

ELIGIBILITY REQUIREMENTS

Dr. Nelson Ying Science Competition at the Orlando Science Center

The following are the Eligibility Requirements and details for entering the Orlando Science Center Dr. Nelson Ying Science Competition:

- Be a bona fide resident of the Orlando Science Center (OSC) 8 County Service Area in Florida: (Brevard, Lake, Marion, Orange, Osceola, Polk, Seminole, Volusia)
- Be a high school student or home school equivalent (grades 9, 10, 11, & 12)
- Have a letter of reference from their science teacher
- Have a project in one of the Physical Science Categories:
 - Chemistry
 - Computer Science
 - Earth and Space Sciences
 - Engineering
 - Environmental Sciences
 - Mathematics
 - Physics
- Submit a paper on a science project to the following requirements:
 - An abstract or executive summary of one page.
 - O No more than 10 pages, double-spaced, type size 12.
 - o References and appendix no more than 5 double-spaced pages.
- Submit an Application that is found on this website, a Project Summary and Certification.
- If invited, perform an oral presentation of the paper no more than 20 minutes in length, and be prepared to answer questions on at OSC.
- Identify any mentors and their role in the project.
- Submit papers before the deadline. Late papers will not be reviewed.



Criteria for Judging:

Five (5) finalists will be determined on the written research report in a judges meeting. Judging of oral presentations, examinations, and evaluation of all other aspects will determine the winner.

Judges will be composed of a distinguished panel of local Central Florida educators, scientists, and industry leaders.

The winner will be judged on the following criteria:

- Originality of the research looking into the future benefit to humanity
- Student's work versus role of mentor
- Point of departure for hypothesis and its relationship to current scientific knowledge (State of the practice)
- Validity of conclusions
- Experimental work and set-up
- Documentation of scientific research supporting the project
- Use of the Scientific Method
- Oral Presentation
 - Substance of the project
 - o Discussion of future potential of project
 - Clarity
 - Ability to engage in discussion

Information:

email: competitions@osc.org

phone: 407-514-2112 fax: 407-514-2067