**North Carolina Science Festival** is a statewide two-week celebration of STEM — science, technology, engineering and mathematics — with community-based 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.
This year, the Festival expanded its support for event hosts and other affiliates through several new initiatives: an event sponsorship program to provide financial support, a series of webinars to share best practices and a marketing assistance program to foster expanded media coverage in targeted locations.

The Festival expanded its promotional activities, too, adding statewide advertising messages distributed through the Internet and mobile networks and announcing Festival dates with billboards on I-40/I-85.

The Festival also earned national recognition when it was selected as one of four science festivals to collaborate on a National Science Foundation sponsored project. As the nation’s first statewide science festival, North Carolina Science Festival has a tremendous impact!
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

1 wildly popular SPOKESBOT, now with his own official fan club

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

BioNetwork
Julie Rhodes
Events in 95 of North Carolina’s 100 COUNTIES

- 401 public events
- 271 event partners
- 2,472 publicly engaged scientists
- 3,259 volunteers

**EVENTS HOSTED**

- 108 Folt Science Nights
- 55 Invite-A-Scientist
- 14 Science Spotlights
- 30 NC Gravity Games Participating Schools
- 111 Carolina STEM Challenge
- 17 Event Sponsorships Awarded

Events in 100 COUNTIES of North Carolina’s 100 COUNTIES

- 401 public events
- 271 event partners
- 2,472 publicly engaged scientists
- 3,259 volunteers
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.

North Carolina Science Festival continues to lead the way in increasing the accessibility of science across the state.
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 gravity-powered, "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.
Each year, North Carolina Science Festival selects a unique perspective for connecting science with new and different audiences. The Festival identified sports as that perspective for 2014.

Kelvin (pictured above) cheered from the stands while Festival staffers presented live science demonstrations during Education Days for baseball games at the Durham Bulls Athletic Park (pictured right).
North Carolina Science Festival • 2014 Final Report

**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 canoe-based Statewide Star Party at Cliffs of the Neuse State Park and a canoe exploration of High Point City Lake Park.

**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.

**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.
PUBLIC EVENTS LISTING

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
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
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
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
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 EXPO
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
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
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

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, Elon 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 Nanotechnology, 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
PUBLIC EVENTS LISTING

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


79 Surry Community 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

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


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

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; Bubbles; 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 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 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 Neil’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 Cafe; Climate Science Night; Triangle SciTech Expo

Weekend Plans: Science Festival, Literary Festival, Dirt Day, more :: WRAL.com
116 North Carolina School of Science and Math, Durham, Leaning 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


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 Elel School STEM Committee, Buxton, Cape Hatteras Elementary School Science Night

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

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

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

145 Riverside Middle School, Williamson, 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

147 Sylvan Heights Bird Park, Scotland Neck, Looking: 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
STATEWIDE STAR PARTIES

152Brunswick Community College, Bolivia, NC Manufacturing Awareness Week: Junior Jumpstart and Senior Showcase

153 Cape Fear Museum, Wilmington, Incredible Insects; Science City Gallerias 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?; 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?: Wigwag, 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 2014

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 Odyssea Surf School, Carolina Beach, Surf-N-Science

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

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


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

STATEWIDE STAR PARTIES

# Event Host, City, Event

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

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
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


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

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: Reddy Creek Observatory

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

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


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

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


K-12 EVENTS

FOOT 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 Springs
10 Millers Creek, Millers Creek
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, Elizabethtown
28 Morehead STEM Academy, Charlotte
29 Pleasant Ridge, Gaston
30 Queens Grant Community, Mint Hill
31 Rocky River, Monroe
K-12 EVENTS

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 Road
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 Hill
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 Lake
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 Hageman & 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. • New Dimensions Charter, Morganton
9 Lauren Waterworth & Bryan Zorn, Appalachian St. Univ. • Valle Crucis, Sugar Grove

Rhonda Goins Taylor • NC Science Festival

A great time with our invite a scientist, Ms. Pitchard, at Pilot Mountain Middle School.

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, Biscoe
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-Péñuela, 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 Heenan, 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

GRAVITY GAMES

# Teacher, School, City
All schools are middle schools unless otherwise specified.
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

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

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