topics in earth science, life science, and geography by exploring the geologic and biologic history and diversity of Georgia's natural regions. Topics align with Georgia Standards of Excellence; following are some key correlations between the exhibit and curriculum standards by grade level.

Please contact us at [JustForEducators@FernbankMuseum.org](mailto:JustForEducators@FernbankMuseum.org) if we can help as you integrate NatureQuest into your curriculum.

### Kindergarten

- SKE2. Obtain, evaluate and communicate information to describe the physical attributes of earth materials (soil, rocks, water and air).
- SKL1. Obtain, evaluate and communicate information about how organisms (alive and not alive) and non-living objects are grouped.
- SKL2. Obtain, evaluate and communicate information to compare the similarities and differences in groups of organisms.
- SSKH3 Correctly use words and phrases related to chronology and time. (Note: These elements should be integrated into discussions about historical events and figures.)

### First Grade

- S1E1. Obtain, evaluate and communicate weather data to identify weather patterns
- S1L1. Obtain, evaluate and communicate information about the basic needs of plants and animals.
- SS1G3 Locate major topographical features of the earth's surface.

### Second Grade

- S2L1. Obtain, evaluate and communicate information about the life cycles of different living organisms.
- SS2G1 Locate and compare major topographical features of Georgia and describe how these features define Georgia's surface.

### Third Grade

- S3E1. Obtain, evaluate and communicate information about the physical attributes of rocks and soils.
- S3E2. Obtain, evaluate and communicate information on how fossils provide evidence of past organisms.
- S3L1. Obtain, evaluate and communicate information about the similarities and differences between plants, animals and habitats found within geographic regions (Blue Ridge Mountains, Piedmont, Coastal Plains, Valley and Ridge and Appalachian Plateau) of Georgia.
- SS3G1 Locate major topographical features on a physical map of the United States.

### Fourth Grade

- S4L1. Obtain, evaluate and communicate information about the roles of organisms and the flow of energy within an ecosystem.
- SS4G1 Locate important physical and man-made features in the United States.

### Fifth Grade

- S5E1. Obtain, evaluate and communicate information to identify surface features on the Earth caused by constructive and/or destructive processes.
- S5L1. Obtain, evaluate and communicate information to group organisms using scientific classification procedures.

#### Sixth Grade

- S6E1. Obtain, evaluate and communicate information about current scientific views of the universe and how those views evolved.
- S6E3. Obtain, evaluate and communicate information to recognize the significant role of water in Earth processes.
- S6E5. Obtain, evaluate and communicate information to show how Earth's surface is formed.

#### Seventh Grade

- S7L1. Obtain, evaluate and communicate information to investigate the diversity of living organisms and how they can be compared scientifically.
- S7L4. Obtain, evaluate and communicate information to examine the interdependence of organisms with one another and their environments.
- S7L5. Obtain, evaluate and communicate information from multiple sources to explain the theory of evolution of living organisms through inherited characteristics.

#### Eighth Grade

- SS8G1 Describe Georgia's geography and climate.

#### High School

- SB5. Obtain, evaluate and communicate information to assess the interdependence of all organisms on one another and their environment.
- SB6. Obtain, evaluate and communicate information to assess the theory of evolution.
- SBO1. Obtain, evaluate and communicate information to analyze the nature of the relationships between plant morphological structures and anatomical structures, functions, and processes.
- SBO3. Obtain, evaluate and communicate information to describe Georgia's major physiographic ecoregions, their representative natural plant communities and their conservation.
- SBO5. Obtain, evaluate and communicate information to analyze the diversity of plant adaptations and responses to changing environmental conditions.
- SBO6. Obtain, evaluate and communicate information to analyze the economic and ecological importance of plants in human society.
- SES2. Obtain, evaluate and communicate information to understand how plate tectonics creates certain geologic features, landforms, Earth materials and geologic hazards.
- SES3. Obtain, evaluate and communicate information to explore the actions of water, wind, ice and gravity as they relate to landscape change.
- SES4. Obtain, evaluate and communicate information to understand how rock relationships and fossils are used to reconstruct the Earth's past.
- SES6. Obtain, evaluate and communicate information about how life on Earth responds to and shapes Earth's systems.
- SEC1. Obtain, evaluate and communicate information on how biotic and abiotic factors interact to influence the distribution of species and the diversity of life on Earth.
- SEC3. Obtain, evaluate and communicate information to construct explanations of community interactions.
- SEN1. Obtain, evaluate and communicate information about the roles of insects in ecosystems.
- SEV1. Obtain, evaluate and communicate information to investigate the flow of energy and cycling of matter within an ecosystem.
- SG1. Obtain, evaluate and communicate information to understand the formation of Earth and the evolution of its component systems.
- SG3. Obtain, evaluate and communicate information to explore geologic time.

- SO2. Obtain, evaluate and communicate information about the characteristics, physical features and boundaries of the oceans.
- SO3. Obtain, evaluate and communicate information to model the flow of energy in the ocean.
- SO5. Obtain, evaluate and communicate information on how waves and tides are created and their influence on coastal processes.
- SZ2. Obtain, evaluate and communicate information to explain the evolutionary history of animals over the geological history of Earth.
- SZ3. Obtain, evaluate and communicate information to compare and contrast structure and function of morphological and genetic characteristics across representative taxa.
- SZ4. Obtain, evaluate and communicate information to assess how animals interact with their environment and one another.