



Scientifica is a Durham Public Schools initiative started with the intent of nurturing students' scientific interests and curiosities. The program seeks to foster a spirit of learning and innovation by broadening students' horizons through exposure to science, math and engineering. Scientifica is a selective four year program open to rising 9th through 12th graders. In addition there are **Scientifica Clubs** open to all interested students in each school.

Students in the 9th and 10th grades will have the opportunity to work in small groups on scientific projects with an accomplished undergraduate mentor. 11th and 12th grade students are encouraged to conduct independent research and are mentored by accomplished scientists. The research projects will be considered for entry into a variety of science competitions.

Admitted students are required to attend a monthly meeting and must be willing and ready to perform advanced science, math or technology work and complete a science fair project. The program seeks to accept students that have demonstrated academic commitment and are highly motivated, hardworking and passionate about the sciences.

Juniors and seniors who have contributed significantly to the program and have demonstrated active engagement in their research work will be eligible for a \$1000 scholarship. This scholarship is sponsored through a grant from The Burroughs Wellcome Fund Student Science Enrichment Program.

Parents of Scientifica scholars are required to volunteer time when possible and may be called upon to offer resources. Parents form an integral component of a child's success, and Scientifica believes strongly in parent involvement. The basis of the program lies in team work and group effort so parents are often asked for help with items including time, scientific knowledge, internship information, transportation and fundraising.

Deadline for the application is April 29, 2011

You are invited to attend and observe the next monthly Scientifica meeting on April 9th, 2011, from 10 AM to 2 PM. Lunch will be provided. Please RSVP to Dr. Jeffrey LaCosse at email address jeffrey.lacosse@dpsnc.net . We will have a short information and question/answer session during lunch. You are encouraged to speak with the scholars and mentors at the meeting to learn more about the program.

Interviews will be held during the 1st week in May.

Students will be informed of the selection results during the 3rd week in May.



Application for High School Students

It is your responsibility to submit all the necessary materials with your application on or before the due date. Motivated students with high potential will be interviewed prior to selection. Please include a copy of your most recent official high school transcript along with a copy of PSAT, SAT, or ACT test scores.

Send completed application to:

Dr. Jeffrey LaCosse
Durham School of the Arts
400 North Duke Street
Durham, NC 27701

For questions or comments, please email Jeffrey LaCosse at jeffrey.lacosse@dpsnc.net .

Please include the following documents in your application:

1. Completed application form
2. A typed response to each of the following questions (use less than 250 words per answer):
 - a. Why are you interested in Scientifica? Specifically, how will being a member of Scientifica help you achieve your future college and career goals?
 - b. Why are you interested in science? What areas of science are you interested in?
 - c. What do you expect to gain from working with a mentor? What would you consider to be a “good” mentor?
 - d. Are there any specific science or math competitions or research experiences that you wish to take part in? If so, how many hours per week would you be willing to spend to complete the necessary work?
3. A sealed Teacher Evaluation Form from a current science teacher familiar with your academic work (The applicant should not see any of the teacher’s responses.) The electronic copy of the form can be directly sent to jeffrey.lacosse@dpsnc.net .

All components of the application must be submitted on or before **April 27th 2010**. Please attach extra sheet (s) if needed.



Applicant Information

Name:	Racial/Ethnic Origin:
Address:	Country of Citizenship:
City:	Current Grade:
Zip Code:	Date of Birth:
Telephone Number:	Gender:
E-Mail Address:	

Area of Science Interest

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Parent/Guardian Information

Name:
Address:
Telephone Number:
E-Mail:

2010-2011 High School Information

Name of School:	Current Science Teacher:
Address:	Phone number:
City:	Current School Counselor:
Zip Code:	Phone number:

Testing Information

PSAT (Math/Verbal/Writing):	Cumulative GPA:
SAT (Math/Verbal/Writing):	Class Rank:
ACT (Math/Verbal):	

How did you hear about Scientifica? (Check all that apply)

<input type="checkbox"/> Teacher	<input type="checkbox"/> Parent	<input type="checkbox"/> Search Engine
<input type="checkbox"/> Friend	<input type="checkbox"/> DCPSS Website	<input type="checkbox"/> Other (_____)

Activities and Academic Goals

List all academic honors, prizes, and scholarships

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List all extra-curricular activities and special interests

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Indicate any leadership positions you have held

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Describe how you have spent your last two summers.

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Does your school take part in any science competitions or have a science fair?

- If so, have you participated in any?
- What was the name of the competition?
- If not, have you participated in any competitions individually?

Does your school offer Honors or AP classes?

- If so, list any advanced classes past/presently taken and your numerical average in them

List the high school science and mathematics courses which you have completed

- Provide a numerical average for each course

Have you applied for any other summer program?

- Please list the name of the program and the starting date

Family Background

Father's Name (Last, First):
Father's Occupation:
Father's highest level of education:

Mother's Name (Last, First):
Mother's Occupation:
Mother's highest level of education:

Describe any disabilities, serious illnesses, chronic illnesses, or significant allergies:

Certification of Statements

Student Statement

If selected for the program, I agree to give my full effort and comply with the rules of the program.

Student's signature

Date

Parent/guardian Statement

If my child is selected for the program, I will fully support him/her and the program.

Parent's signature

Date

I can help the program by volunteering for: (e.g. Computer, travel, internship in lab, etc)
