

STEMFest 2017

Dream Big!



Roper Mountain
Science Center

2ND
SAT

Second Saturday

Saturday February 11, 9:00am — 3:00pm

RoperMountain.org



SYMMES HALL AREA
AUTOMATIC TACO (11:00AM-UNTIL)
SNOW CASTLE (9:00AM-UNTIL)
CHICK-FIL-A (11:00AM-UNTIL)
HARRISON HALL AREA
TOM'S TASTY CAFÉ (9:00AM-UNTIL)



SYMMES HALL OF SCIENCE

SHUTTLE STOP ③

- Lab 1 — Clemson Imagine:** Build a launcher & design your own game
- Lab 2 — BMW:** Automatic Guided Vehicles and more. See BMW vehicles!
- Lab — 3 AFL:** Explore Fiber Optics at the "Light Island"
- Lab 4 — Michelin:** DREAM BIG with engineers and try the Lego Bridge Challenge
- Lab 7 & 8 — GE and ASME:** Create and build a device to BLAST Off and try the Energy Plinko game
- Lab 10 — Fluor:** Make circuits, polymers, take the bridge design challenge and more

UPPER LOBBY

- **Computer Source:** The latest 3D printing technology. Take home a small 3D print (while supplies last).
- **Maker Pipe:** Create with innovative connectors
- **Greenville Drive:** Enter a drawing for a Family Pack of four tickets and Drive memorabilia. Visit with mascot REEDY RIP'IT between 12:00pm—2:00pm!
- **NEXT High School:** View students' cool tech project

LOWER LOBBY

- **STEAM Tech Teams:** Fly a drone! Try a flight simulator, explore the science of magic, and see how a computer really works
- **Synergy Mill:** Meet Greenville's newest Makerspace

SYMMES AUDITORIUM

- **WHHS Robotics Team:** demonstrations, 10:00am and 11:00am
- **BIG Science Stage Show:** 1:00pm and 2:00pm



WILKINS CONFERENCE CENTER

- **WISE (Women in Science and Engineering):** Build and test windproof and earthquake-proof structures
- **ACE (Architecture, Construction & Engineering) Mentor Program of the Upstate:** Explore architecture through an open spaces design challenge, and learn about Roper Mountain's little known history.



HARRISON HALL OF NATURAL SCIENCE

SHUTTLE STOP ②

- Discovery Room A — SAR Automation:** Make a cardboard robotic arm & see their demonstration robot in action
- Discovery Room B — ECPI University:** Test and drive VEX Robots
- Ecology Lab**
 - **East North Street Academy:** Test your coding skills on an obstacle course using DASH robots.
 - **Wynit:** Check out the mBot, the Alpha 1 Robot and Cubelets.
- Design Lab — Boy Scouts and STEM Scouts:** Explore and test Pinewood Derby car design & build and test Recycled Racers
- Paleo Lab — Upstate SC STEM Collaborative:** Build a water tower, a ping-pong ball launcher or a rain shelter
- Mineral Lab — Enoree Career Center:** Experience virtual reality with Auto Painting VR Simulator
- Central Lobby — Barnes & Noble:** Explore DASH Robot, Utopia VR Headset, Meccanoid robot and more
- Marine Lab and Tropical Rainforest:** Activities ongoing



DANIEL OBSERVATORY

10:00am — 3:00pm -
Safely view the sun (weather permitting)



LIVING HISTORY FARM

SHUTTLE STOP ②

Drone racing with Happy Quads:
Check out the exciting world of drone racing demonstrations, 10:30am — 2:30pm, every half hour
Living History Farm: Activities ongoing

Second Saturday

**Roper Mountain
Science Center**

GREENVILLE COUNTY
SCHOOLS
Where Enlightening Strikes!



- RESTROOMS
- PICNIC AREAS
- NATURE TRAIL
- SHUTTLE STOP
- TREEHOUSE
- WILDWOOD
- BON SECOURS BEWELL TRAIL