



SCIENCE
FESTIVAL
2012 FINAL REPORT



THE NATION'S 1ST STATEWIDE

SCIENCE FESTIVAL GROWS



The Festival, a two-week, statewide series of events that showcase science, technology, engineering and mathematics (STEM), highlights the educational, cultural and financial impact of the STEM disciplines on North Carolina. Through hands-on activities, science talks, lab tours, nature experiences, exhibits and performances, the Festival engages audiences while inspiring the next generation.

Morehead Planetarium and Science Center, a constituent unit of The University of North Carolina at Chapel Hill, founded the Festival in 2010 and produces the Festival every April. Strategic partner Discovery Place spearheaded efforts in the Charlotte region in 2012.

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The North Carolina Science Festival grew dramatically in 2012 as partners across the state recognized the Festival's value and potential. UNC Charlotte joined the Festival family, staging the university's first-ever Science and Technology Expo (pictured). The expo brought researchers and the public together in a fun and engaging atmosphere.

Cover photos (center then left to right): An Evening With Neil deGrasse Tyson, Chapel Hill; Health Science Learning Adventure, Concord; An Afternoon With Adam & Jamie, Charlotte; UNC Charlotte Science and Technology Expo, Charlotte.

BY THE NUMBERS

THE GOALS FOR 2012: INCREASE PARTNERS. INCREASE EVENTS. INCREASE ATTENDANCE. INCREASE IMPACT. THESE NUMBERS INDICATE SUCCESS ON EVERY MEASURE.



◀ Neil deGrasse Tyson (l) sold out UNC-Chapel Hill's Memorial Hall.

TOTAL ATTENDANCE

233,750

172-percent increase from 2010

FOAM FOOTBALLS

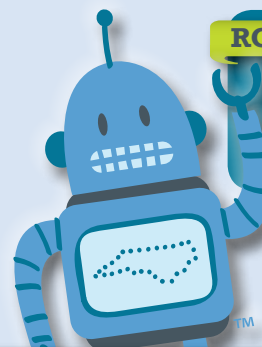
180

Used for "A Moment of Science" at UNC-Chapel Hill spring football game

ROBOT MASCOT

1

Kelvin the Robot made his debut as the Festival's official mascot. He promises to make every event "riveting."



EVENTS

566

Up 37 percent since 2010

EVENTS BY REGION

139 in Greater Charlotte | 114 in Research Triangle

71 in Piedmont Triad | 59 in Eastern | 49 in Western | 42 in Southeastern

Note: Only events open to the general public included in regional totals.



PLANES ON DISPLAY

3

At Greensboro FedEx event

EVENT PARTNERS

273

Up 250 percent since 2010

HIGHER ED

32

Colleges and universities hosting events

SPONSORS

16

Showing statewide leadership

SPEED IN KPH

48.3

Of Gravity Games go-carts

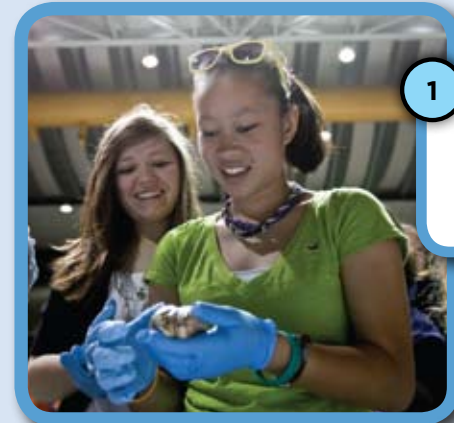


THE MOUNTAINS TO THE COAST

LEGEND

- # Partners and events. Listings begin on page 8.
- T Thorp Science Nights locations. Full listings on page 12.
- S Invite a Scientist locations. Full listings on page 13.

Note: Geographic locations are approximate.

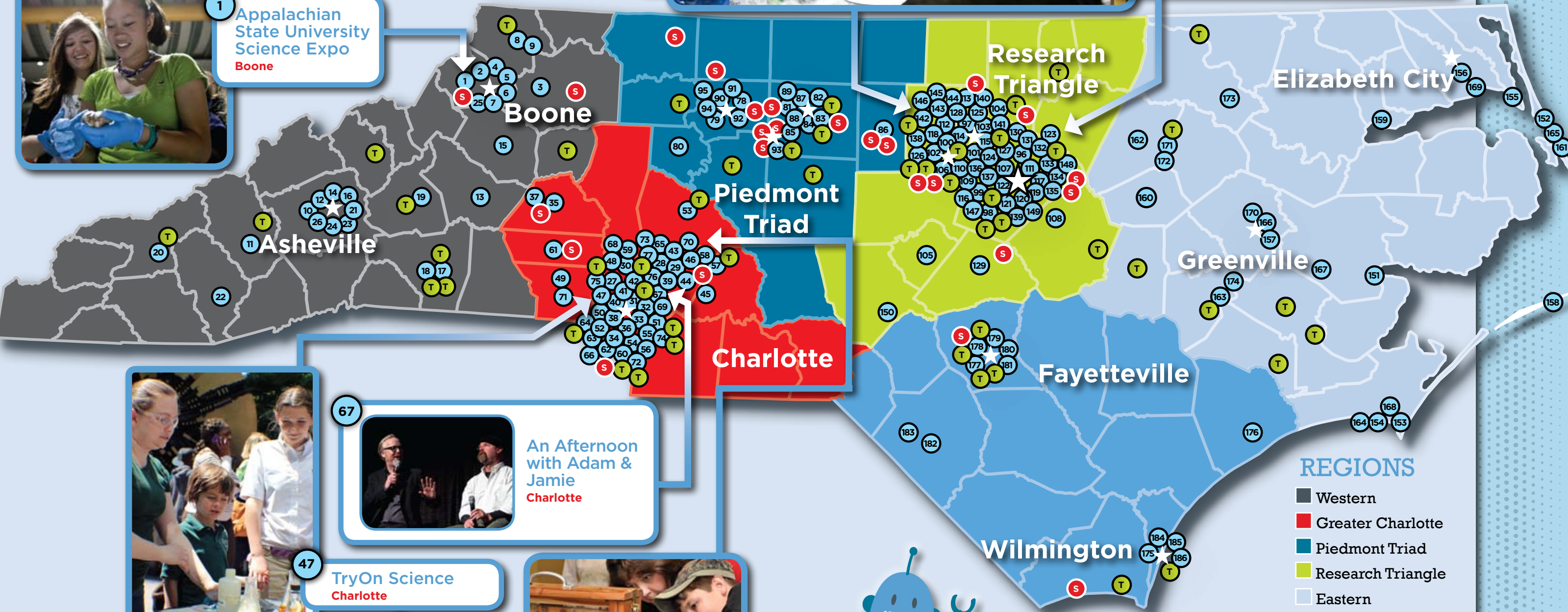


1 Appalachian State University Science Expo
Boone



142 UNC Science Expo
Chapel Hill

123 Triangle Science & Engineering Expo
Raleigh
Grand Opening of the Nature Research Center
Raleigh

47 TryOn Science
Charlotte

67 An Afternoon with Adam & Jamie
Charlotte

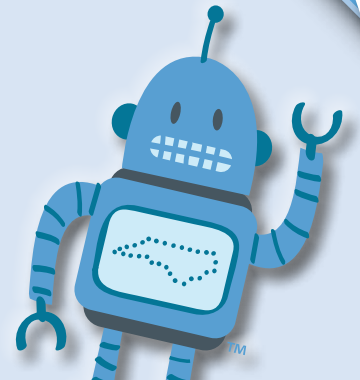


70 N.C. STEM Open House
Kannapolis



REGIONS

- Western
- Greater Charlotte
- Piedmont Triad
- Research Triangle
- Eastern
- Southeastern



PARTNERS & EVENTS

Map Number | Host Organization, Location(s), Event(s). Some event partners that are part of a larger institution may have been recognized as part of the parent organization.

WESTERN

- 1 | **Appalachian St. Univ., Boone**, Science Expo; Watauga SumoBot Competition.
- 2 | **Appalachian St. Univ. Chemistry Club, Boone**, Chemistry Demo Show.
- 3 | **Appalachian St. Univ. Dark Sky Observatory, Jobs Cabin**, Planet, Star & Galaxy Viewing.
- 4 | **Appalachian St. Univ. Dept. of Chemistry, Boone**, Lorna's Sun Bottle.
- 5 | **Appalachian St. Univ. Dept. of Psychology, Boone**, ADHD: Myths, Truths and Uncertainties; Biofeedback: Applications for Health and Wellness; Critical Thinking: How to Use Science to Keep Nonsense Out of Common Sense; The Search for Psychology's Lost Boy: Little Albert; Why Fat Ain't So Phat: The Benefits and Costs of Negative Body Talk.
- 6 | **Appalachian St. Univ. Math and Science Education Ctr., Boone**, Seminar: Are Birds Really Dinosaurs? Is Archaeopteryx not a Bird Anymore?; Seminar: Is There Meat in Our Future?
- 7 | **AppalAIR at Appalachian St. Univ., Boone**, AppalAIR/CAN-DOO Science Club Weather Balloon Launch.
- 8 | **Ashe Co. Public Library, West Jefferson**, 8-foot Giant Tree; Sing Along with Ranger Joe; Stomp Rockets and Potato Launchers.
- 9 | **Ashe Schools of Home Education, West Jefferson**, Homeschool Science Fair.
- 10 | **Astronomy Club of Asheville, Asheville**, Public Stargaze.
- 11 | **Astronomy Club of Asheville, Waynesville**, Stargaze: Great Smoky Mountains National Park.
- 12 | **Bob Moog Foundation, Asheville**, Dr. Bob's SoundSchool Exposition.
- 13 | **Burke Co. Public Library, Hildebran, Morganton and Valdese**, Science Rocks; Funky Science Craft Night; The Force Be With You.
- 14 | **Colburn Earth Science Museum, Asheville**, Exploring the Universe, Stars, Constellations & Greek Legends.
- 15 | **Google, Appalachian St. Univ. and City of Lenoir, Lenoir**, Western N.C. Gravity Games Soapbox Races.

- 16 | **The Health Adventure, Asheville**, All About Birds; Bird Hike; Bird Watching: On the Web and In the Wild; Expanding Your Horizons (in partnership with N.C. State Science House); Extreme Cold; Go Green: All About Earth Science; Out of this World; Shocking Science.
- 17 | **Isothermal Community College, Spindale**, Rutherford Co. Science & Tech Expo.
- 18 | **KidSenses Children's Museum, Rutherfordton**, Rutherford Co. Science & Tech Expo.
- 19 | **Lake James State Park, Nebo**, GLOBE at Night.
- 20 | **Nantahala Outdoor Ctr., Bryson City**, The Science of Water Hydraulics.
- 21 | **N.C. Arboretum, Asheville**, Mountain Science Expo: From Beakers to Backyards.
- 22 | **N.C. Ctr. for the Advancement of Teaching, Cullowhee**, Appalachian Spring Wildflowers; Outdoor Classroom: Integrating Natural Experiences with the Curriculum.
- 23 | **UNC Asheville & Astronomy Club of Asheville, Asheville**, Public Stargazing; Solar Observing.
- 24 | **UNC Asheville Undergraduate Research Program, Asheville**, Spring Symposium.
- 25 | **Watauga Co. Public Library, Boone**, Grow Your Own Crazy Grass-Head Friend.
- 26 | **Western N.C. Nature Ctr., Asheville**, Earth Day Celebration.

GREATER CHARLOTTE

- 27 | **AREVA, Charlotte**, Power Path to Nuclear Energy.
- 28 | **Cabarrus Co. Public Library, Concord, Harrisburg and Kannapolis**, N.C. Mining Technology, Water Science Fun; Science All Around You; Go Local with Your Library.
- 29 | **Cabarrus College of Health Sciences, Concord**, Health Sciences Learning Adventure.
- 30 | **Carolina Raptor Ctr., Huntersville**, Young Veterinarians' Day.
- 31 | **Carolinas College of Health Sciences, Charlotte**, The Healthcare Career Experience.
- 32 | **Carolinas Medical Ctr., Charlotte**, Campus Tours of the Carolinas

- Laboratory Network/Carolinas Pathology Group.
- 33 | **Carolinas Rehabilitation, Charlotte**, Science of Movement and Rehabilitation.
- 34 | **Carowinds, Charlotte**, Carowinds Education Days.
- 35 | **Catawba Co. Library System, Conover, Hickory, Newton and Sherrills Ford**, The Buzz on Beekeeping; The Coolest Event Ever: Mini Ice Sculpting; Scientifically Proven; Build A Mars Lander.
- 36 | **Catawba River District, Charlotte**, STEM Parent University.
- 37 | **Catawba Science Ctr., Hickory**, Earth Day Celebration.
- 38 | **Charlotte Area Health Education Ctr., Charlotte**, AHEC Open House.
- 39 | **Charlotte Motor Speedway, Concord**, Engineering Drag Racers: The NHRA Four-Wide Nationals.
- 40 | **Charlotte Nature Museum and Queens Univ., Charlotte**, Neighborhood Science: Backyard Discoveries.
- 41 | **Charlotte-Mecklenburg Schools, Charlotte**, Going Green.

42 | **Charlotte-Mecklenburg Schools Parent Univ., Charlotte**, Life is Your Lab and Your Studio...Full STEAM Ahead!



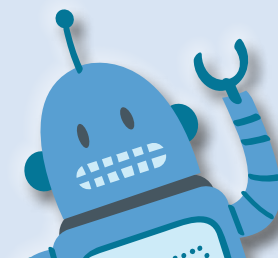
- 43 | **City of Kannapolis, Kannapolis**, STEM in the City.
- 44 | **Coltrane-Webb Elem. STEM Magnet School, Concord**, STEM Science Fair and Engineering Challenge.
- 45 | **Concord-Kannapolis-Cabarrus Co., Concord**, Viva Verde Earth Day Festival.
- 46 | **David H. Murdock Core Laboratory, Kannapolis**, Living Proof: Drug Treatment for Breast Cancer; State of the Studies.
- 47 | **Discovery Place, Charlotte**, A World Apart; Aquarium Feeding Tour; Aquarium Guided Tour; Astronomy

- Day; Avian Adventure; Driving Innovation & Global Competitiveness; Fired Up; Fossil Finds; From the Inside Out; Invasive Plants; Inventors' Bootcamp (in partnership with Edison Nation); Make it Rain; Mask Making; Nature on the Move: How Important Are We?; Nose-to-Nose Animal Encounter; Plants, Plants, Plants; Science and Superheroes; Skulduggery with Christopher Baldwin; Solar System and Space Exploration; Sub Zero; Touch Tank Experience; TryOn Science; What's Glowing On?
- 48 | **EnergyExplorium, Huntersville**, Science Explore Days, Science-themed Student Art Show.
- 49 | **Gaston College, Dallas**, SciVisit.
- 50 | **Green Goats and Gardens, Charlotte**, Green Goats and Gardens.
- 51 | **Habitat and Wildlife Keepers, Matthews**, Kids' Day at Squirrel Lake Park, Earth Day.
- 52 | **Hackerspace Charlotte, Charlotte**, Introduction to the Electronics Around You.
- 53 | **Horizons Unlimited, Margaret C. Woodson Planetarium, Salisbury**, Stars and Stories.
- 54 | **ImaginOn, Charlotte**, STEM Night for Educators.
- 55 | **James G. Cannon Research Ctr., Carolinas Healthcare, Charlotte**, Medical Scientists: Come See What We're All About.
- 56 | **Johnson & Wales Univ., Charlotte**, Gluten-Free Baking Demo with Chef Peter Reinhart.
- 57 | **Kannapolis City Schools, Kannapolis**, Moment of Science.
- 58 | **Kannapolis Library, Kannapolis**, Rookie Science.
- 59 | **Latta Plantation Nature Ctr., Huntersville**, Family Nature Explorer Club: Amazing Seeds; Reptile Day; Stream Science Hike; Young Scientist Day.
- 60 | **Light Factory, Charlotte**, Earth Exchange: Presented by Piedmont Natural Gas; The Calm Before the Storm: Human Interaction with the Natural Landscape; Fun with Sunprints.
- 61 | **Lincoln Co. School of Technology, Lincolnton**, Mission Possible: STEM.
- 62 | **McColl Ctr. for Visual Art, Charlotte**, Environmental Art.

- 63 | **McDowell Nature Ctr., Charlotte**, Bird Walk; Homeschool Special: Weather Watchers; Leapin' Lizards.
- 64 | **Metrolina Recycling Ctr., Charlotte**, Special Tour of Mecklenburg Co. Recycling Ctr.
- 65 | **N.C. Biotechnology Ctr., Kannapolis**, BioMoto STEM Challenge.
- 66 | **N.C. Ctr. for Afterschool Programs, Charlotte**, SYNERGY 2012 Conference.
- 67 | **N.C. Science Festival, Charlotte**, An Afternoon with Adam & Jamie.
- 68 | **Project for Innovation, Energy & Sustainability, Davidson**, Green Idea Factory Competition.
- 69 | **Reedy Creek Nature Ctr., Charlotte**, Bird Encounters.
- 70 | **Rowan-Cabarrus Community College, Kannapolis**, N.C. Museum of Natural Sciences Virtual Library Opening & Open House.
- 71 | **Schiele Museum of Natural History, Gastonia**, Earth Day Celebration.
- 72 | **Sterling Elem. School, Pineville**, Collaborative Family Science Night with Johnson C. Smith University.
- 73 | **Stewart-Haas Racing, Kannapolis**, Kannapolis Zucchini 500.
- 74 | **Town of Matthews, Matthews**, Geocaching Treasure Hunt.
- 75 | **U.S. National Whitewater Ctr., Charlotte**, Beyond the Pumps: Behind-the-Scenes Tour of the U.S. National Whitewater Center.
- 76 | **UNC Charlotte, Charlotte**, Science and Technology Expo.
- 77 | **UNC-Chapel Hill Nutrition Research Institute, N.C. Research Campus, Kannapolis**, Kindergarten Science Expo; Cheatham Nutrition & Cognition Lab presents the Nutribrain Sing-a-Long starring Roger Day.

PIEDMONT TRIAD

- 78 | **Atkins Academic/Technology H.S., Winston-Salem**, Community STEM Career Fair.
- 79 | **Children's Museum of Winston-Salem, Winston-Salem**, Planes, Trains and Things That Go.
- 80 | **Davie Co. STEM Ctr., Mocksville**, Davie Co. Schools NXT Robotics Competition.
- 81 | **FedEx, Greensboro**, How FedEx Keeps the World on Time: A Behind-the-Scenes Look.
- 82 | **Greensboro Area Health Education Ctr., Greensboro**, Greensboro AHEC Health Careers Expo.
- 83 | **Greensboro Children's Museum, Greensboro**, "Which Came First?" Chicken Day; Busy Bees in the Kitchen; Edible Schoolyard Day Camp; Lucky Clucky Club; Rockets and Robots; We Can Cook; We Can Grow: Family Gardening; Wildlife Wednesday.
- 84 | **Greensboro Public Library, Greensboro**, Earth Day; How Your Body Moves.
- 85 | **Guilford Technical Community College, Jamestown**, Stellar Society Lecture: "What Is It About 2012? How We Misunderstand Ancient Maya Astronomy;" Science Demonstrations.
- 86 | **Harris Educational, Burlington**, Mini Maker Faire.
- 87 | **Joint School of Nanoscience and Nanoengineering, Greensboro**, Open House.
- 88 | **The Monti, Greensboro**, StorySLAM, Theme: Doctors.
- 89 | **Natural Science Ctr. of Greensboro, Greensboro**, "Indiana Bones and The Kingdom of the Camarasaur" Science Show; RoboFest 2012: Robots & Recycling; Wildest Weather in the Solar System: FullDome OmniSphere Show; Zoo Keeper Talks with the Animals.
- 90 | **N.C. Society for Clinical Laboratory Science, Winston-Salem**, Lab Explorers.
- 91 | **Piedmont Environmental Alliance, Winston-Salem**, Piedmont Earth Day Fair.
- 92 | **SciWorks, Winston-Salem**, Bubbleology: The Secret World of Bubbles Revealed; ScienceFest; Science of Building an Organ; Science Cafe: Does Imaging Show How the Brain Handles Music?
- 93 | **UNCG GK-12, High Point**, Greenway Day.
- 94 | **Wake Forest Univ. Dept. of Physics, Winston-Salem**, Time, Einstein and the Coolest Stuff in the Universe.
- 95 | **Wake Forest Univ. Society of Physics Students, Winston-Salem**, Zone 5 Meeting.



RESEARCH TRIANGLE

- 96 | **Blue Jay Point Co. Park, Raleigh,** Songbird Celebration Family Festival.
- 97 | **Bull Spec, Durham,** Speculative Fiction Night: The Science of Science Fiction.
- 98 | **Carolina Brewing Company, Holly Springs,** Brewery Tour & Tasting.
- 99 | **Carolina Tiger Rescue, Apex,** Artists for Animals Faire.
- 100 | **Chapel Hill Analytical and Nanofabrication Laboratory, Chapel Hill,** Scientific Art Competition.
- 101 | **Counter Culture Coffee, Durham,** Coffee Cupping & Tour.
- 102 | **Flyleaf Books, Chapel Hill,** Groove Music: Art and Culture of the Hip-Hop DJ; Math Rocks: The Book of Perfectly Perilous Math With Author Sean Connolly; Zero the Hero; Picture Book Fun With Author Joan Holub.
- 103 | **Graduate Women in Science, Rho Tau Chapter, Durham,** Food Science with Durham Spirits Co.
- 104 | **Granville Co. Library System, Creedmoor,** Optical Illusions; Pancake Science.
- 105 | **House in the Horseshoe State Historic Site, Sanford,** Revolutionary War Medicine in the Carolina Backcountry.
- 106 | **INRFood, Chapel Hill,** You Are What You Eat.
- 107 | **J.C. Raulston Arboretum at N.C. State Univ., Raleigh,** 12th Annual Birdhouse Competition.
- 108 | **Johnston Community College, Clayton,** Family Science Discovery Day.
- 109 | **Jordan Lake Environment Education, Apex,** A Day in the Life at Jordan Lake.
- 110 | **Kidzu Children's Museum, Chapel Hill,** Kaleidoscopes and Rainbows.
- 111 | **Marbles Kids Museum, Raleigh,** Art-rageous; Energy Innovators; Gadgets and Gizmos; Humpty Dumpty; Garden Sprouts; Guest Star Scientists: FEAST - Food Engineering and Science Technology; Science Solvers.
- 112 | **Morehead Planetarium and Science Ctr., Chapel Hill,** Star Families: Spring Skies; Welcome To Stemville, N.C.
- 113 | **Morehead Planetarium and Science Ctr., Rougemont,**

Skywatching at Little River Regional Park.

- 114 | **Museum of Life and Science, Durham,** Math Moves; Museum AfterHours: NanoNights; MacroPints; Robot Rumble.
- 115 | **Nasher Museum of Art at Duke Univ., Durham,** Free Calder Night for RTP Employees; Where Art Meets Science.

116 | **New Hope Valley Railway, New Hill,** All Aboard! Science of Trains.

117 | **N.C. BioNetwork, Raleigh,** Science Fiction Film Festival: Busting Bad Biotech.

118 | **N.C. Botanical Garden, Chapel Hill,** Bird Walk at Mason Farm Biological Reserve; Earth Day: Wildflowers on the Nature Trail; Life as Art: A Visual Science Fair; Native Southeastern Medicinal Herbs; Silent Spring: Bringing Immediacy to Its Anniversary; Spring: A Book Club Format; Tour of the LEED Platinum Education Center; Tour of the N.C. Botanical Garden.

119 | **N.C. Ctr. for Afterschool Programs, Raleigh,** Youth STEM Summit.

120 | **N.C. Executive Mansion, Raleigh,** Green Garden Open House; Weather Balloon Launch; Pre-festival Reception.

121 | **N.C. Geological Survey, Raleigh,** Rockin' Walkin' Tour.

122 | **N.C. Museum of Art, Raleigh,** Family Fun Saturday: Experiments with Art and Science.



123 | **N.C. Museum of Natural Sciences, Raleigh,** Grand Opening of the Nature Research Center.

124 | **N.C. New Schools Project, Durham,** S2:TEM = Scaling STEM: Transforming Education Matters Conference.

125 | **N.C. School of Science and Mathematics, Durham,** Exploring the Great Barrier Reef; TEDxNCSSM.

126 | **N.C. Science Festival, Chapel Hill,** An Evening with Neil deGrasse Tyson.

127 | **N.C. Science Olympiad, Raleigh,** State Tournament.

128 | **N.C. Science, Mathematics, and Technology Education Ctr., Durham,** Celebration of Science, Mathematics, & Technology Education.

129 | **N.C. State Parks, Lillington and Raleigh,** Ribbit, Hoot, & Roar: Science of Animal Talk.

130 | **N.C. State Univ. College of Agriculture and Life Sciences, Raleigh,** Stewards of the Future: Research for Human Health and Global Sustainability.

131 | **N.C. State Univ. College of Physical and Mathematical Sciences, Raleigh,** Mathematics and the Mystery of Dark Matter; Scope Academy.

132 | **N.C. State Univ., Raleigh,** NanoDays.

133 | **Partners for the Advancement of Gifted Education of Wake Co., Raleigh,** Super Saturday.

134 | **Quail Ridge Books & Music, Raleigh,** Sean Connolly, author of The Book of Perfectly Perilous Math.

135 | **Redress Raleigh, Raleigh,** Eco-Fashion Show.

136 | **RTP Headquarters, Research Triangle Park,** Food Truck Rodeo; Water Reuse: Decentralized Water Reuse Systems.

137 | **State Archives of N.C., Raleigh,** Science of Conservation at the State Archives.

138 | **Town of Chapel Hill Parks & Recreation, Chapel Hill,** Earth Action Day.

139 | **Triangle Freethought Society, Raleigh,** Pseudoscience.

140 | **Triangle Materials Research Science and Engineering Center at Duke Univ., Durham,** GOO, GOOP & GACK: Materials of Life, Technology & Fun.

141 | **U.S. Environmental Protection Agency Research Triangle Park, Durham,** U.S. EPA Science Day at Bethesda Elem.

142 | **UNC-Chapel Hill, Chapel Hill,** Science Expo.

143 | **UNC-Chapel Hill Friday Center for Continuing Education, Chapel Hill,** Is Consciousness Merely Neurological?; Reaching the Brain through Music; UNC Emerging

Company Showcase with Carolina Kickstart.

144 | **UNC-Chapel Hill Office for Undergraduate Research, Chapel Hill,** Celebration of Undergraduate Research.

145 | **UNC-Chapel Hill Parr Center for Ethics, Chapel Hill,** Lunch & Learn: The Psychiatrist and the Marketplace or the Madness in Treating Madness.

146 | **UNC-Chapel Hill School of Education, Chapel Hill,** N.C.-MSEN Pre-College Program in Action.

147 | **Wake Co. Environmental Services, Apex,** Landfills & Recycling: Exploring Waste Reduction.

148 | **Wake Co. Public Libraries, Knightdale,** Egg Drop SPLAT.

149 | **Wells Fargo IMAX Theatre at Marbles, Raleigh,** Forces of Nature Family Learning Lab; Arctic Family Learning Lab.

150 | **Weymouth Woods-Sandhills Nature Preserve, Southern Pines,** Earth Day Celebration.

EASTERN

151 | **Aurora Fossil Museum, Aurora,** 600 Million Years of Life: The Fossil Record; The Rejects: Hunting and Identifying Fossils.

152 | **Children@Play Inc., Kitty Hawk,** Science Thursday.

153 | **Core Sound Waterfowl Museum & Heritage Ctr., Harkers Island,** Beauty of Pollination.

154 | **Crystal Coast Earth Day Partnership, Atlantic Beach,** Earth Day Festival.

155 | **Currituck Co. Rural Center, Powells Point,** Currituck Sound Water Quality Fair.

156 | **Elizabeth City St. Univ. Planetarium, Elizabeth City,** The Truth Behind 2012.

157 | **GO-Science, Greenville,** Eastern N.C. Science & Technology Expo.

158 | **Graveyard of the Atlantic Museum, Hatteras,** History & Ecology, Linked on Hatteras Island.

159 | **Historic Edenton Visitor Ctr., Edenton,** The Science Behind the Eighteenth Century Home.

160 | **Imagination Station Science Museum, Wilson,** Blast Off; EEK: Recycling Our Planet with Worms; Safari School.



161 | **Jennette's Pier, Nags Head,** Earth Fair OBX.

162 | **Nash Central Middle School, Nashville,** An Investigative Look at Tarheel Science.

163 | **Neuseway Nature Park, Kinston,** STEM East Transforming Education Science Expo.

164 | **N.C. Aquarium at Pine Knoll Shores, Pine Knoll Shores,** Forest Fairies to Sea Serpents; Party for the Planet Week.

165 | **N.C. Aquarium at Roanoke Island, Kill Devil Hills,** Quarter Moon Night Hike.

166 | **N.C. Ctr. for Biodiversity at East Carolina Univ., Greenville,** Earth Day Expo; Listed: The Endangered Species Act.

167 | **N.C. Estuarium, Washington,** River Roving Educational Boat Tour.

168 | **N.C. Maritime Museum, Beaufort,** Getting to Know Beaufort's Dolphins; Marine Life Collecting Cruise.

169 | **Port Discover, Elizabeth City,** Afterschool Science; Earth Day Festival; Second Saturday Science; Toddler Time: Six-Legged Friends.

170 | **Queen Anne's Revenge (QAR) Conservation Lab at ECU, N.C. Dept. of Cultural Resources, Greenville,** Open House.

171 | **Rocky Mount Children's Museum and Science Ctr., Rocky Mount,** Astronomy Day; Dragons & Damsels; Owl Pellet Autopsy; Reduce, Reuse, Recycle; The Essence of Luminescence.

172 | **Rocky Mount Family YMCA, Rocky Mount,** Family Engineering Day.

173 | **Sylvan Heights Bird Park, Scotland Neck,** Featuring a Curious

Flock of Waterfowl, It's Not Easy Being Pink!, Scavenger Hunt.

174 | **A Time for Science, Grifton,** Afternoon Explorations: Earth Day Expo, Space & Astronomy Day.

SOUTHEASTERN

175 | **Cape Fear Museum, Wilmington,** Cape Fear Skies: Spring Constellations; Wonders of Light at the Learning Center.

176 | **Coastal Carolina Community College, Jacksonville,** Build a Bog with Carnivorous Plants.

177 | **Cumberland Co. Public Library & Information Center, Fayetteville,** Hope Mills and Spring Lake.

Experiments That Erupt; Kinder Science; LEGO Block Party; LEGO Competition; LEGO Free Play; LEGO Robots; Let's Build Something LEGO; Ooey Goopy Science Fun; Robotics; Science Jewelry: Beaded DNA Bracelets; Storm the Castle.

178 | **Fascinate-U Children's Museum, Fayetteville,** Discovery Science Night, Super Science Fun Fest.

179 | **Fayetteville Technical Community College, Fayetteville,** Fun with Temperature and Pressure: Absolute Zero Extrapolation.

180 | **Museum of the Cape Fear Historical Complex, Fayetteville,** History from the Ground.

181 | **Partnership for Children of Cumberland Co., Inc., Fayetteville,** Partnership's KidStuff at the Fayetteville Dogwood Festival.

182 | **Robeson Planetarium and Science Ctr., Lumberton,** Power of the Telescope; NASA Astrobiology Educator Workshop: Exploring the Origin of Life.

183 | **UNC-Pembroke Dept. of Chemistry and Physics, Pembroke,** A Living History of Marie Curie.

184 | **UNC-Wilmington Center for Marine Science, Wilmington,** MarineQuest Saturday Morning Marine Explorers; Modern Marine Science: Discovering Our Ocean.

185 | **UNC-Wilmington Youth Programs, Wilmington,** Literacy Live from the Kangaroo's Pouch: Mama Marsupials.

186 | **Wilmington Earth Day Alliance, Wilmington,** Earth Day Festival.

K-12 INITIATIVES

THE FESTIVAL IS EXTENDING ITS K-12 EDUCATION IMPACT WITH THE NEW THORP SCIENCE NIGHT PROGRAM.



◀ Thorp Science Night at UNC Hospital School

THORP SCIENCE NIGHTS

Participating School, Location

A. H. Bangert Elementary, Trent Woods.
 Barringer Academic Center, Charlotte
 Blue Ridge Elementary, Warrensville
 Bolivia Elementary, Bolivia
 Brooks Museums Magnet Elementary, Raleigh
 Cherokee Central, Cherokee
 Chesterbrook Academy, Huntersville
 Creedmoor Elementary, Creedmoor
 Dillard Drive Middle, Raleigh
 Douglas Elementary, Raleigh
 Eaton Elementary, Wilmington
 Englewood Elementary, Rocky Mount
 First Ward Elementary, Charlotte
 Florence Elementary, High Point
 Forrest Hunt Elementary, Forest City
 Frank Porter Graham Elementary, Chapel Hill
 Gaston Elementary, Gaston
 Harris Elementary, Forest City
 Hickory Grove Elementary, Charlotte
 Hope Valley Elementary, Durham
 James W. Smith Elementary, Cove City
 Lakewood Elementary, Durham
 Level Cross Elementary, Randleman
 Long Hill Elementary, Fayetteville
 Mary Scroggs Elementary, Chapel Hill
 Millbrook Elementary, Raleigh
 New Garden Friends School, Greensboro
 New Hope Elementary, Chapel Hill
 North Canton Elementary, Canton
 North Rowan Elementary, Spencer
 Northwood Temple Academy, Fayetteville
 Olde Providence Elementary, Charlotte
 Picket Elementary, Lexington
 Pleasant Gardens Elementary, Marion
 Polo Ridge Elementary, Charlotte
 Princeton Elementary, Princeton
 Providence Day School, Charlotte
 Rankin Elementary, Greensboro
 Richfield Elementary, Richfield
 Rosewood Elementary, Goldsboro
 Silverdale Leaders in Training Elementary, Maysville
 Southwood Elementary, Kinston
 St. Patrick School, Fayetteville
 Statesville Road Elementary, Charlotte
 Sunshine Elementary, Bostic
 Taylorsville Elementary, Taylorsville
 Tipton Hill Elementary, Green Mountain
 UNC Hospital School, Chapel Hill
 Warrenwood Elementary, Fayetteville
 Zeb Vance Elementary, Kittrell

Fifty North Carolina schools received kits filled with everything they needed to host Thorp Science Night (TSN) at their schools — instructions and supplies for 12 different hands-on activities for students and their families, a planning guide, promotional materials and more.

Each school chose its own date for an afternoon or evening program, invited families to participate and hosted a fun, educational celebration of science for its students, under the banner of the North Carolina Science Festival.

As part of TSN, students experimented with bubbles, made their own “gene bracelets” that identify some of their genetic traits (like ear lobe attachment), launched “stomp rockets” and conducted simple experiments with their parents’ assistance.

All North Carolina elementary schools were eligible to apply for a kit. Schools that did not receive kits could still participate by assembling their own kits. Downloadable instructions and supply lists were available through the Festival website.

The Thorp Science Night initiative was funded by an anonymous donor and named in honor of UNC-Chapel Hill Chancellor Holden Thorp.

RESEARCHERS VISITED HIGH SCHOOLS STATEWIDE FOR THE NEW INVITE-A-SCIENTIST PROGRAM.

INVITE A SCIENTIST

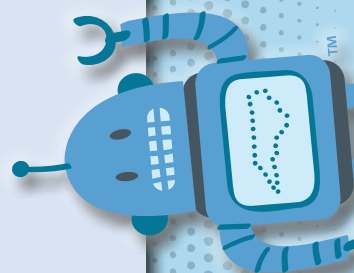
Scientist (Institution)	School Visited (Location)
Misha Angrist (Duke Univ.)	South Granville School of Integrated Technology and Leadership (Creedmoor)
Sandra Batista (UNC-Chapel Hill)	Winston-Salem Preparatory Academy (Winston-Salem)
John Brzorad (Lenoir-Rhyne Univ.)	Hickory Career & Arts Magnet School (Hickory)
Eric Carlson (Wake Forest Univ.)	North Surry H.S. (Mount Airy)
Karl Castillo (UNC-Chapel Hill)	Harnett Central H.S. (Angier)
Steve Churchill (Duke Univ.)	East Chapel Hill H.S. (Chapel Hill)
Tonya Coffey (Appalachian St. Univ.)	Watauga H.S. (Boone)
Stanley Faeth (UNC Greensboro)	T.W. Andrews H.S. (High Point)
Adam Hall (UNC Greensboro)	T.W. Andrews H.S. (High Point)
Ty Hedrick (UNC-Chapel Hill)	Massey Hill Classical H.S. (Fayetteville)
David Hinks (N.C. State Univ.)	Wakefield H.S. (Raleigh)
Jon Lawrie (N.C. Biotechnology Ctr.)	Wilkes Central H.S. (Wilkesboro)
Anat Lev (Gaston College)	West Lincoln H.S. (Lincolnton)
Catherine Marcinkiewicz (UNC-Chapel Hill)	Forbush H.S. (East Bend)
Tara Massie (NC BioNetwork)	Upper Room Christian Academy (Raleigh)
Yuko Miyamoto (Elon Univ.)	Graham H.S. (Graham)
Linda Niedziela (Elon Univ.)	Hugh M Cummings H.S. (Burlington)
Shonagh O’Leary-Moore (UNC-Chapel Hill)	Western Guilford H.S. (Greensboro)
Dan Reichart (UNC-Chapel Hill)	West Stokes H.S. (King)
Michelle Sabaoun (Brunswick Community College)	West Brunswick H.S. (Shallotte)
Tom Schmedake (UNC Charlotte)	Morgan School (Charlotte)
David Sherwood (Duke Univ.)	East Chapel Hill High (Chapel Hill)
Kathy Sulik (UNC-Chapel Hill)	The Early/Middle College at Bennett College for Women (Greensboro)
Rich Superfine (UNC-Chapel Hill)	T.W. Andrews H.S. (High Point)
Annelies Van Rie (UNC-Chapel Hill)	Cresset Christian Academy (Durham)
Jennifer Weller (UNC Charlotte)	Cabarrus Kannapolis Early College H.S. (Concord)

The Festival’s new “Invite A Scientist” program provides high school students with firsthand information about science careers just as each student begins to make major life decisions — What career interests me most? How much education do I need for that career? Which college would be best?

Scientists and researchers from 13 community colleges, public and private universities and research institutes visited classes at 23 high schools in 18 counties.

During each visit, the scientists talked about their current research projects and shared why they are passionate about science.

These “ambassadors for science” also helped graduating high school students understand what skills and knowledge they will need to succeed in college-level studies.



BE INVOLVED IN 2013!

THE FESTIVAL RETURNS APRIL 5–19, 2013. THERE ARE MULTIPLE WAYS THAT YOU CAN BE INVOLVED.

SPONSORSHIP

Be a part of every event of the North Carolina Science Festival. Sponsorships provide the support necessary to organize and promote this statewide initiative. Sponsors are recognized in promotional materials and receive special access to high-profile events.

HOST AN EXPO

Want to host an expo? We can help. We'll provide you coaching and contacts to get your expo started.

PARTICIPATE IN AN EXPO

Have an expo-style exhibit booth ready to go? Just let us know. We can match you with institutions hosting expos during the Festival. No exhibit, no problem. Many exhibitors make a big impact doing simple demonstrations and experiments in standard exhibition booths.

THORP SCIENCE NIGHTS

Create a special evening of science at a local school. The North Carolina Science Festival has developed a set of activities that volunteers can easily implement to create a fun, engaging experience for students, parents and teachers. The Festival's Thorp Science Night kits include tips for organizing volunteers, working with schools and promoting the evening. It also includes a starter set of supplies.



▲ Life Technologies Foundation participated in 2012 as both a sponsor and an expo presenter. "Gene," the Life Technologies mascot, made an appearance at the UNC Science Expo.

CONTACTS

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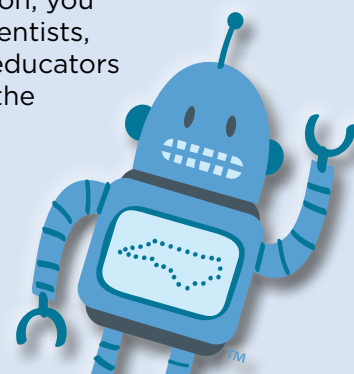
SCIENCE CAFÉS

Organize a special event at a restaurant, bar or other venue. Science cafés usually feature a speaker or a panel of speakers addressing a

science-themed topic. These are fun, casual events designed to engage the public in a conversation about science. The North Carolina Science Festival team provides organizers with a template for staging an event and can even provide assistance finding a speaker.

SCIENTISTS IN SCHOOLS

Teachers are hungry to connect their classrooms with the real world. If you have researchers working in your company or organization, you can help. You recruit the scientists, and we'll match them with educators teaching topics relevant to the scientists' work.



2013 SPONSOR BENEFITS

Sponsorship benefits are subject to change. While we plan to deliver these benefits, some benefits are contingent upon obtaining sponsorship funding. Illustrator/EPS/Vector logo must be submitted by Nov. 30, 2012, for inclusion in Festival print materials.

	Champion* \$100,000	Platinum* \$50,000	Gold* \$25,000	Silver \$10,000	Bronze \$5,000	Supporter \$2,500
FESTIVAL RECOGNITION						
Top billing on 2013 materials	✓					
Opportunity to appoint member of Festival advisory board	✓	✓				
Logo on signage, t-shirts and selected marketing collateral	✓	✓	✓			
Name on signage, t-shirts and selected marketing collateral				✓	✓	
VENUE RECOGNITION						
Logo placement on expo stages and sponsor signage	✓	✓	✓			
Pre-show signage recognition for signature events	✓	✓	✓	✓	✓	
Preferred exhibit space for expos and signature events	✓	✓	✓	✓	✓	
PRINT MATERIAL RECOGNITION						
Logo on front of program guide	✓	✓				
Logo in program guide	✓	✓	✓			
Name in program guide				✓	✓	✓
Logo on Festival banner (distribution to event hosts)	✓	✓	✓			
Logo on Festival posters (statewide distribution)	✓	✓	✓			
Name on Festival posters				✓	✓	
WEBSITE RECOGNITION						
Recognition on official Festival homepage	✓	✓	✓			
Listing with logo recognition and link	✓	✓	✓	✓	✓	
Listing with name and link						✓
Logo on Festival e-newsletter	✓	✓	✓			
Name recognition on Festival e-newsletters				✓	✓	
Feature in Festival e-newsletter	✓	✓	✓			
PUBLIC RELATIONS, MARKETING & MEDIA RECOGNITION						
Recognition in Festival print advertising	✓	✓	✓			
Name listing in news releases and public relations efforts	✓	✓	✓			
Invitation to select media events	✓	✓	✓	✓	✓	✓
GENERAL EVENT RECOGNITION AND BENEFITS						
Reserved tickets to select high-profile events	10	8	6	4	2	
Tickets to "meet & greet" events	2					
Signature priority event ticketing for sponsor's organization	✓	✓	✓	✓	✓	✓

* 1 opportunity at Festival Champion level, 4 at the Platinum Level, 6 at the Gold Level.



APRIL 13-29, 2012

The North Carolina Science Festival is made possible by the generous support of its sponsors.

FESTIVAL CHAMPION



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SUPPORTERS

Life Technologies Foundation • Dr. Nicholas B. Duck & Family

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