2018 EDUCATORS GUIDE

EXCITE. ENGAGE. EDUCATE.

SPARTANBURG SCIENCE CENTER

Standards Based Discovery and Programming in Science, Technology, Engineering, and Mathematics (STEM)
DEAR EDUCATORS,

In our 40th year of operation, The John F. Green Spartanburg Science Center remains the premier STEM educational resource for educators, parents and students in Spartanburg County. We strive to inspire excitement for science through interactive exhibits, live animals and hands-on programs. Located on the 2nd floor of the Chapman Cultural Center, our museum offers guests of all ages more than 20 exhibits, a live animal room featuring an assortment of reptiles, amphibians, and fish plus a natural science room with a collection of fossils, bones, skulls, rocks and minerals.

Last year, our Educational Director, “Mr. Peter”, Lembcke and the Science Center team conducted over 500 educational programs, which served more than 19,000+ children. The Center’s aim is to provide high quality STEM opportunities to ALL while keeping the cost low. To do this, we rely on our corporate sponsors, community donors and foundation grants. We appreciate the generosity of this great community, especially in this period of great growth for us at the Center.

Our hands-on approach to teaching inspires students from all walks of life to pursue science, technology, engineering and math careers. We take our job as the leading local incubator of tomorrow’s tech workforce very seriously. Please let us know how we can best serve your little learners.

Please call (864) 583-2777 or email us at science@spartanarts.org to schedule your Spartanburg Science Center experience today!

Sincerely,

Jennifer Hoy
Executive Director
The John F. Green Spartanburg Science Center
GRADE LEVELS: KINDERGARTEN TO 8TH GRADE
(high school & adult programming available upon request)

AVAILABLE PROGRAMS:

**Kindergarten:** Animal Encounters, What’s the Matter?, Weather Patterns

**1st Grade:** Star Light Star Bright, It’s a Plant’s Life, What’s on Earth?, Light & Shadow

**2nd Grade:** Animal Environment, Wacky Weather, What’s the Matter?, Move It!

**3rd Grade:** Home Sweet Home, Earth Rocks!, What’s the Matter?, Electricity & Magnetism

**4th Grade:** Light & Sound, Star Light Star Bright, Weather or Not, Growth of Organisms

**5th Grade:** By Land and By Sea, Our Changing Earth, Mix It Up!, Forces & Motion

**6th Grade:** Earth Climate, Energy Conservation, Animal Classification, The Living Plant, Protists & Fungi

**7th Grade:** Living Systems, Heredity, Ecology, Matter Conservation

**8th Grade:** Earth’s Systems & Resources, Earth and Space (can use Star Lab planetarium), Structure & Processes in Earth System, Force & Motion, Waves, Earth’s History, Diversity of Life

*WE ARE ABLE TO CRAFT SPECIFIC PROGRAMMING REQUESTS TO MEET YOUR EDUCATIONAL NEEDS, PROVIDED ADVANCE NOTICE IS RECEIVED AND A MINIMUM OF TWO PROGRAMS ARE BOOKED.*
WATER PROGRAMS:
WATER FOR ALL
LENGTH: 40-45 MINUTES
The water cycle and how rain, surface water and ground water become our drinking water. The program will focus on how our smart use of water ensures that wildlife and forests will have the water they need to thrive.

THE WATER CYCLE
LENGTH: 45-50 MINUTES
Explores different ways in which rain water is harvested such as aquifers and how groundwater and rainwater help recharge our lakes.

STAR LAB PROGRAMS:
The Star Lab shows vivid demonstrations of the night sky. The rotating projector shows the paths of the planets, moon, stars and the sky as the night goes on and seasons change. Star Lab programs may be used to help meet grade level science standards. Length: Minimum of 2 hours. Includes: 30 minutes set-up, 1 hour session, and 30 minutes take-down.
- 20 - 25 students max + 1 adult chaperone

ROOM REQUIREMENTS:
- Room must be a minimum of 11 ft. high, 30 ft. x 30 ft., and must be able to be completely darkened - including the use of blinds if necessary.
- Up to 25 students + 1 teach capacity per session
- Star Lab Fees: $150
- $75 for each additional hour-long program

AVAILABLE STAR LAB PROGRAMS:
- Basic Astronomy
  - Constellations
  - Planets
  - Heavenly Bodies
- Human Cell
- Plate Techtonics
- Ocean Currents

AVAILABLE PROGRAMS:
• Basic Astronomy
• Constellations
• Planets
• Heavenly Bodies
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• Ocean Currents
Tomorrow’s innovators practice imaginative thinking and teamwork. Guided by adult coaches, FIRST LEGO LEAGUE teams research a real-world problem such as food safety, recycling, energy, etc., and are challenged to develop a solution.

It all adds up to tons of fun while they learn to apply science, technology, engineering, and math concepts (STEM), plus a big dose of imagination, to solve a problem. Along their discovery journey, they develop critical thinking and team-building skills, basic STEM applications, and even presentation skills, as they must present their solutions with a dash of creativity to judges.

The Spartanburg Science Center hosts two extracurricular First LEGO (R- registered trademark) League robotics clubs. Both clubs meet on the 2nd and 4th Mondays during the school year. The Jr. FLL Robotics Club is for children ages 6-8 and meets from 4:00-5:30 pm. The Sr. FLL Club is for children 9-12, and meets from 5:00-6:30 pm. 5 year olds are admitted on a case-by-case basis.

TO CHECK AVAILABILITY FOR ENROLLMENT, PLEASE CONTACT THE SPARTANBURG SCIENCE CENTER AT (864) 583-2777 OR EMAIL SCIENCE@SPARTANARTS.ORG.
Through a partnership with the Tyger River Foundation, we are now offering outdoor field trips for nature walks, biology studies, and other outdoor learning. Students of all ages will enjoy this opportunity to experience the beautiful Tyger River at Nesbitt Shoals. Science Center staff and/or our docents will lead these hikes on the Tyger River Foundation property.

For pricing and scheduling requests, please call or email The Science Center at (864) 583-2777 or SCIENCE@SPARTANARTS.ORG.
Providing professional learning activities for teachers is a primary method for reaching our goal to “Excite, Engage, and Educate.” Highly qualified teachers are the primary way to impact our students. Professional learning with the Spartanburg Science Center offers a variety of activities during the summer and the academic year. Our staff excels in demonstrating new, innovative approaches to lessons. Additionally, we always love to participate in STEM nights at local schools, district-wide opening sessions, and other specific events as requested.

For more information or to schedule, email SCIENCE@SPARTANARTS.ORG.
**Program Fees**

Admission to the Science Center
- $5 per person

Program at the Science Center (excluding StarLab)
- $75/50 mins

Program at a local school, facility, etc...
- $110/50 mins

**StarLab Program** (1st program/each add'l at same location)
- $150/$75

School Assemblies (1st Assembly/2 sessions of the same assembly)
- $150/$250

Birthday Parties
- $175 - $250

Summer/Holiday/Teacher Workday Camps
- $120/wk, on avg.

**Travel Fees:** We will travel to locations up to a 2.5 hour drive, if booking multiple programs at that location. There is a fee for out-of-area schools of 85 cents per mile of driving. We use Google Maps to calculate drive times and distances.

We look forward to sharing our love of science with you and your young scientists. To book your visit, please email us at SCIENCE@SPARTANARTS.ORG or leave a message for Mary Levens, our Business Manager, at (864) 583-2777. In your message, please indicate your school/location and preferred date and topic of your program.

**LET’S INSPIRE, ENGAGE, AND EDUCATE TOGETHER!**
SPARTANBURG SCIENCE CENTER SCHEDULING REQUEST FORM

TODAY'S DATE: __/____/_____
DATE OF REQUESTED PROGRAM 1ST CHOICE: __/____/_____
2ND CHOICE: __/____/_____ 
NAME OF SCHOOL OR GROUP: ____________________________________________
NAME OF CONTACT PERSON: ____________________________________________
EMAIL ADDRESS OF CONTACT PERSON: __________________________________
SCHOOL DISTRICT (IF APPLICABLE): ______________________________________
BILLING ADDRESS: _______________________________________________________
       CITY: ___________________________ STATE: _______ ZIP: _______________
PHONE NUMBER FOR CONTACT PERSON: ________________________________
ON-SITE PHONE NUMBER FOR DAY OF QUESTIONS: _______________________
NUMBER OF PROGRAMS TO BE BOOKED: ______
LENGTH OF TIME FOR EACH PROGRAM: _________________________________
START TIME: _________ END TIME: __________
TOPIC: _______________________________________________________________
# OF STUDENTS PER PROGRAM: _________
ROOM NUMBER FOR PROGRAM: _________
ANY SPECIAL INSTRUCTIONS: ____________________________________________
_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

**PLEASE NOTE:** When scheduling multiple classes on the same date, we ask that you provide one dedicated room for our instructor, if possible. He/she will set up in that space, and your classes will rotate in for the program. Science labs, music rooms, etc. are great for this. Please note the special requirements on page 3 for a StarLab program.

PLEASE RETURN COMPLETED FORM TO THE SPARTANBURG SCIENCE CENTER.
200 East St. John Street
Spartanburg, SC 29306
www.science@spartanarts.org
(864) 583-2777

FOR OFFICE USE

DATE RECEIVED: ____________________ CONFIRMATION SENT: ____________________
AMOUNT DUE: ____________________ REMINDER SENT: ____________________
PAYMENT RECEIVED: ____________________
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