



NASA Goddard Space Flight Center  
Office of Education  
2015 – 2016 STEM Academic Research Experience

**Student Application**

(Due no later than August 1, 2015)

**Student Information:**

Date \_\_\_\_\_

Name of Student \_\_\_\_\_

Mailing Address \_\_\_\_\_

City, State, Zip Code \_\_\_\_\_

United States Citizen ☐ Yes ☐ No

Gender \_\_\_\_\_ Age \_\_\_\_\_ Grade level as of Fall 2015 \_\_\_\_\_

Home Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_

Email address \_\_\_\_\_ (please print/type clearly)

Current School \_\_\_\_\_ County/District \_\_\_\_\_

School Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

School Phone Number \_\_\_\_\_ Fax \_\_\_\_\_

School/Program Contact \_\_\_\_\_ Phone \_\_\_\_\_

School/Program Contact email \_\_\_\_\_ (please print/type clearly)

Student Availability for Placement \_\_\_\_\_ - \_\_\_\_\_ AM (hrs) \_\_\_\_\_ - \_\_\_\_\_ PM (hrs) Indicate Days: M T W T F

**Student's STEM Educational Career:**

Have you previously participated in any type of NASA student program(s) or any intern program with NASA or another STEM agency? ☐ Yes ☐ No

If yes, list the name of the program(s), the year of your participation, the location where the program took place, the name of your mentor or the program coordinator and their contact information. If additional space is needed, add pages and label the information to align with this question.

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**Academic Achievement:**

Current GPA (unweighted/weighted) \_\_\_\_\_/\_\_\_\_\_

**Please attach a current transcript.**

List courses you have already completed in the following areas:

Science	CompSci/IT	Engineering	Mathematics	Research/Other

**Please provide a copy of your official transcript with this application. The Application will be considered INCOMPLETE until an official transcript is received. An unofficial transcript is acceptable as a placeholder until such time as an official transcript is available. However, no placement is final until all application processes are completed.**

**Recommendation Statement:**

**The School Internship Coordinator/STEM teacher/Guidance Counselor is required to provide a recommendation statement below.**

*I recommend this student as a candidate for the NASA Goddard Space Flight Center STEM Academic Research Experience for the following reason(s):*

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Signature \_\_\_\_\_ Date \_\_\_\_\_

Position \_\_\_\_\_ Email \_\_\_\_\_

## Future College/University Plans:

Name(s) of University/College to which you have applied/plan to apply:

\_\_\_\_\_

Expected Major area(s) of Study

\_\_\_\_\_ Science \_\_\_\_\_ Engineering \_\_\_\_\_ Computer/Information Technology

\_\_\_\_\_ Mathematics \_\_\_\_\_ Other (explain) \_\_\_\_\_

## Interest Preferences and STEM Project Essay:

**1. Interest Preferences** (Circle/highlight/write-in all STEM areas that are of particular interest to you.)

Aeronautics	Astronomy	Chemistry	Climate Change	Comp. Programming
Comp. Visualizations	Cryogenics	Earth Science	Engineering	Mathematics
Oceanography	Planetary Science	Remote Sensing	Solar Physics	Space Communications
Physics	Satellites	Space Science	Technology	Weather

### 2. Essay

The essay introduces you to potential mentors and provides them with an understanding of your research project interests and goals. Please type and attach your essay to this application. In drafting your essay, please address each of the following questions:

1. Briefly explain your desire to participate in a NASA Academic Research Experience at Goddard Space Flight Center and how this experience will support your current school curriculum requirements, academic interests, and future career goals.
2. In detail, describe your STEM research interests, the status of your current research project, and how it relates to research at NASA Goddard. For background information on Goddard's research areas, be sure to see the Organization Chart and links to each of the Goddard Directorates at <http://www.nasa.gov/centers/goddard/about/organizations/org2.html>.
3. Describe your STEM research interest/project and how it could be enhanced through an experience at GSFC.

Your STEM research proposal should include the following:

- a. Proposed Topic/Research Question (including identification of STEM Discipline area and the relationship to NASA)
- b. Draft Thesis Statement
- c. Summary of Preliminary Research
- d. Desired outcome(s) achieved through GSFC STEM Experience

### 3. Essay Assistance

- You may find it of value to review some of the features on the Goddard website, (<http://www.nasa.gov/centers/goddard/home/index.html>), particularly the sections entitled "About Goddard" ([http://www.nasa.gov/centers/goddard/home/index\\_flash.html](http://www.nasa.gov/centers/goddard/home/index_flash.html)) "Goddard Virtual Tour" ( <http://www.nasa.gov/externalflash/goddardVT/> )
- Content, style, grammar, and completeness are important to the clarity of your essay. It is recommended that you type the essay. It is also strongly recommended that you have your essay reviewed for feedback by your school coordinator prior to submission.
- Make certain that you include your name and date at the top of each essay page. Include the essay with your completed application.

## Checklist for STEM Academic Research Experience Application & Placement Form:

Check to make certain that you have completed all information for each of the following categories.  
**Your Application will be considered incomplete if there is missing information or signature.**

- \_\_\_\_\_ I. Student Contact Information
- \_\_\_\_\_ II. Emergency Contact Information
- \_\_\_\_\_ III. Student's STEM Educational Career
- \_\_\_\_\_ IV. Academic Achievement
- \_\_\_\_\_ V. Student's Academic Institution Information
- \_\_\_\_\_ VI. Recommendation Statement
- \_\_\_\_\_ VII. Parent/Guardian Contact Information and Consent
- \_\_\_\_\_ VIII. Future College/University Placement
- \_\_\_\_\_ IX. Interest Preferences
- \_\_\_\_\_ X. Essay
- \_\_\_\_\_ XI. Transcript

### Parent/Guardian Consent:

Name of Parent/Guardian \_\_\_\_\_

I/We support my son/daughter seeking a STEM Academic Research Experience at NASA Goddard Space Flight Center. I understand that while on Center he/she is expected to maintain the highest level of academic achievement, attendance, and ethical standards. Failure to do so could result in immediate removal from the Program. I am also aware of the times that he/she will be released from school to be at GSFC and understand that he/she is responsible for his/her own transportation.

**Signature(s) of Parent/Guardian:**

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

### Student Signature:

I have reviewed this application and placement form. All information is accurate and complete.

Signature of Student \_\_\_\_\_ Date \_\_\_\_\_

**The completed Application and Placement Form package with transcript must be submitted no later than August 1, 2015 to:**

**Ms. Katherine Bender, Coordinator**  
STEM Academic Research Experience  
Goddard Space Flight Center  
Office of Education – Code 160  
8800 Greenbelt Road  
Greenbelt, MD 20771  
Phone: (301) 286-2050  
Email: [Katherine.J.Bender@nasa.gov](mailto:Katherine.J.Bender@nasa.gov)