

NCS Science Fair

Chance favors the prepared mind. ~ Louis Pasteur

Neuse Charter School is excited to announce that the 2018-2019 Science Fair will be held November 19th and 20th! Science Fairs allow students to pursue their interests in science and technology. The winners of our school fair will advance to our Regional Fair, giving them the opportunity to move on to the NC Science and Technology Fair. Students advancing to the state level have the chance to win scholarships and monetary awards. This packet provides information on Rules and Procedures, the Research Paper, and Helpful Sites. All forms mentioned are accessible through www.ncsciencefair.org



September 11, 2018

Topic approval by teacher (Forms 1, 1A, 1B, and Research Plan MUST BE COMPLETED and signed off on prior to any experimentation).

September 2018 through November 2018

Research, conduct experiment, log data, write final analysis. Must follow guidelines according to ncsciencefair.org. Students may collaborate, however, groups may not have more than 3 participants. Projects will be pre-judged by classroom teachers according to the Science Fair Rubric. Up to 20 from each grade level may move on to NCS Science Fair.

November 19, 2018

NCS Science Fair (set-up and judging). Winners moving on to Regionals must register online by January 26th.

November 20, 2018

NCS Science Fair Showcase and Celebration

February 10, 2018

Regional Science Fair Hillside High School, Durham

ELEMENTARY DIVISION

Grades 3-5

8 PROJECTS

may be submitted by
NCS to the Regional
Science Fair

JUNIOR DIVISION

Grades 6-8

14 PROJECTS

may be submitted by
NCS to the Regional
Science Fair; 2 in
each category

SENIOR DIVISION

Grades 9-12

14 PROJECTS

may be submitted by
NCS to the Regional
Science Fair; 2 in
each category

Categories

Biological (A and B); Chemistry; Earth and Environmental; Engineering; Physics and Mathematics; Technology

NCS Rules, Regulations, and Expectations

No more than three students in a team.

The following forms must be completed and available to judges:

Checklist for Adult Sponsor

Student Checklist

Research Plan

Approval Form

Human Subjects (if used as participants in project)

Size of Project:

Depth (front to back): 30 in or 76 cm

Width (side to side): 48 in or 122 cm

Height (floor to top): 108 in or 274 cm

Maximum project size includes all project materials, supports, and demonstrations.

Please note that NCS will allow the use of demonstrations. However, any project displaying at Regionals will not be allowed to include demonstrations.

Not allowed at Project or in Booth:

Live animals

Waste samples

Human/animal parts or body fluids (taxidermy specimens okay)

Hazardous substances

Sharp items

Flames or flammable materials

Batteries with open-top cells

Allowed with Restrictions:

Any apparatus with unshielded belts, pulleys, chains, or moving parts with tension or pinch points must be for display only

Any electrical components must be UL-listed

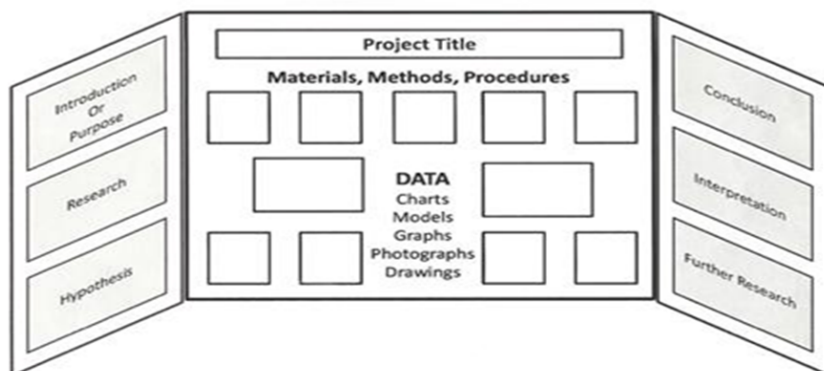
Photographs and/or Visual Depictions:

Must not be offensive or inappropriate
Should have credit lines ("Photograph taken by..." or "Image taken from...")

Photographs of finalist are allowed

Photographs of human subjects must have consent forms

Photographs or other visual presentations depicting animal in surgical techniques, dissections, etc.



NCS Research Paper

Must include the following for grades 3-12 using APA format:

- Title page
- Abstract (an abbreviated version of your final report completed AFTER project)
- Table of contents
- Question, variables, and hypothesis
- Background research (should be conducted BEFORE you start your experiment)
- Materials list
- Experimental procedure
- Data analysis and discussion
- Conclusions
- Bibliography

Helpful Sites for Students and Parents:

Doing a Science Fair Project

<http://www.ncsciencefair.org/index.php/students-a-parents/doing-a-science-fair-project>

Resources

http://www.sciencebuddies.org/science-fair-projects/student_resources.shtml

Forms

<http://ncsciencefair.org/index.php/students-a-parents/forms>

Awards

<http://ncsciencefair.org/index.php/current-fair/awards>