

I.D.: 08 _____
(OFFICE USE)

APPLICATION FORM

Confidential when filled out

IMPORTANT: For full consideration, this application must be received on or before March 5, 2010 by first class or certified mail.

Research Experience in Chemistry, Astronomy and Physics

A statewide program of The North Carolina School of Science and Mathematics funded by a grant from The North Carolina Glaxo SmithKline Foundation.

School _____

County _____

Instructions to Student:

SECTION 1: To Be Completed By The Student

1. Fill out your part of this application as soon as possible.

You must give the teacher who is evaluating you and your school guidance counselor sufficient time to complete their portions before deadline.

2. Before you begin, read the information published on the RECAP web page:

<http://courses.ncssm.edu/bennett/RECAP>

3. Complete Section 1, reading the directions thoroughly and following them carefully. Be sure to answer every question. Print neatly using black ink. When you've finished, you and a custodial parent or guardian must sign at the bottom of Section 1 / Part E.

4. After you finish Section 1, take the application to a science teacher who has taught you. The teacher and school guidance counselor will complete the form and mail it to RECAP.

5. All sections of the application must be mailed together from the school counselor's office.

SECTION 1 / PART A

Basic Information and Demographic Data

LAST NAME FIRST MIDDLE E-MAIL ADDRESS PREFERRED NAME, IF NOT FIRST

Gender*: M F

Current grade: 10th 11th

Date of birth: _____

Current age*: _____

*SEE EQUAL OPPORTUNITY STATEMENT ON PAGE 8.

Ethnic group*:

Native American
(including Alaskan native)

Asian (including Pacific Islander)

White (non-hispanic)

African-American (non-hispanic)

Hispanic (Mexican, Puerto Rican,
Cuban, Central or South American,
or other Spanish origin, regardless of race)

Other (specify) _____

Are you currently planning to attend college? (Information for research purposes only) Yes No

Your mailing address: (This is for purposes of communication with you. Give us your address.)

POST OFFICE BOX OR COMPLETE STREET ADDRESS CITY COUNTY STATE ZIP CODE

TELEPHONE NUMBER SOCIAL SECURITY NUMBER (information for internal identification purposes only)

Did/will your custodial parent or guardian live in North Carolina as of December 1, 2009? Yes No

Give us this information about that custodial parent or guardian.

LAST NAME FIRST MIDDLE RELATIONSHIP TO YOU

POST OFFICE BOX OR COMPLETE STREET ADDRESS CITY COUNTY IN NC ZIP CODE

TELEPHONE NUMBER

If you do *not* live with the person above, also give us this information about an adult with whom you do live.

LAST NAME FIRST MIDDLE RELATIONSHIP TO YOU

How did you hear about Research Experience in Chemistry, Astronomy and Physics?

S.C.: _____
(OFFICE USE)

SECTION 1 / PART B

Information For Admissions Committee

The admissions committee evaluates both your academic record and your motivation to pursue science activities beyond your classwork. Thus, it is important that you give as complete a picture as possible of your participation in such activities both prior to and during high school.

Circle all the grades you were in when you did any of the following activities:

Belonged to science club	Before 9th	9th	10th	11th
Belonged to mathematics club	Before 9th	9th	10th	11th
Belonged to computer club	Before 9th	9th	10th	11th
Entered math competition	Before 9th	9th	10th	11th
Entered science competition	Before 9th	9th	10th	11th
Entered technology competition	Before 9th	9th	10th	11th
Participated in the MSEN Pre-College Program	Before 9th	9th	10th	11th
Participated in Summer Ventures in Science & Math	Before 9th	9th	10th	11th

If you circled any of the above activities beyond 8th grade, please provide amplifying information regarding **1)** the names of all competitions or clubs **2)** any awards and recognitions you received, and **3)** the titles or subjects of projects you entered in competition. **4.)** other club projects that you feel are important to tell us about.

If space provided is not sufficient to adequately answer these questions, please add an attachment.

Do not abbreviate names of programs.

List other activities and independent projects, outside of regular class work, including extra curricular and sports. Include such items as hobbies that are based on problem-solving; mathematics, science, and computer projects and badges in 4-H and Scouts, attendance at science or math camps; participation in Am.H.S.MathExam and application to the North Carolina School of Science and Mathematics or to other academic science and mathematics programs. Please give full names and locations of programs, and indicate if you completed each one. Do not repeat items given above.

Describe any voluntary or paid work you have done.

Tell us what careers you are currently considering; check as many as you wish. If you have no idea at all about your career choice, mark "undecided."

- | | | |
|--|---|--|
| <input type="checkbox"/> mathematician/actuary/statistician | <input type="checkbox"/> writing/editing/publications | <input type="radio"/> academic/educator |
| <input type="checkbox"/> scientist (bio/chem./physics, archeology, etc.) | <input type="checkbox"/> artists/graphics | <input type="radio"/> service/customer support |
| <input type="checkbox"/> medical doctor/nurse/practitioner | <input type="checkbox"/> executive/managerial/company owner | <input type="radio"/> clerical / sales / marketing |
| <input type="checkbox"/> computer/technical/engineering | <input type="checkbox"/> law/law enforcement/judicial | <input type="radio"/> tradesman / craftsman |
| <input type="checkbox"/> finance/banking | <input type="checkbox"/> counseling/social work | <input type="radio"/> undecided |
| | | <input type="radio"/> other |

What would you contribute to the RECAP program should you be accepted?

Lab Placement Information

Rate your current relative interests in: (circle number)

Chemistry: **Low Interest** **High Interest**Physics: **Low Interest** **High Interest**Astronomy: **Low Interest** **High Interest**

Current Computer Experience (check all skills that apply):

- | | |
|---|--|
| <input type="checkbox"/> Visual Basic Programming | <input type="checkbox"/> A+ Programming |
| <input type="checkbox"/> C++ Programming | <input type="checkbox"/> Software Development |
| <input type="checkbox"/> Perl/ Java Programming | <input type="checkbox"/> Web Design |
| <input type="checkbox"/> Database/Spreadsheet Programming | <input type="checkbox"/> Other please specify: _____ |

List any hands-on mechanical skills/experiences that may be helpful in a laboratory setting (woodworking, engine repair/maintenance, experience with tools, etc.)

Check your preference for research venue:**OPTION 1:**

- I prefer to design and build my own research project to be carried out at NCSSM science research labs under the guidance of an NCSSM science research instructor.

(note: Option 1 requires a written research proposal. A draft is due by June 16. Final draft of proposal is due July 12.)

List possible project ideas: _____

OPTION 2:

- I prefer to contribute to an ongoing research project at UNC-Chapel Hill under the guidance of a UNC-CH science professor.

See RECAP website for a current listing of UNC-CH faculty-sponsored research projects. Students who choose Option 2 will have the opportunity to express a preference for research project after acceptance to RECAP.

SECTION 1 / PART D

Special Needs Information

In doing placement of students who are accepted, we need to take into consideration factors that may limit a student's activities, require special assistance or preparation at the institute site, or affect site or assignments.

1. Do you have a physical handicap that requires special attention?* Yes No
If yes, please describe: _____
2. Do you have a learning disability?* Yes No
If yes, please describe: _____
3. Is English a second language for you?* Yes No

SECTION 1 / PART E

Releases and Signatures

- The information that has been given above by the student is true and accurate.
- We have read the RECAP website information and understand that the program is academically rigorous and meant for students who are academically talented, actively pursuing an interest in science, self-motivated, and able to handle the responsibility of being away from home for three weeks.
- We understand that in addition to the three-week summer program, all RECAP students are required to complete a background literature review paper and research proposal during March-June and completed research paper by October 1.
- **We understand that if the student is accepted and wishes to attend, he or she will be required to be in attendance the entire three-week period.**
- We understand that although tuition, room, board, and fees are provided **free of charge** the student's family or guardian must assume responsibility for transportation to and from the site, pocket money for the student's incidental personal expenses, and payment for any medical expenses incurred by the student during the institute.
- If the student is accepted to RECAP, we agree to adhere to its rules and regulations concerning students' responsibilities in the academic and the residential life programs. We understand that the directors have the right to dismiss any student whose behavior is not consistent with the goals and standards of RECAP.
- We agree to let information in this application and other records resulting from the student applying to and attending RECAP be used in approved research and be made available on a confidential basis to the student's home school and other educational institutions. If the student is accepted, we agree that this application may be given to appropriate RECAP personnel as a source of information about the student.
- We agree that the student will participate in the completion of questionnaires and other appropriate and approved research projects done as part of the program's evaluation. We also agree that photographs of the student taken during the program, papers written by the student during the program, and similar items may be used by RECAP in reports and public information materials. We further agree to allow RECAP to release for educational purposes photographs and video recordings, with or without audio, of RECAP activities and projects involving the student.
- We agree: **1)** that so-called directory information about the student, including student's name and address, school, year in school, and parents' names and address may be released at the discretion of the RECAP administrative staff to other educational programs that would like to send brochures and application forms to RECAP applicants and **2)** that, if the student is accepted to RECAP, this information may be used in press releases, student directories, and similar publications.
- We request that all school records and data in support of the student's application to RECAP be made available to RECAP officials, and we agree that the home school may release a copy of the student's current academic transcript for review by the RECAP Admissions Committee.
- We understand that since admissions materials are not covered under the Buckley Amendment (Family Rights and Privacy Act), **all materials obtained by RECAP as part of the admissions process are confidential and are not available for review by the applicant and parents or guardian.**

***Both signatures are required
for the application to be accepted.***

STUDENT'S SIGNATURE

DATE

CUSTODIAL PARENT/GUARDIAN'S SIGNATURE

DATE

Instructions to Teacher:

SECTION 2: To Be Completed By Science Teacher Who Has Taught the Student

Thank you for agreeing to fill out this evaluation. Please keep the application intact and pass it on to your school's guidance counselor after you have completed Section 2. The RECAP office cannot accept applications that are submitted in separate pieces.

RECAP is a highly competitive program, and we need the help of the state's science teachers to assure that students who can best benefit from the program are the ones who are invited and the particularly, that the student will be successful working independently in reserach. Before you fill out this evaluation, please read the information on the RECAP website: <http://courses.ncssm.edu/bennett/RECAP>

RECAP will not make your evaluation available to the student, parents, or guardian for review. If you do not feel comfortable about making this evaluation on your own, feel free to consult with other teachers and the school's guidance staff.

These points are important to keep in mind in doing this evaluation:

1. **RECAP is designed specifically for academically talented students who are actively pursuing an interest in science and mathematics.** Participants do not need to be formally identified AG students, but they should be of **high intellectual ability.**
2. **This program has been designed for students who are already strongly self-motivated and academically disciplined.** Some students may not be fulfilling their high academic potential because they may not be truly interested in academic success or may lack self-discipline. It is unlikely that such students will be able to cope with the academic demands of RECAP. However, consideration will be given to students who are academically talented but whose grades or standardized test scores do not reflect this accurately for reasons **unrelated** to motivation. Some examples are students with hearing impairments, cerebral palsy, or learning disabilities; students for whom English is a second language; students whose education has been disrupted by moving or family problems; and students who have not had good educational opportunities.
3. RECAP students will live for three weeks on the NCSSM campus. Although they will have residential advisors, for the sake of the students themselves it is essential that only those who are able to handle the responsibility of being away from their parents' or guardians' supervision for three weeks be recommended for the program.
4. This program concentrates on chemistry/physics/astronomy. It is designed so that students are deeply involved in one of these topics for many hours each day. **Students who do well in science but whose main interests are in other fields may be quite unhappy in this program.**

Taking all factors into account, please give us your best evaluation of this student.

Please supplement the above evaluation with a separate written statement.

Use the scale provided to rate the student in the following areas. In rating the student please compare the applicant with other students you have taught who had strong interest and talent in science and mathematics. If you have not had sufficient experience with the student in a particular area, circle 0.

To what degree is the student:	low				high	unfamiliar
Strongly interested in science?	1	2	3	4	5	0
Committed to spending three weeks in intensive study of physics, chemistry or astronomy?	1	2	3	4	5	0
Likely to be successful working independently in a research lab?	1	2	3	4	5	0
Academically suited for a three-week intensive program in science?	1	2	3	4	5	0
Ready to handle the responsibility of attending a three-week residential program away from home?	1	2	3	4	5	0

Comment below on any responses of 1 or 5 that you have circled above. Any other comments on why you feel this student is qualified to attend a three-week intensive program in science and mathematics are also requested.

Teacher's Name (please print):

Teacher's Signature:

Date:

Course(s) in which you taught student: _____

Check here only if applicable: This student is academically self-motivated and disciplined but has not maintained an academic record that reflects his/her abilities because of the following factor(s) (see paragraph 2 above):

SECTION 3 / PART B

Special Needs Information

Please confirm and respond to Student's remarks regarding Special Needs on page 4, Section 1/Part D:

SECTION 3 / PART C

Application Checklist

Each year numerous applications are received with incomplete information. Listed below are the items most frequently omitted from an application. Please take a few moments to see that the information listed below is on the application.

- Page 1 Date of Birth
 Social Security Number
- Page 2 Career Choice
- Page 3 Choice of Research Venue
- Page 4 Physical Handicap and Type Indication
 Learning Disability Indication
 English as a Second Language Indication
 Student's Signature
 Custodial Parent/Guardian's Signature
- Page 5 Teacher's Signature
- Page 6 Cumulative Grade Point Average (unweighted is required)
 Courses and Letter Grades (including this year)
 Standardized Test Scores, Form and Year Taken
 NC End-of-Course Testing Results
- Transcript Transcript is attached

SECTION 3 / PART D

School Information

FULL SCHOOL NAME		POST OFFICE BOX OR COMPLETE STREET ADDRESS	
<hr/>		<hr/>	
CITY	COUNTY	STATE	ZIP CODE
<hr/>	<hr/>	<hr/>	<hr/>
GUIDANCE DEPARTMENT TELEPHONE NUMBER		COUNSELOR'S E-MAIL ADDRESS	
<hr/>		<hr/>	
COUNSELOR'S NAME (PLEASE PRINT)	COUNSELOR'S SIGNATURE	DATE	
<hr/>	<hr/>	<hr/>	

Please attach a copy of student transcript.

When this form is completed, mail to:

Dr. Jonathan Bennett
The North Carolina School of Science and Mathematics
1219 Broad Street
Durham, North Carolina 27705

Please make sure that all three sections are together. **For full consideration, applications must be received on or before March 5, 2010. Applications postmarked after this date will be returned.**

Thank You!

***EQUAL OPPORTUNITY INFORMATION**

State government policy prohibits discrimination based on race, sex, color, creed, national origin, age, or handicap. The sole purpose of gathering this information is to ascertain the effectiveness of recruitment efforts in reaching all segments of the population and to insure that proper facilities are available to serve all students selected for admission.