

Howard Hughes Medical Institute and the University of Miami Biology Department

**RESEARCH IN ECOLOGY 2009**  
**STUDENT APPLICATION**

Student name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_

Telephone number, including area code: (\_\_\_\_\_) \_\_\_\_\_

Social Security number: \_\_\_\_\_

Dade County Student ID # (mandatory) \_\_\_\_\_

**Gender:** male \_\_\_\_\_ female \_\_\_\_\_

Date of birth: (month/date/year) \_\_\_\_\_

**Ethnicity:** White (non-Hispanic) \_\_\_\_, Black \_\_\_\_, Hispanic \_\_\_\_, Asian \_\_\_\_,  
Pacific Islander \_\_\_\_, American Indian or Alaskan Native \_\_\_\_

Name of Parent or Guardian with whom you live: \_\_\_\_\_

Full name of school that you are presently attending: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

School telephone number: (\_\_\_\_\_) \_\_\_\_\_

**What is the name of your sixth grade science teacher?**

\_\_\_\_\_

**Indicate grade in which you were enrolled as of this past September. (circle one)**

Grade:      6      7      8      9      10      11      12

**Which best describes the location of your school? (check one)**

\_\_\_\_\_ Large-size city                      \_\_\_\_\_ Small town

\_\_\_\_\_ Suburb of a large city              \_\_\_\_\_ Rural Area

\_\_\_\_\_ Medium-size city

**Please select the type of school this is. (check one)**

\_\_\_\_\_ Public

\_\_\_\_\_ Private non-religious

\_\_\_\_\_ Private religious

\_\_\_\_\_ Don't know

**Whom do you think had the most influence on whether you took science or math courses?**

\_\_\_\_\_ I did

\_\_\_\_\_ Friends

\_\_\_\_\_ Counselors

\_\_\_\_\_ Teachers

\_\_\_\_\_ Parents/Guardians

\_\_\_\_\_ Brothers/Sisters

**Check all of the following courses that you have completed or are currently taking. Please also indicate if there was/is a lab activity with the course.**

<b>Mathematics/Computer Science</b>	<b>Check below if there was lab activity</b>
Mathematics, grade 6	
Mathematics, grade 7	
Mathematics, grade 8	
Pre-algebra	
Algebra, first year	
Algebra, second year	
Geometry	
Trigonometry	
Computer Science/Programming	
Probability/Statistics/Discreet Mathematics	
Advanced Mathematics, Pre-Calculus	
Calculus	
AP Calculus	

<b>Science</b>	<b>Check below if there was lab activity</b>
Science, grade 6	
Science, grade 7	
Science, grade 8	
Biology	
Environmental/Life Sciences	
Chemistry	
Physics	
Physical Science	
Earth/Space Sciences	
Principles of Technology	
Advanced Science/AP Science	
Other Advanced Science	

**What is your approximate average this year in all subjects combined?  
(circle one)**

A            B            C            D            F            Classes not graded

**For each of the school subjects listed below, select the statement that best describes your grades from sixth grade until now.**

**English:**

- \_\_\_\_\_ Mostly 'A's (90 - 100)
- \_\_\_\_\_ Mostly 'B's (80 - 89)
- \_\_\_\_\_ Mostly 'C's (70 - 79)
- \_\_\_\_\_ Mostly 'D's (60-69)
- \_\_\_\_\_ My classes are not graded

**Mathematics:**

- \_\_\_\_\_ Mostly 'A's (90 - 100)
- \_\_\_\_\_ Mostly 'B's (80 - 89)
- \_\_\_\_\_ Mostly 'C's (70 - 79)
- \_\_\_\_\_ Mostly 'D's (60-69)
- \_\_\_\_\_ My classes are not graded

**Science:**

- \_\_\_\_\_ Mostly 'A's (90 - 100)
- \_\_\_\_\_ Mostly 'B's (80 - 89)
- \_\_\_\_\_ Mostly 'C's (70 - 79)
- \_\_\_\_\_ Mostly 'D's (60-69)
- \_\_\_\_\_ My classes are not graded

**Social Studies:**

- \_\_\_\_\_ Mostly 'A's (90 - 100)
- \_\_\_\_\_ Mostly 'B's (80 - 89)
- \_\_\_\_\_ Mostly 'C's (70 - 79)
- \_\_\_\_\_ Mostly 'D's (60-69)
- \_\_\_\_\_ My classes are not graded

**How far in school would you like to go? I would like to...**

- \_\_\_\_\_ drop out of high school
- \_\_\_\_\_ graduate from high school, but won't go any farther
- \_\_\_\_\_ go to vocational, trade or business school after high school
- \_\_\_\_\_ attend college
- \_\_\_\_\_ graduate from college
- \_\_\_\_\_ attend a higher level school after graduating from high school

**If you plan to go to college, list your choice of majors:**

**First choice:**

- |                                              |                                        |
|----------------------------------------------|----------------------------------------|
| ___ Agriculture and Natural Resources        | ___ Library Science                    |
| ___ Architecture and Environmental Design    | ___ Mathematics/Mathematical Sciences  |
| ___ Biological Sciences                      | ___ Military Sciences                  |
| ___ Business and Commerce                    | ___ Philosophy, Religion, and Theology |
| ___ Communications                           | ___ Astronomy                          |
| (Advertising, Journalism, etc.)              | ___ Chemistry                          |
| ___ Computer and Information Sciences        | ___ Environmental Sciences             |
| ___ Education                                | (Earth/Atmospheric Sciences, Geology)  |
| ___ Engineering and Engineering Technologies | ___ Physics                            |
| ___ Foreign Languages/Classical Languages    | ___ Psychology                         |
| ___ Health Professions                       | ___ Social Sciences (e.g., Economics,  |
| (e.g., Nursing, Pre-medicine)                | Political Science, Sociology)          |
| ___ Home Economics                           | ___ Technical/Vocational               |
| ___ Language and Literature                  | ___ Other                              |

If you selected "other," please specify: \_\_\_\_\_

**Second choice:**

- |                                                                   |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Agriculture and Natural Resources        | <input type="checkbox"/> Library Science                       |
| <input type="checkbox"/> Architecture and Environmental Design    | <input type="checkbox"/> Mathematics/Mathematical Sciences     |
| <input type="checkbox"/> Biological Sciences                      | <input type="checkbox"/> Military Sciences                     |
| <input type="checkbox"/> Business and Commerce                    | <input type="checkbox"/> Philosophy, Religion, and Theology    |
| <input type="checkbox"/> Communications                           | <input type="checkbox"/> Astronomy                             |
| <input type="checkbox"/> (Advertising, Journalism, etc.)          | <input type="checkbox"/> Chemistry                             |
| <input type="checkbox"/> Computer and Information Sciences        | <input type="checkbox"/> Environmental Sciences                |
| <input type="checkbox"/> Education                                | <input type="checkbox"/> (Earth/Atmospheric Sciences, Geology) |
| <input type="checkbox"/> Engineering and Engineering Technologies | <input type="checkbox"/> Physics                               |
| <input type="checkbox"/> Foreign Languages/Classical Languages    | <input type="checkbox"/> Psychology                            |
| <input type="checkbox"/> Health Professions                       | <input type="checkbox"/> Social Sciences (e.g., Economics,     |
| <input type="checkbox"/> (e.g., Nursing, Pre-medicine)            | <input type="checkbox"/> Political Science, Sociology)         |
| <input type="checkbox"/> Home Economics                           | <input type="checkbox"/> Technical/Vocational                  |
| <input type="checkbox"/> Language and Literature                  | <input type="checkbox"/> Other                                 |

If you selected "other," please specify: \_\_\_\_\_

**Third choice:**

- |                                                                   |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Agriculture and Natural Resources        | <input type="checkbox"/> Library Science                       |
| <input type="checkbox"/> Architecture and Environmental Design    | <input type="checkbox"/> Mathematics/Mathematical Sciences     |
| <input type="checkbox"/> Biological Sciences                      | <input type="checkbox"/> Military Sciences                     |
| <input type="checkbox"/> Business and Commerce                    | <input type="checkbox"/> Philosophy, Religion, and Theology    |
| <input type="checkbox"/> Communications                           | <input type="checkbox"/> Astronomy                             |
| <input type="checkbox"/> (Advertising, Journalism, etc.)          | <input type="checkbox"/> Chemistry                             |
| <input type="checkbox"/> Computer and Information Sciences        | <input type="checkbox"/> Environmental Sciences                |
| <input type="checkbox"/> Education                                | <input type="checkbox"/> (Earth/Atmospheric Sciences, Geology) |
| <input type="checkbox"/> Engineering and Engineering Technologies | <input type="checkbox"/> Physics                               |
| <input type="checkbox"/> Foreign Languages/Classical Languages    | <input type="checkbox"/> Psychology                            |
| <input type="checkbox"/> Health Professions                       | <input type="checkbox"/> Social Sciences (e.g., Economics,     |
| <input type="checkbox"/> (e.g., Nursing, Pre-medicine)            | <input type="checkbox"/> Political Science, Sociology)         |
| <input type="checkbox"/> Home Economics                           | <input type="checkbox"/> Technical/Vocational                  |
| <input type="checkbox"/> Language and Literature                  | <input type="checkbox"/> Other                                 |

**If you plan to go to college, what career field do you think you would like to try after finishing school?**

- |                                                                             |                                                                          |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> Engineering                                        | <input type="checkbox"/> Other field not in science, engineering or math |
| <input type="checkbox"/> Business                                           | <input type="checkbox"/> Don't know                                      |
| <input type="checkbox"/> Law                                                | <input type="checkbox"/> Don't plan to go to college                     |
| <input type="checkbox"/> Computer Technology                                |                                                                          |
| <input type="checkbox"/> Medical Research                                   |                                                                          |
| <input type="checkbox"/> Health Practitioner (e.g., Nurse, Doctor, Dentist) |                                                                          |
| <input type="checkbox"/> College Professor - Math or Science                |                                                                          |
| <input type="checkbox"/> College Professor - not Math or Science            |                                                                          |
| <input type="checkbox"/> Elementary/Secondary Teacher - Math or Science     |                                                                          |
| <input type="checkbox"/> Elementary/Secondary Teacher - not Math or Science |                                                                          |

**How likely is it that you will become a scientist, engineer, or mathematician, or teach in these fields in the future?**

- Better than 50% chance.
- 50% chance
- Less than 50% chance

**What is the highest level of schooling completed by your mother or female guardian?**

- Did not finish high school
- Graduated from high school GED
- Attended a vocational school
- Attended a junior college
- Attended a community college
- Attended another two-year school
- Went to college but did not complete 4-year degree
- Don't know
- Bachelor's degree
- Master's degree or equivalent
- Master's degree or equivalent
- Ph.D., M.D. or other advanced professional degree

**What is the highest level of schooling completed by your father or male guardian?**

- Did not finish high school
- Graduated from high school GED
- Attended a vocational school
- Attended a junior college
- Attended a community college
- Attended another two-year school
- Went to college but did not complete 4-year degree
- Don't know
- Bachelor's degree
- Master's degree or equivalent
- Master's degree or equivalent
- Ph.D., M.D. or other advanced professional degree

**Indicate the present primary occupation of your mother and father (or, if one is deceased or retired, please indicate his or her past primary profession).**

**Mother or female guardian:**

- Engineer, including college faculty
- Scientist, including college faculty
- Mathematician, statistician, or computer scientist including college faculty
- Other college faculty
- Pre-college math or science teacher
- Other pre-college teacher
- Health occupations (doctor, nurse, lab technician, etc.)
- Other professional occupation
- All other occupations
- Don't know

