

S U P P L E M E N T A L
STEAM-based Environmental Education Classes for
Pre-Kindergarten, Elementary, Middle and High School Students

5 Reasons to Book an Elachee Program

To Schedule: **Visit** www.elachee.org/school-programs **or Call** 770-535-1976

1. Our formats are flexible.

- Choose to visit Elachee or we will bring supplemental programming to your school!
- Pick a grade-level topic.
- Request your preferred date via our online scheduling form or call us. Our team will help you plan your program.

2. Our programs support your work in the classroom by aligning to GSE and AKS expectations.

- Life, Earth, Physical Science and Lake Ecology Curricula
- English Language Arts Curricula

3. Environmental education improves academic achievement.

SOURCE: Weir, Kristen. *Nurtured by Nature*, Vol.51, No. 3, 2020. American Psychological Association.

- **COGNITIVE BENEFITS:** Access to nature and green spaces improves children's working memory, cognitive development and flexibility, and attentional control.

SOURCE: *Benefits of Environmental Education*. NEEF. (N.D.). <https://www.neefusa.org/education/benefits>

- **STUDENT ENGAGEMENT:** Creative discovery and exploration outdoors improves students' learning attitudes, critical thinking skills and develops their confidence to investigate and solve problems.
- **S.T.E.A.M. CAREER INTEREST:** Citizen science and fieldwork increase students' motivation and creativity, resulting in higher levels of achievement.

4. Exposure to greenspace promotes healthy lifestyles.

SOURCE: *Greenspace the Living Legacy*. Vision 2030. (n.d.).

- Contact with nature strengthens a child's body and soul.
- Parks, trails and greenways provide environments for physical activity.
- In students with attention and behavior disorders, contact with nature results in significant improvement.

5. Our programs meet funding requirements.

- Title I, Part A
- Perkins V
- 21st Century Learning Centers
- Title IV, Part A
- ESSER Funding



Elachee's curricula address grade-appropriate life, earth and physical science and English Language Arts concepts. This supplemental instruction enables students to interact with the natural world, while supporting social-emotional learning and the needs of the whole child. Elachee programs support the *Georgia Standards for Excellence (GSE)* and Gwinnett County Schools' *Academic Knowledge & Skills (AKS)*.

GRADE-SPECIFIC TOPICS and FORMATS	FIELD TRIP to ELACHEE	OUTREACH in CLASSROOM	FIELD TRIP to LAKE LANIER
PROGRAMS for PreK-Kindergarten-1ST Grade			
TOPIC: <i>A Sense of Wonder</i> – How Animals Use Their Senses GSE – S1L1, ELAKL4	X		
TOPIC: <i>Green and Growing</i> – Needs, Parts, Life Cycles, Uses of Plants GSE – SKL1, SKL2, S1L1, ELA1L4	X	X	
TOPIC: <i>Wheel of Animals</i> – Learn Facts about Georgia Animals GSE – S1L1, ELAKL4	X	X	
TOPIC: <i>Seeing Stars for Kindergarten</i> – Visit Starlab Planetarium, Use a Telescope, Learn about the Solar System GSE – SKE1, ELAKL4	X	X	
PROGRAMS for Grades 2 and 3			
TOPIC: <i>Elachee Rocks!</i> – Rocks and Minerals of Georgia S3E1, S3E2, ELA3L4	X	X	
TOPIC: <i>Habitat is Home</i> – Georgia's Major Plant and Animal Habitats and Characteristics GSE – S3L1, S3L2, ELA3L4	X	X	
TOPIC: <i>Lessons from the Cherokee</i> – This Native American Tribe's Culture, Contributions and History GSE – SS2H2, SS2G1, SS2G2, ELA2L4	X	X	
TOPIC: <i>Life Cycles</i> – Seasonal Changes of Plants and Life Cycles of Frogs, Honeybees, Butterflies and Animals GSE – S2L1, ELA2L4	X	X	
TOPIC: <i>Seeing Stars for 2nd Grade</i> – Visit Starlab Planetarium, Use a Telescope, Learn about the Solar System and Constellations GSE – S2E1, ELA2L4, S2E2	X	X	
PROGRAMS for Grades 4 and 5			
TOPIC: <i>Eat or Be Eaten</i> – Behaviors/Adaptations of Producers, Consumers and Decomposers in an Ecosystem GSE – S4L1, ELA4L4	X	X	
TOPIC: <i>Exploring the Animal Kingdom</i> – Classify Vertebrate Animals GSE – S5L1a, ELA5L4	X	X	
TOPIC: <i>Lake Lanier Aquatic Study*</i> – Analyze and Study Lake Lanier from a Floating Classroom GSE – S4L1, S5L4, S5P1, S5E1, ELA4L4, ELA5L4			X
TOPIC: <i>Seeing Stars for 4th Grade</i> – Visit Starlab Planetarium, Use a Telescope, Learn about the Solar System and Constellations GSE – S4E1, S4E2, ELA4L4	X	X	
TOPIC: <i>Stream Life</i> – Catch/Classify Aquatic Vertebrates/Invertebrates and Test Stream Health GSE – S4E3, S4L1, S5E1, S5L1, S5P1 ELA4L4, ELA5L4	X		
TOPIC: <i>We All Life Downstream</i> – Community Watersheds GSE – S4L1, S5L4, S5P1, S5E1, ELA4L4, ELA5L4	X	X	
PROGRAMS for Grades 6, 7 and 8			
TOPIC: <i>All About Energy</i> – Understand and Compare Different Forms of Energy GSE – S8P2, ELA8L4	X	X	
TOPIC: <i>Astronomy for Middle Schoolers</i> – Visit Starlab Planetarium, Use a Telescope, Learn about the Solar System and Constellations GSE – S6E1, S6E2, ELA6L4	X	X	
TOPIC: <i>Elachee Rocks!</i> – Study Rock Formations, Rock Cycle, Fossils, Erosion and Deposition GSE – S6E5, ELA6L4	X	X	
TOPIC: <i>Habitats and Adaptations</i> – Behavioral and Structural Ways Plants and Animal Interact with Their Habitats GSE – S7L4, ELA7L4	X	X	
TOPIC: <i>Lake Lanier Aquatic Study*</i> – Analyze and Study Lake Lanier from a Floating Classroom GSE – S6E3, S6E6, S7L4, ELA6L4, ELA7L4, ELA8L4			X
TOPIC: <i>Stream Life</i> – Catch/Classify Aquatic Vertebrates/Invertebrates and Test Stream Health GSE – S7L1, S7L4, ELA6L4, ELA7L4, ELA8L4	X		
TOPIC: <i>Telescopes to Go!</i> – Guided Celestial Tour of the Evening Sky GSE – S6E1, S6E2, ELA6L4		X	
TOPIC: <i>TREE-mendous Trees</i> – Identify Trees Using a Dichotomous Key GSE – S7L1, S7L4, ELA7L4	X	X	
TOPIC: <i>We All Live Downstream</i> – Community Watersheds GSE – S6E3, S6E6, S7L4, ELA6L4, ELA7L4, ELA8L4	X	X	
PROGRAMS for Grades 9–12			
TOPIC: <i>Stream Life</i> – Catch/Classify Aquatic Vertebrates/Invertebrates and Test Stream Health GSE – SEV1-5, ELA9-12L4	X		
TOPIC: <i>Lake Lanier Aquatic Study*</i> – Analyze and Study Lake Lanier from a Floating Classroom GSE – SEV1-5, ELA9-12L4			X
<i>Some topics available as Interactive Distance Learning programs. Contact Registrar 770-535-1976.</i>			

* **Lake Lanier Aquatic Learning Center** programs take place at River Forks Park, 3500 Keith Bridge Road, Gainesville, GA 30504. Elachee Nature Science Center conducts these programs in partnership with Chattahoochee Riverkeeper and Hall County Parks and Leisure Services.