



#### **CONTACTS**

#### North Carolina Science Festival

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Marissa Hartzler

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Jeff Hill Sponsorships jeff.hill@unc.edu North Carolina Science Festival is a statewide twoweek celebration of STEM — science, technology, engineering and mathematics — with communitybased events hosted by libraries, parks, colleges, museums and other sites.

Founded in 2010 by Morehead Planetarium and Science Center at the University of North Carolina at Chapel Hill, the Festival has served over 700,000 participants of all ages since its inception. Festival events include expos, science talks, lab tours, nature experiences, exhibits, performances and hands-on activities. These events highlight the educational, cultural and economic impact of STEM in North Carolina.

The Festival is made possible through generous support from leading business and government partners and through the participation of dozens of event hosts across the state.

#### **BOARD OF ADVISORS**

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# By the NUMBERS

### PARTICIPATION BREAKDOWN

Event Attendance 178,576

K-12 Event Attendance 33,425

Star Parties Attendance 3,642 in NC and 258 in SC

Branded Year-Round Program Attendance 9,143

On-air / Online Program participation  $108,\!745$ 

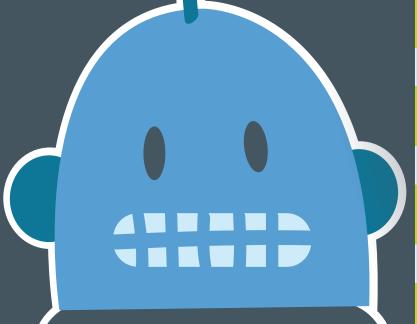
# TOTAL PARTICIPATION

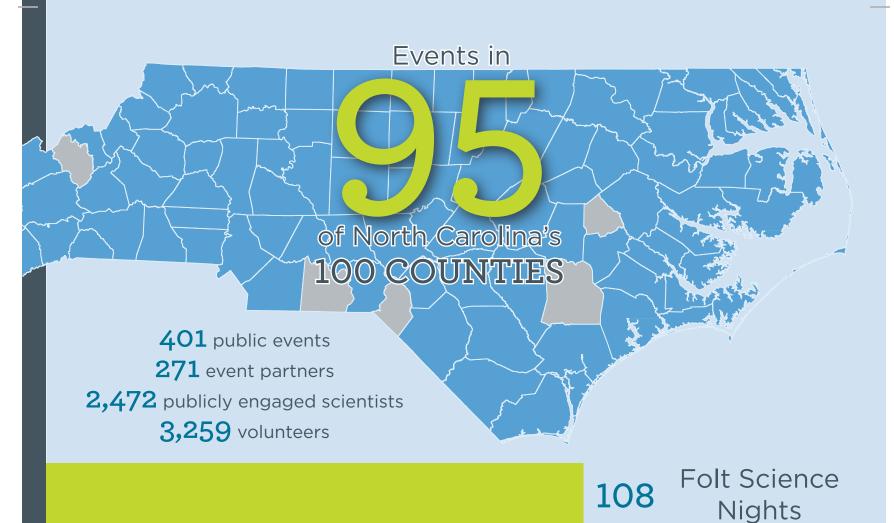
333,789

wildly popular
SPOKESBOT,
now with his own
official fan club

The Kelvin Fan Club added two members in its inaugural year.

BioNetwork Julie Rhodes





55 Invite-A-Scientist

Science Spotlights

## EVENTS HOSTED

NC Gravity Games
Participating Schools

111 Carolina STEM Challenge

17 Event Sponsorships Awarded



North Carolina Science Festival provides curricula and other resources to elementary, middle and high schools for interactive science programs. Folt Science Night (grades K-5), Invite-A-Scientist (grades 6-8) and Science Spotlight (grades 9-12) served 167 schools in 2014.

#### **FOLT SCIENCE NIGHT**

Parents and children celebrated science together at Folt Science Night (FSN) programs for families, hosted for 108 elementary schools across North Carolina. With support from an anonymous donor, 75 of these elementary schools were selected to receive free FSN event kits. Each kit contained supplies for

13 different hands-on science activities and demonstrations — from "Stomp Rockets" to "Garden in a Glove."

#### **INVITE-A-SCIENTIST**

Fifty-five classrooms in 49 middle schools across North Carolina hosted guest scientists for hands-on science activities with students. The scientists volunteered their time to explain how they

prepared for their careers, what they do in a typical day and why their work is important. Invite-A-Scientist sessions helped students understand more about the scientific process and introduced students to new concepts of "what a scientist looks like."

#### **SCIENCE SPOTLIGHT**

This year, North
Carolina Science
Festival introduced
a new initiative
for high schools:
Science Spotlight,
which challenges
students and their
teachers to explore a

current science issue through research and discussion. For 2014, Science Spotlight offered a choice of two current science issues: nuclear energy or fracking. Each class chose an issue, read articles about the issue, considered different viewpoints and held a discussion. Some classes added a teacher-moderated online chat with a scientist. Fourteen classes participated in the pilot Science Spotlight program.



Middle schools and high schools are eligible to participate in special STEM-themed competitions through North Carolina Science Festival. The competitions help teachers and students explore STEM concepts (science, technology, engineering and math), encourage creativity and promote teamwork.

### CAROLINA STEM CHALLENGE

Carolina Biological sponsored the Carolina STEM Challenge and provided kits to 111 classrooms to conduct their own STEM Challenge activities (either the Paint Stirrer Catapult challenge, the Mousetrap Car challenge or the Battery Dilemma challenge). After

completing the STEM challenge activities, teams submitted videos to report their results. Winning teams received Carolina Biological supplies for their classrooms.

### NORTH CAROLINA GRAVITY GAMES

How fast can a gravitypowered, "soapbox derby"-style race car travel? Teams from 30 classrooms received model-size kits to prototype race cars for the North Carolina Gravity Games. Each team tested its prototype and produced a video to report its results, and 10 teams were selected to receive full-size kits to build their race cars. They also received travel stipends to compete in the Gravity Games, held April 5 in Lenoir.

Although North Carolina Science Festival is most visible for two weeks during April, its work continues throughout the year. The Festival works with many organizations to provide support for science at the community level. Some of its work is directly related to Festival events, but the Festival also works with community leaders to include science in policy decisions that affect education, environment and commerce.

### NORTH CAROLINA SCIENCE SUMMIT

North Carolina
Science Summit is a
collaborative effort
by more than 20
organizations with a
shared goal: To make
North Carolina the
"Science State." Its
work is coordinated
by the NC Pathways
Partnership.

In cooperation with North Carolina Science Festival, the Summit hosted regional meetings during late 2013 and early 2014. In April 2014, the Summit hosted its second annual statewide gathering and expanded the footprint of this event through interactive simulcasts in each region.

#### EVENT SPONSORSHIPS

Seventeen event hosts received financial support to present free Festival events through North Carolina Science Festival's new event sponsorship program. The Festival received 31 applications for event sponsorships and chose recipients to expand the Festival's educational value, audiences served and geographic diversity.

The event sponsorships helped event hosts recruit special programming (including guest speakers), purchase materials and supplies, provide resources for volunteers and promote events to larger audiences.



Festival staffers presented live science demonstrations on the south plaza of Raleigh's PNC Arena before Carolina Hurricanes hockey games.



Urban hikers completed the geology-themed Raleigh Rockin' Walkin' Tour (pictured above) and runners raced the Foothills Farmers Market 5K and Farm Tour in Kings Mountain.

MOKIH CAROLIM

MUSEUM OF WATURAL SCIENTS

North Carolina's racing history was reinterpreted by the Gravity Games soapbox-style races in Lenoir and the Zucchini 500 — featuring race car models crafted from fresh vegetables — in Kannapolis (pictured above).



Greensboro's Proehlific Park took a new approach to obstacle courses with the **Mad Scientist Revenge Race** (pictured above).

Morehead Planetarium and Science Center hosted The Science of Sports, a presentation by ESPN Sport Science host and creator John Brenkus (pictured above). Time Warner Cable News, WUNC-TV and WUNC-FM broadcast The Science of Sports content to a statewide audience before the event.

How do astronauts stay fit during space flights? Pisgah Astronomical Research Institute (PARI) in Rosman shared those secrets in its Fit for Space program.

Surfers in Carolina Beach explained Surf-N-Science. Other programs offered on-the-water adventures, too: a canoebased Statewide Star Party at Cliffs of the Neuse State Park and a canoe exploration of High Point City Lake Park.





#### **PUBLIC EVENTS**

# Event Host, City, Event

Events highlighted in green received support through the NC Science Festival Event Sponsorship program.

#### WESTERN

- 1 Appalachian State
  University, Boone, ASU
  STEM Expo; Know Watts
  Cooking: The Science of
  Energy Efficient Cooking;
  Watauga SumoBot
  Competition; Technology
  and Understanding: How
  New Tools Shape Scientific
  Thinking
- **2** Ashe County Homeschool Group, West Jefferson, SciDay: Homeschool Science Fair

- **7** Buncombe County Schools Curriculum Dept., Asheville, Explore the Universe in the GeoDome
- **8** Cleveland Community College, Shelby, NC Manufacturing Awareness Week: Career Day 2014
- **9** Charles D. Owen Middle School, Swannanoa, Science in Action
- **10** Cleveland Community College, *Shelby*, Manufacturing Day at CCC
- 11 Foothills Farmers'
  Market, Kings Mountain,
  Foothills Farmers Market
  Kickoff, 5K and Farm Tour
- **12** Google, Lenoir, NC Gravity Games
- 13 Hands On! A Child's Gallery, Hendersonville, The Nano Science of Camping Gear; Nano Days 2014

- 18 North Carolina Society for Clinical Laboratory Science, Cherokee, Carolinas Clinical Connection: Student Bowl
- **19** Pisgah Astronomical Research Institute, Rosman, Evening at PARI: Fit for Space
- **20** The Children's Playhouse, Boone, Playhouse BuildFest
- 21 The Mountain
  Outreach Office of The
  Science House of NCSU,
  Fletcher, 1st Annual ESTEAM
  FXPO
- **22** The North Carolina Arboretum, Asheville, Mountain Science Expo: JUST DO IT!
- **23 UNC Asheville,** *Asheville,* Solar Observing on the UNC Asheville Quad
- **24** Watauga County Library, Boone, Slime Fest with Gloop, Glarch and Oobleck
- 25 Western Carolina University, Cullowhee, WCU STEAM Expo
- **26 WNC Nature Center,** *Asheville,* Science Stroll: Family Fun and Fitness

#### **GREATER CHARLOTTE**

- **27** Carolina Raptor Center, Huntersville, Young Veterinarians' Day; Spring PhotoWILD
- **28** Carowinds, Charlotte, Carowinds Education Days
- 29 Catawba County Library, Sherrills Ford, The Amazing Chemistry of Dry Ice
- **30** Catawba Science Center, *Hickory*, Catawba Science Center Science Expo
- **31** Central Piedmont Community College, Charlotte, NC Manufacturing Awareness Week: Advanced Manufacturing Day
- **32** Charlotte Preparatory School, Charlotte, Blast Off Rocket Launch
- **33** City of Kannapolis, Kannapolis, Zucchini 500

- **34** Catawba Valley Community College, Hickory, NC Manufacturing Awareness Week: The EXTREME STEM Tour
- **35** Cold Blooded Encounters Inc., *Monroe*, Cold-Blooded Encounters
- **36** Coltrane-Webb STEM Elem. School, *Concord*, Engineering For All
- **37** Concord Branch, Cabarrus County Public Library, Concord, Ocean Explorations; Old Knowledge and New Knowledge with author Robin Sloan
- **38** Discovery Place, Charlotte, Reptile and Amphibian Day; Inside Out: A Day of Dissection; Reptile Fun; A Celebration of the Science of the Very, Very Small; Amphibian Fun; Comet Creations; Big Screen, Big Science; Bird Lore and More
- **39** E-Corps Expeditions, Charlotte, Get STEM-Ed. with E-Corps Expeditions
- **40** Gaston College, Dallas, sciVisit 2014
- **41** Grier Middle 6th Grade Teachers, *Gastonia*, Grier MS 6th Grade STEM Conference
- **42** ImaginOn, Charlotte Mecklenburg Library, Charlotte, Science Family Fun Night
- **43** Kannapolis Branch, Cabarrus County Public Library, Kannapolis, Spy Science; Eggs-perimental Drop Competition; Electrifying Encounters
- **44** Kannapolis City Schools, *Kannapolis*, Keeping Kannapolis Green
- **45** Learn with Laughter, Charlotte, Fun with STEM
- **46** Mitchell Community College, Statesville, NC Manufacturing Awareness Week: Advanced Manufacturing Day
- **47** Project for innovation, Energy & Sustainability (PiES), Davidson, The Green Idea Factory Competition at PiES

Kelvin hanging out with some of the young homeschool scientists at the Ashe County SciDay today.



- **3** Ashe County Public Library, West Jefferson, Animal Circuits; Story Wizards: Working with Clay Animation
- 4 Asheville-Buncombe Technical Community College, Asheville, NC Manufacturing Awareness Week: What Do We Make in a Day
- **5** Bethel Middle School, Waynesville, Science and Community Night
- **6** Blue Ridge Community College, Flat Rock, NC Manufacturing Awareness Week: Experience Blue Ridge

- **14** Heritage Homeschoolers, Linville, 2nd Annual Homeschool Science Fair
- 15 Isothermal Community College, Spindale, Isothermal Science & Technology Expo
- **16** KidSenses Children's InterACTIVE Museum, Rutherfordton, Outer Space Day
- 17 Mayland Community College, Spruce Pine, NC Manufacturing Awareness Week: Advanced Manufacturing Awareness Day





View more photos and videos

48 Rockingham Middle School, Rockingham. Introduction to Science Olympiad!

**49** Rowan-Cabarrus Community College, Kannapolis, Rowan-Cabarrus Community College STEM Open House

50 Schiele Museum of Natural History, Gastonia, The Earth's Greenest Heroes!

51 Spandex City, Charlotte, Science and Superheroes Contest

#### 52 UNC Charlotte,

Charlotte, An Evening with Carl Zimmer, Science Writer; Seeing the World Through Genomics, Panel Discussion featuring Carl Zimmer; Opening of Sustain Me Baby, Art Exhibition; Public Talk with Amy Shira Teitel, Spaceflight Historian; Science Film and Discussion: Contagion; Science Film and Discussion: Invisible Man; UNC Charlotte Science and Technology Expo; Science Film and Discussion: Chasing Ice; Science Film and Discussion: Jurassic Park; Organic Approaches to Solar Energy; Defending Science Education in the Tar Heel State: Architecture and Sustainability; Interactive Computer Systems with Mary Lou Maher

#### PIEDMONT TRIAD

**53** Alamance Community College, Graham, Alamance Community College Open House

**54** Atkins Academic & Technology High School, Winston-Salem, Atkins STEM Careers Fair

**55** Blessed Sacrament School, Burlington, Calling all Vermiculturists to Blessed Sacrament School

**56** Children's Museum of Alamance County, Graham, **Butterfly Festival** 

**57** Children's Museum of Winston-Salem, Winston-Salem, Brain Power Day; Let's Move Monday!

**58** Cline Observatory, Guilford Technical Community College, Jamestown, Transits of Venus Over the Centuries

59 Conservators' Center, Burlington, Twilight and Adventure Tours at the Conservators' Center

60 Elon University, Elon, **Burlington Science Expo** 

61 Emerging Ecology, Inc., Greensboro, Universe Story Walk

**62** Gateway Environmental Initiative, Winston-Salem, Map It!

63 Greensboro Children's Museum, Greensboro, Young Inventor's Fair

**64** Greensboro Science Center, Greensboro, Party for the Planet

65 Guilford College, Greensboro, Guided Hike through Guilford College Woods; Astrophysics: The Cross Link Between Past. Present and Future

66 Harris Educational, Burlington, 3rd Annual Burlington Mini Maker Faire 2014

**67** High Point University School of Education, High Point, STEM in Action: Come Build with Us

**68** Joint School of Nanoscience and Nanoengineering, Greensboro, Gateway to Science

**69** Kathleen Clay Edwards Family Branch Library, Greensboro, Earth Day Celebration

**70** North Carolina Science Olympiad, Greensboro, North Carolina Science Olympiad: Guilford Elementary Tournament

71 North Carolina Society of Clinical Laboratory Science, Winston-Salem, Lab Explorers: A Virtual Hospital Experience; Lab Explorers: H.O.W. Mobile Clinic; Lab Explorers!

72 North Carolina Zoo, Asheboro, Grand Opening of kidZone at the NC Zoo

73 Paul J. Ciener Botanical Garden. Kernersville, Roots of our Nutrition

74 Piedmont Triad Farmers' Market, Colfax, Big Toy Day

**75** Piedmont Environmental Center, High Point, Following Water

76 Proehlific Park, Greensboro, Proehlific Park Science Fair; Mad Scientist Revenge Race

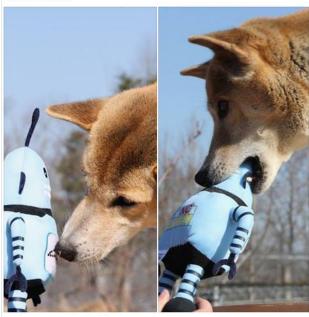
NC Science Festival was mentioned in a post.



Conservators' Center added 2 new photos.

Kelvin knew he needed to get his head in the game to get ready for the NC Science Festival, but this wasn't quite what he had in mind! He learned the hard way that New Guinea singing dogs are exceptionally curious and friendly animals--especially his new buddy, Samara. He also learned that singers have flexible spines, which allow them to maneuver with more dexterity than domestic dogs. They can even climb trees!

If you're a science-lover or an animal-lover (or both), visit www.zerve.com/BeWilderNC to join us with family and friends on a specially themed Adventure or Twilight Tour on April 11, 12, or 13 as part of this two-week-long. 500-mile-wide celebration of science, technology, engineering and mathematics in North Carolina



# 77 Rockingham Community College, Wentworth, NC Manufacturing Awareness Week: Rockingham Career

Manufacturing Awareness Week: Rockingham Career Day 78 SciWorks, Winston-

78 SciWorks, Winston-Salem, SciTech Spring Mini Two-Day Camp; Star Party at SciWorks; Biotechnology Day; NanoDay: The Biggest Event for the Smallest Science; SciFest at SciWorks

**79** Surry Communinty College, Dobson, NC Manufacturing Awareness Week: Advanced Manufacturing Day

80 Tectonic Plates: Alamance County's Science Cafe, Elon, Tectonic Plates: Alamance County's Science Cafe

**81** The HERP Project, Burlington, The HERP Project Celebration

82 Winston-Salem State University Dept. of Mathematics, Winston-Salem, Elementary Mathematics Invitational

#### RESEARCH TRIANGLE

**83** Albemarle Pamlico National Estuary Partnership, Raleigh, The Pocosin Project: a Peek at Pocosins

**84** All About Beer Magazine, Raleigh, The Science of Beer at the World Beer Festival

**85** BioNetwork Capstone Center, *Raleigh*, Free Sci-Fi Film & Mythbusting Session: War of the Worlds

**86** Carolina Brewing Company, Holly Springs, Carolina Brewing Company Tour

**87** Carolina Hurricanes, Raleigh, Carolina Hurricanes South Plaza Party

88 Central Carolina Community College, Sanford, NC Manufacturing Awareness Week: Instructional Day NC Science Festival was mentioned in a post.



With good weekend weather on tap, you'll want to spend some time outdoors. WRAL Go Ask Mom has a guide to the best family friendly fun including NC Science Festival and Sarah P. Duke Gardens: http://www.wral.com/weekend-plans-science-festival-literary-festival-dirt-day-more/13522974/



Weekend Plans: Science Festival, Literary Festival, Dirt Day, more :: WRAL.com

It's another busy weekend of family fun.

WRALTV | BY WRAL

Like - Comment - Share - ₱ 56 ₱ 1 ♣ 13

**89** City of Raleigh Parks, Recreation and Cultural

Resources Dept., Raleigh, Worm Compost Harvest Party; Backyard Composting Workshop

**90** City of Raleigh Solid Waste Services, Raleigh, Recycling Center Tour; Landfill Safari

91 Duke Energy-Harris Energy and Environmental Center, New Hill, Exploring Energy and the Environment

**92** Duke Institute for Brain Sciences, *Durham*, Reading the Past: Mind, Brain and Archaeology

**93** Durham Bulls Baseball Club, *Durham*, Education Day at the Durham Bulls

**94** Durham Technical Community College, Durham, Durham Tech Presents Best-Selling Science Author Mary Roach

**95** Engineering World Health, *Durham*, Designing Medical Equipment for the Developing World

**96** Falls Lake State Recreation Area, Wake Forest, Mudscapes 97 Granville County Library System, South Branch, Creedmoor, Bubble Science; Experiments with Mirrors

in Like Page

**98** Historic Oakwood Cemetery, Raleigh, Cemetery Sleuths: People Are Dying to Try It!

**99** Historic Yates Mill County Park, Raleigh, Simple Machines Field Day at Yates Mill

100 Howell Woods Environmental Learning Center, Four Oaks, Howell Woodstock

101 Institute for Emerging Issues, Raleigh, North Carolina Science Summit

**102** Johnston Community College, Clayton, JCC Family Science Discovery Day

103 Jordan Lake
Environment Education,
Apex, Eagle Watch Boat Tour

104 Marbles Kids
Museum, Raleigh, Leaping
Lemurs!; Spring into
Science!; NanoDays at
Marbles Kids Museum;
Energy Innovators: Green
Energy Workshop; Bubbleology; STEMOSPHERE
Opening Celebration;
Gadgets and Gizmos; Family
Science Fair

105 Morehead
Planetarium and Science
Center, Chapel Hill, Science
on the Sundial; Water in
Our World Exhibit Open
House; STEMville Science
Symposium; Carolina

House; STEMville Science Symposium; Carolina Science Cafe: Electrifying the Brain; The Science of Sports featuring ESPN's Sports Science Host John Brenkus; Get a Clue!; UNC Science Expo

106 Museum of Life and Science, Durham, Museum After Hours: Worldwide Space Party; Dino Egg Hunt; Conoce a un(a) Científico(a) / Meet a Scientist

**107** NC Academy of Science, Raleigh, North Carolina Academy of Science Annual Meeting

**108** NC Museum of Art, Raleigh, The Science of Art Conservation

109 NC State University College of Veterinary Medicine, Raleigh, Open House at NCSU's College of Veterinary Medicine

110 NC State University College of Sciences, Raleigh, State of the Sciences: Neil deGrasse Tyson; The History of the Universe with John Mather

111 NC State University Sustainability Office, Raleigh, Earth Fair at NC State University

112 Neill's Taekwondo and Fitness, Chapel Hill, Family Martial Arts Science

113 New Hope Valley Railway, New Hill, The Science of Trains

114 North Carolina Geological Survey, Raleigh, Raleigh Rockin' Walkin' Tour

115 North Carolina Museum of Natural Sciences, Raleigh, Rational Comedy for an Irrational Planet; Open Minds: Teen Science Café; Climate Science Night; Triangle SciTech Expo 116 North Carolina School of Science and Math,

Durham, Lean In: Women in Science

117 North Carolina
Science Leadership
Association, Chapel Hill,
NC Science Leadership
Association 25th Anniversary
Celebration

118 North Carolina Science Olympiad, Erwin, North Carolina Science Olympiad: Harnett Elementary Tournament

119 North Carolina Science Olympiad, Apex, North Carolina Science Olympiad: Wake Middle Creek Elementary Tournament

**120** North Carolina Science Olympiad, Raleigh, North Carolina Science Olympiad: Wake Smith Elementary Tournament

121 North Carolina Science Olympiad, Raleigh, North Carolina Science Olympiad: Wake Raleigh Charter Elementary Tournament

**122** Northside Elem. School, Chapel Hill, Northside Elementary STEM Day

123 Triangle Materials
Research Science and
Engineering Center, Duke
University, Durham, Mad
Materials: Strange Polymers,
Crazy Colloids, and Mad
Materials Science

**124** U.S. Environmental Protection Agency, Research Triangle Park, Sustainability on the U.S.

Environmental Protection Agency's Research Triangle Park Campus; Air Fair

125 UNC Students for the Exploration and Development of Space, Chapel Hill, Yuri's Night: Chapel Hill

**126 UNC University Libraries,** Chapel Hill,
Rooms of Wonder: From
Wunderkammer to Museum

**127 UNC-TV,** anywhere you have an Internet connection, Astronomy In April: Attend a Live UNC-TV Screening & Discussion Online

128 Wake County Parks, Recreation and Open Space, New Hill, Lessons in Flight; Science Fun with Nature Tots & Forest Friends; Longleaf Festival

129 William B. Umstead State Park, Raleigh, Build-A-Boat; Floating Hoot: An Owl Canoe Safari

#### **EASTERN**

130 A Time For Science Nature and Science Learning Center, *Grifton*, Robox Sumo; This is for the Birds!

**131** Boys and Girls Club, Dr. Ross Unit, Ayden, Folt Science Day

**132** Aurora Fossil Museum Foundation, Inc., Aurora, Identifying the Fossils of Eastern North Carolina; Searching for Fossils in Eastern North Carolina

133 Beaufort County Community College, Washington, NC Manufacturing Awareness Week: Campus Tours at Beaufort County CC; Campus Tours for High School Students and the General Public; Career and Job Fair at Beaufort County CC; Free Day at Beaufort County CC—A Day to Explore Your Options for College

134 Cape Hatteras Elem. School STEM Committee, Buxton, Cape Hatteras Elementary School Science Night

135 Center for Biodiversity at East Carolina University, Greenville, ECU's Earth Day

**136** Children at Play, Inc., *Kitty Hawk*, Egg Drop Competition 2014

**137** Craven Community College, New Bern, Advanced Manufacturing Tours at Craven CC

138 Dare County Schools, Manteo, Create Your Future With STEM

**139** Fort Macon State Park, Atlantic Beach, Fort Macon Amateur Radio Special Event Station **145** Riverside Middle School, Williamston, STEMulating Green at Riverside MS

146 Rocky Mount Children's Museum & Science Center, Rocky Mount, Owl Pellet Autopsy; Deep Sky Excursions; Spring Break Star Party; Sidewalk Astronomy

Mary Lide Parker @marylideparker · Apr 11
Had so much fun helping out turtles yesterday! Thanks again for letting me tag along! @UNCims

View more photos and videos

140 GO-Science,

*Greenville,* GO-Science Expo: Exploring Science in Eastern North Carolina

141 Historic Edenton State
Historic Site, Edenton,
The Science Behind the
Eighteenth Century Home;
Family Fun Explorers:
The Science Behind the
Eighteenth Century Home

142 Neuseway Planetarium Health & Science Museum, Kinston, Ooey Gooey Science Saturday

143 North Carolina
Maritime Museum
in Beaufort, Beaufort,
Beaufort's Dolphins; The
Astounding Oyster; Explore
the Rachel Carson Reserve;
Ports and Pilots

144 Port Discover, Elizabeth City, Science Cafe: Bird's the Word; Bird's the Word: Second Saturday Science; Bird's the Word at Port Discover; Bird's the Word: Walkabout **147** Sylvan Heights Bird Park, Scotland Neck, Lookiting; Critter Feeders

148 UNC Institute of Marine Sciences, Beaufort, Beneath the Waves Film Festival

149 Vollis Simpson
Whirligig Park & Museum
and Imagination Station,
Wilson, Experiment with
Whirligig Science

#### SOUTHEASTERN

**150** Bladen Community College, Dublin, NC Manufacturing Awareness Week: 2nd Annual Academic Fair

151 Bordeaux Branch, Cumberland County Public Library & Information Center, Fayetteville, Is It Magic or Science?; Magnets, Magnets, Magnets!; Storm the Castle! Build Your Own Catapult; Building Blocks of Fun; What's That Smell? Our Senses at Work



152 Brunswick
Community College,
Bolivia, NC Manufacturing

Awareness Week: Junior Jumpstart and Senior Showcase

**153** Cape Fear Museum, Wilmington, Incredible Insects; Science in the Galleries Day; NanoDays! Learning Center

**154** Cape Fear River Watch, *Riegelwood*, Community Rain Garden Day

**155** Carolina Beach State Park, Carolina Beach, Biological Wonderland Hike; Carnivorous Plant Hike

**156** Carvers Creek State Park, Spring Lake, Bottle Biology

157 Cliffdale Regional
Branch, Cumberland County
Public Library & Information
Center, Fayetteville, Why Is
THAT Happening?; Magnets!
Magnets! Magnets!; Snakes!!!;
Create an Aircraft; The
Science of Colors; What
Makes That Sound? Pajama
Story Time; Teen Science:
How Did That Happen?;
Building Blocks of Fun

**158** Dixon Elementary School, Holly Ridge, Folt Family Science

159 East Regional Branch: Cumberland County Public Library & Information Center, Fayetteville, All Things H2O; What's Up in the Nighttime Sky?; Wiggly, Squirmy Worms; Kites for Kids **160** Fayetteville Technical Community College Physical Sciences Dept., Fayetteville, The Hot and Cold of It Demonstration Show

161 Fayetteville
Technical Community
College, Fayetteville, NC
Manufacturing Awareness
Week: High School Campus
Tour at Fayetteville Tech;
Lunchbox Speaker Series:
Advancement in Machining
Technology; STEM Bus Visit

**162** Hammocks Beach State Park, Swansboro, Marsh Detectives

163 Headquarters Library: Cumberland County Public Library & Information Center, Fayetteville, Robotics and Animation; Balloons, Magnets and Marbles; Body Science: Story Time and Puppet Show; Explosive Science!; LEGO Block Party

164 Hope Mills Branch:
Cumberland County
Library & Information
Center, Hope Mills, What's
That Smell? Our Senses
At Work; Tween Tuesday:
Sticking with Magnets;
Tween Tuesday: Be a
Computer Programmer!;
Spectacular Science: Science
Experiments You Can Try;
Build It Workshop: Marble
Run; Get Revved Up With
Preschool Physics!

165 North Carolina Coastal Reserve and National Estuarine Research Reserve, Wilmington, Terrapin Tally

166 North Carolina Science Olympiad, Shallotte, North Carolina Science Olympiad: Brunswick Elementary Tournament

**167** North Carolina
Science Olympiad,
Hampstead, North Carolina
Science Olympiad: Pender
Elementary Tournament

**168** North Carolina
Science Olympiad, Hope
Mills, North Carolina Science
Olympiad: Cumberland
County

169 North Regional
Library: Cumberland
County Public Library
& Information Center,
Fayetteville, Recycled Earth
Day Crafts; Magnet Mania;
Beaver Ecology; Is It Magic
or Science?; Fabulous Fossils

**170** Odysea Surf School, Carolina Beach, Surf-N-Science

171 Robeson Community College, Lumberton, NC Manufacturing Awareness Week: Parent Night; MAW @

172 Spring Lake Branch Library: Cumberland County Public Library & Information Center, Spring Lake, Science of Magnetism

**173** Supply Elem, Supply, Supply Elem. Science Night

174 The Azalea Festival, Wilmington, Science LIVE! at The Azalea Festival

175 The Children's Museum of Wilmington, Wilmington, Family Science Night

**176** UNC Pembroke, *Pembroke*, Sir Isaac Newton on Stage

177 UNC Wilmington
Randall Library:
Curriculum Materials
Center, Wilmington, Literacy
Live: Technology & the Five
Senses

178 West Regional Branch:
Cumberland County Public
Library & Information
Center, Fayetteville, DIY
Craft Club: Terrarium;
Magnets, Magnets, Magnets!;
Sick Science! for Kids;
Colorful Story Time with
Experiments; Sick Science!
for Teens; Sick Science! for
Preschoolers

### STATEWIDE STAR PARTIES

# Event Host, City, Event

#### WESTERN

1 Appalachian State University, Boone, Statewide Star Party: Appalachian's Dark Sky Observatory

**2** Astronomy Club of Asheville, Asheville, Statewide Star Party: UNC Asheville

**3 Elk Knob State Park,** *Todd,* Statewide Star Party:
Elk Knob State Park

**4** Pisgah Astronomical Research Institute, Rosman, Statewide Star Party: PARI

**5** Western Carolina University, Cullowhee, Statewide Star Party: Western Carolina University

#### GREATER CHARLOTTE

**6 Catawba Science Center,** *Hickory,* Statewide Star Party: Catawba Science Center

**7** Crowders Mountain State Park, Kings Mountain, Statewide Star Party: Crowders Mountain

**8** Schiele Museum of Natural History, Gastonia, Statewide Star Party: Schiele Museum

**9 UNC Charlotte Observatory,** *Charlotte,* Statewide Star Party: UNC Charlotte

#### PIEDMONT TRIAD

10 Alamance County Recreation and Parks,

Burlington, Statewide Star Party: Pleasant Grove Community Center

11 Cline Observatory, Guilford Technical Community College, Jamestown, Statewide Star Party: Cline Observatory

**12** Forsyth Astronomical Society, *Yadkinville*, Statewide Star Party: Forsyth Astronomical Society

**13** Greensboro Children's Museum, *Greensboro*, Statewide Star Party: Greensboro Children's Museum

**14** Greensboro Science Center, Greensboro, Statewide Star Party: Greensboro Science Center

**15** Kathleen Clay Edwards Family Branch Library, *Greensboro*, Statewide Star Party: Kathleen Clay Edwards Library

**16** Mayo River State Park, *Mayodan,* Statewide Star Party: Mayo River State Park

#### RESEARCH TRIANGLE

17 City of Durham Parks and Recreation, *Durham*, Statewide Star Party: Old North Durham Park

**18** Duke University
Dept. of Physics, Durham,
Statewide Star Party: Duke
Teaching Observatory

**19** Eno River State Park, Durham, Statewide Star Party: Eno River State Park

20 Howell Woods Environmental Learning Center, Four Oaks, Statewide Star Party: Howell Woodstock

**21** Jordan Lake Environment Education, Apex, Statewide Star Party: Jordan Lake Farm

**22** Marbles Kids Museum, *Raleigh,* Statewide Star Party: Marbles Kids Museum

**23** Morehead Planetarium and Science Center, Chapel Hill, Statewide Star Party: Jordan Lake Ebenezer Church Recreation Area

**24** NCSU Astrophysics Group, *Raleigh*, Statewide Star Party: Reedy Creek Observatory

25 North Carolina Museum of Natural Sciences Praire Ridge Ecostation, Raleigh, Statewide Star Party: Prairie Ridge Ecostation

**26** UNC Dept. of Physics & Astronomy, Chapel Hill, Statewide Star Party: Morehead Observatory

#### **EASTERN**

27 A Time For Science
Nature and Science
Learning Center, Grifton,
Statewide Star Party: A Time
For Science

**28** Cliffs of the Neuse State Park, Seven Springs, Statewide Star Party: Canoe Under the Crescent Moon

**29** Fort Macon State Park, *Atlantic Beach,* Statewide Star Party: Fort Macon State Park

**30** Medoc Mountain State Park, *Hollister,* Statewide Star Party: Medoc Mountain

**31** Neuseway Nature Park, Kinston, Statewide Star Party: Neuseway Planetarium

#### SOUTHEASTERN

**32** Carolina Beach State Park, Carolina Beach, Statewide Star Party: Carolina Beach State Park

**33** Hammocks Beach State Park, *Swansboro*, Statewide Star Party: Hammocks Beach State Park

**34** Methodist University and Fayetteville State University, Fayetteville, Statewide Star Party: Methodist University and Fayetteville State

**35** Robeson Planetarium and Science Center, Lumberton, Statewide Star Party: Robeson Planetarium

**36** Weymouth Woods Sandhills Nature Preserve, Southern Pines, Statewide

Star Party: Weymouth Woods

#### K-12 EVENTS

### FOLT SCIENCE NIGHTS

# School, City

All schools are elementary schools unless otherwise specified.

1 Bethlehem, Taylorsville

**2** Boomer Ferguson, Boomer

**3** Bowman Middle, Bakersville

4 Candler, Candler

**5** Cherokee County Schools 21st Century Afterschool Program, *Murphy* 

**6** Forest City-Dunbar, Forest City

**7** Glenn C. Marlow, Mills River

**8** Harris Middle, Spruce Pine

9 Hot Springs, Hot Springs10 Millers Creek, MillersCreek

**11 Moravian Falls,** *Moravian Falls* 

**12 Morganton Day School,** *Morganton* 

13 Mountain View Intermediate, Franklin

14 Nebo, Nebo

15 North Shelby, Shelby

**16** Piney Creek, Piney Creek

17 Pleasant Garden, Marion

**18** Ranger Elementary. & Middle, *Murphy* 

**19** Robbinsville High, Robbinsville

20 Saluda, Saluda

21 Spindale, Spindale

**22** The Learning Center, *Murphy* 

23 Township Three, Shelby

**24** Cloverleaf, Statesville

**25** Druid Hills Academy, *Charlotte* 

**26** Jackson Park, Kannapolis

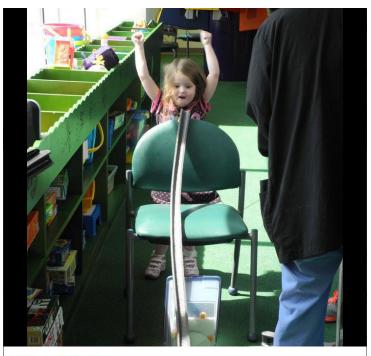
**27** Mineral Springs, *Ellerbe* 

**28** Morehead STEM Academy, Charlotte

**29** Pleasant Ridge, Gaston

30 Queens Grant Community, Mint Hill

31 Rocky River, Monroe





UNC Children's @ncchildrens · Apr 11

Hey, @ncscifest and @moreheadplanet, this is the expression of someone really enjoying sciencel Thanks for the funl pic.twitter.com/ChjijBXby4j

◆ Reply ₺3 Retweet ★ Favorite

Flag med

- 32 Sadler, Gastonia
- **33** Stallings, Stallings
- 34 Stanfield, Stanfield
- 35 Steele Creek, Charlotte
- **36** Sterling, Pineville
- **37** Winecoff, Concord
- 38 Alamance, Greensboro
- **39** Bolton, Winston-Salem
- 40 Flat Rock, Mt. Airy
- 41 Florence, High Point
- **42** Jefferson, Greensboro
- **43** Liberty Drive, Thomasville
- 44 Mocksville, Mocksville
- **45** Mountain Park, State
- 46 North Graham, Graham
- 47 Pine Hall, Pine Hall
- **48** Boys & Girls Club: International Club, Winston-Salem
- **49** Boys & Girls Club: Ken Carlson Club, Winston-Salem
- 50 Southwest, Lexington
- **51** Westfield, Pilot Mountain
- **52** Burton Magnet, Durham
- **53** Dillard Drive Middle, Raleigh
- 54 Efland-Cheeks, Efland
- 55 Glenwood, Chapel Hill
- **56** Joe Toler Oak Hill, Oxford
- **57** Mary Scroggs, Chapel
- **58** Millbrook Magnet, Raleigh
- 59 Northside, Norlina
- 60 Oak Lane, Hurdle Mills
- **61** Perry Harrison, *Pittsboro*
- **62** Seawell, Chapel Hill
- **63** Siler City, Siler City
- **64** UNC Hospital, Chapel Hill
- 65 Wayne Ave., Dunn
- **66** Wilson's Mills, Wilson's Mills
- 67 Zeb Vance, Kittrell
- **68** Arthur Edwards, *Havelock*
- **69** Baskerville, Rocky Mount
- **70** Ben D. Quinn, New Bern

- **71** Boys & Girls Club of Pitt Co., Winterville
- **72** Brinson Memorial, New Bern
- 73 Buckland, Gates
- 74 Central, Jackson
- 75 Central, Barco
- **76** Colerain, Colerain
- 77 Creswell, Creswell
- **78** Fred A. Anderson, Bayboro
- **79** G.R. Whitfield, *Grimesland*
- **80** Gaston & Squire, *Gaston*
- 81 Inborden, Enfield
- **82** James W. Smith, Cove City
- 83 Jamesville, Jamesville
- **84** Jones Co. Schools, *Trenton*
- 85 Manteo, Manteo
- **86** M.B. Hubbard, Battleboro
- 87 Northeast, Kinston
- **88** Pasquotank, Elizabeth City
- **89** Perquimans Central, Winfall
- **90** Riverview, *Murfreesboro*
- 91 Smyrna, Smyrna
- **92** Tommy's Road, *Goldsboro*
- 93 Trent Park, New Bern
- 94 Willis Hare, Pendleton
- **95** Booker T. Washington Primary, Clarkton
- 96 Chadbourn, Chadbourn
- 97 Dixon, Holly Ridge
- 98 Don Steed, Raeford
- 99 East Arcadia, Riegelwood
- 100 Elizabethtown
  Primary, Elizabethtown
- **101** Gallberry Farm, Hope Mills
- 102 Gregory School of Science, Math & Technology, Wilmington
- 103 Loyd Auman, Fayetteville
- **104** Manchester, Spring
- 105 North Topsail, Hampstead
- **106** South Topsail, Hampstead

- 107 W.H. Knuckles, Lumberton
- 108 Westarea, Fayetteville

#### INVITE-A-SCIENTIST

- **# Scientist,** Organization School, *City* 
  - All schools are middle schools unless otherwise specified.
- 1 Jennifer Rhode Ward,
- UNC Asheville AC Reynolds, *Asheville*
- 2 Summer Cortinas,
- NC BioNetwork Bethel, Waynesville
- **3 Amy Boyd,** Warren Wilson College Charles D. Owen, *Swannanoa*
- **4** Becca Hale, UNC Asheville • Erwin, *Asheville*
- **5** Steve Hagemean & Mark Zrull, Appalachian St. Univ. Granite Falls, *Granite Falls*
- **6 Monique Eckerd,** Appalachian St. Univ. •
- Harris, *Spruce Pine*7 Christi Whitworth.
- PARI Immaculata Catholic, Hendersonville
- **8** Tonya Coffey, Appalachian St. Univ. •
- Appalachian St. Univ. •
  New Dimensions Charter,
  Morganton
- **9** Lauren Waterworth & Bryan Zorn, Appalachian St. Univ. Valle Crucis, Sugar Grove

- **10 Marcus Jones,** UNC Charlotte Brawley, *Mooresville*
- **11 Reny Tyson,** Duke Univ. Mooresville, *Mooresville*
- **12** Karen Corbin, UNC Nutrition Research Inst. • Morehead STEM Academy, Charlotte
- **13 Saroja Voruganti,** UNC Nutrition Research Inst. • Ridge Road, *Charlotte*
- **14 Lauren Davis,** NC A&T State Univ. • Blessed Sacrament School, Burlington
- **15** Karen Katula, UNC Greensboro Central Davidson, *Lexington*
- **16 Keith Bonin,** Wake Forest Univ. Central, *Dobson*
- **17 Julia Loreth,** UNC Greensboro E. Lawson Brown, *Thomasville*
- **18 John Gerwin,** NC Museum of Natural Sciences
- East, *Bisoce*
- **19** Nicole Levi-Polyachenko, Wake Forest Univ. • Oak Grove, *Winston-Salem*
- **20** Patrick Martin, NC A&T State Univ. Reidsville, *Reidsville*
- **21** Matt Catanzarite, UNC Greensboro • South Davidson, *Denton*
- **22** Debbie Pritchard, NC BioNetwork Surry County Schools, *Pilot Mountain*



- **23** Radiah Minor, NC A&T State Univ. Thomasville, Thomasville
- **24** Jan Woraratanadharm, Global Vaccines Apex, *Apex*
- **25** Erik Tracy, UNC Pembroke • Crain's Creek, Carthage
- **26** Rachel Goldsmith,
  National Institutes of Health
   Culbreth, *Chapel Hill*
- **27** Patrick Green, Duke Univ. Dillard Drive, *Raleigh*
- **28** Marissa Lee, Duke Univ. • East Wake Academy, Zebulon
- **29** Natalia Ocampo-Peñuela, Duke Univ. • East Wake, *Raleigh*
- **30** Annelise Hocevar Gorensek, UNC Chapel Hill Githens, *Durham*
- **31** Jason Cryan & Christine Goforth, NC Museum of Natural Sciences Leesville Road, *Raleigh*
- **32 Duncan McPherson,** UNC Chapel Hill McDougle,
- Chapel Hill

  33 Caiti Smukowski Heil,

  Duke Univ. Mills Park, Cary
- **34** Chelsea Clifford, Duke Univ. Orange Charter, Hillsborough
- **35** Eleanor Caves & Katie Thomas, Duke Univ. Wake Young Women's Leadership Academy, *Raleigh*
- **36** Adam Werts, NC State Univ. Wendell, Wendell
- **37** Ben Coleman, Duke Univ. West Pine, West End
- **38** Heather Heenahan, Duke Univ. Marine Lab Beaufort, *Beaufort*
- **39** Patrick Rider & Heather Vance-Chalcraft, East Carolina Univ. Bertie, *Windsor*
- **40** Alyse Larkin, Duke Univ. Marine Lab Broad Creek, *Newport*
- **41 Bob Hickner,** East Carolina Univ. C.B. Martin, *Tarboro*
- **42** Cindy Lane, Great Dismal Swamp National Wildlife Refuge Central, *Gatesville*

- **43** Ann Carr, NC State Univ. Enfield, *Enfield*
- **44** Rebecca Pollet, UNC Chapel Hill Grantham, *Goldsboro*
- **45** Charmaine Yung, Duke Univ. Marine Lab Pamlico County, *Bayboro*
- **46** Jeff McKinnon, East Carolina Univ. Riverside, Williamston
- **47** Krista McCoy, East Carolina Univ. South Creek, Robersonville
- **48** John Stiller, East Carolina Univ. • West Edgecombe, *Rocky Mount*
- **49** Sue Kezios & Karl Ricanek, UNC Wilmington Burgaw, *Burgaw*
- **50** Todd LaMaskin, UNC Wilmington Roland Grise, *Wilmington*

#### SCIENCE SPOTLIGHT

- # Teacher, School, City
  All schools are high schools.
- **1 Heather Bolick,** Butler, *Matthews*
- **2** Charnell Chasten, John F. Kennedy, *Winston-Salem*
- **3** Scott Kyles, North Surry, *Mount Airy*
- **4** Valencia Abbott & Kimberly Thompson-Hairston, Rockingham Early College, *Wentworth*
- **5** Kelly Hartzell, Franklin Academy, *Wake Forest*
- **6 Stephen Snyder,** Lee County, *Sanford*
- **7** Johnathan Waugh, Louisburg, Louisburg
- **8** Ruth Wormald, Wake Young Women's Leadership Academy, *Raleigh*
- **9** Denise Furr, Wakefield, Raleigh
- **10 Lenny Leta,** Columbia, *Columbia*
- **11 Crystal Schultz,** J.P. Knapp Early College, *Currituck*
- **12 Teri Campbell,** Gates County, *Gatesville*
- **13** Jill Cohen, Perquimans County, *Hertford*



#### Scott Kyles ► NC Science Festival March 29 - 🖗

Here's a nice write-up about the impact that the 2014 Science Spotlight program had on our classroom at North Surry.



North Surry talks about fracking as part of 'Science Spotlight' – North Surry students in science teacher Scott Kyles' classes are participating in a high tech conversation on fracking with a scientist th...

MTAIRYNEWS.COM | BY BY DAVID BROYLES DBROYLES@CIVITASMEDIA.COM

Like - Comment - Share - 1 1 1

#### **GRAVITY GAMES**

- # School, City

  All schools are middle schools unless otherwise specified.
- 1 Avery, Newland
- 2 Charles D. Owen,
- **3** Polk County Schools, *Columbus*
- **4** Gaston Early College, Dallas
- **5** Grier, Gastonia
- **6** Holbrook, *Lowell*
- 7 John Chavis, Cherryville
- **8** Rockingham, Rockingham
- **9** Sun Valley, *Indian Trail*
- 10 The Academy at Lincoln, *Greensboro*
- 11 Ferndale, High Point
- **12** John F. Kennedy High, Winston-Salem
- 13 South Stokes High, Walnut Cove
- **14** T.W. Andrews High, *High Point*
- 15 Tyro, Lexington
- **16** Walkertown, Walkertown
- 17 William Ellis, Advance
- 18 Four Oaks, Four Oaks
- 19 Githens, Durham
- **20** Lowe's Grove School of Technology, *Durham*

- **21** Wake Young Women's Leadership Academy, *Raleigh*
- **22** Willow Oak Montessori Charter, *Chapel Hill*
- **23** Goldsboro High, *Goldsboro*
- 24 Greenwood, Goldsboro
- **25** John A. Holmes High, *Edenton*
- **26** Lenoir County Early College High, *Kinston*
- **27** Columbus Career and College Academy, *Whiteville*
- 28 Noble, Wilmington
- 29 Union, Clinton
- **30** West Bladen High, Bladenboro



MARCH 28 - APRIL 13, 2014

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