



Interdisciplinary National Science Program
Incorporating Research and Education Experience
2008 INSPIRE Internship Application

The Interdisciplinary National Science Program Incorporating Research and Education Experience (INSPIRE) is a multi-tiered student pipeline program designed to encourage underrepresented and underserved students throughout the U.S. to pursue science, technology, engineering and mathematics (STEM) education and careers. To be considered, students must be a U.S. citizen, be in the appropriate grade at the start of the program and have at least a 2.5 overall unweighted grade point average (GPA) on a 4.0 scale.

Program Description: INSPIRE's three tiers provides students in grades 9th through the freshmen year of college opportunities to immerse themselves in on-line activities, e-learning, distance learning and video teleconferencing featuring NASA's unique content. These activities provide grade appropriate information, interaction, and experiences to add relevancy to courses being taught and real life experiences. INSPIRE also provides opportunities for NASA to encourage family and community participation through activities that inspire, engage and educate the public in NASA's Exploration Vision.

In addition to the on-line component, INSPIRE students who achieve a 3.0 GPA will have the opportunity to compete for special NASA/STEM experiences with parent's permission. It is estimated NASA will select 200 students to participate in each of the following experiences:

For tier 1: 10th grade "**NASA Explorers**" students compete for a VIP tour of a NASA center and attend workshops at a NASA center as a reward for their achievement and participation in tier activities. Students and their parent/guardian are selected are awarded transportation, lodging and meals to attend the event.

For tier 2: Rising 11th grade students compete for the "**Collegiate Experience**" that provides a two (2) week on-campus residential experience at a selected college/university to be exposed to college life as a way to encourage pursuit of a STEM education and career. This is designed to enhance study skills, and provides contact with other STEM engineers, professors, and university-level students. To help defray transportation expenses, families which live outside a 100 mile radius of the participating academic institution will be provided \$500 for transportation. Rising 12th grade students compete for the "**High School Internship**" which provides a six-week long paid summer internship at a NASA center. Students gain valuable on-the-job experience by working directly with NASA scientists and engineers. Students are involved in intensive educational experiences after work and during weekends to introduce other STEM fields through tours and presentations. Students take shortened academic courses and work in teams to solve problems and give presentations. For this tier students are provided transportation, lodging and meals.

For tier 3: Rising college freshmen students who have been accepted at a college or university and have declared a STEM major compete for an eight-week "**Collegiate Intern**" experience at a NASA field installation during the summer prior to their freshman year of college. This introduces the students to other education-sponsored and employment opportunities offered at the university level.

To learn more about each Center: <http://education.nasa.gov/about/nasacenters/>

For more about INSPIRE: http://education.nasa.gov/edprograms/stdprograms/INSPIRE_Project.html

Interdisciplinary National Science Program

Incorporating Research and Education Experience

2008 INSPIRE Application

A. PERSONAL AND BACKGROUND INFORMATION

	Last Name	First Name	MI

U.S. Citizen Yes No

Note: If U.S. citizen and born outside of the U.S. or Puerto Rico, you must provide the information requested below and provide documentation prior to your internship start date.

Citizenship Form: _____ Identification No: _____ Date issued: _____
(E.g. Naturalization)

MAILING ADDRESS

Street	City	State	Zip
Email Address	Telephone		

SCHOOL INFORMATION

Name	City	State	Zip
Street			
Telephone Number			
School Email Address:			

B. ACADEMIC and OTHER INFORMATION

Current Academic Level At Time Of Application	
<input type="checkbox"/> 8th grade	<input type="checkbox"/> 9 th grade <input type="checkbox"/> 10 th grade <input type="checkbox"/> 11 th grade <input type="checkbox"/> 12 th grade
Cumulative GPA out of 4.0 (unweighted) <i>(Eligibility minimum is 2.5)</i>	Expected High School Graduation Date:

TRANSCRIPT

Please attach your current official transcript. Transcripts must include final grades for courses through the most current academic term.

If your school is sending your transcript separately, please check .

SPECIALIZED SKILL AREAS

- | | | |
|--|---|---|
| <input type="checkbox"/> Desktop Publishing, i.e., Pagemaker | <input type="checkbox"/> Database, i.e., SQL, MS Access | <input type="checkbox"/> Internet Browser, i.e., Netscape |
| <input type="checkbox"/> Webpage Design, i.e., HTML | <input type="checkbox"/> Computer graphics, i.e., Adobe | <input type="checkbox"/> Programming, i.e., Java, C++ |
| <input type="checkbox"/> Operating System (Linux, Unix) | <input type="checkbox"/> Other _____ | |

CAREER INTEREST INFORMATION

Please check the field of study in which you would like to pursue. If choosing more than one discipline, indicate order of preference by numbering 1 through 3, with 1 being your first choice.

- | | |
|---|--|
| <input type="checkbox"/> Aerospace/Aeronautics Eng | <input type="checkbox"/> Life Science |
| <input type="checkbox"/> Astrophysics | <input type="checkbox"/> Materials Eng |
| <input type="checkbox"/> Biological Science | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Biomedical | <input type="checkbox"/> Metallurgy |
| <input type="checkbox"/> Chemical Eng | <input type="checkbox"/> Mechanical Eng |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Physical Science |
| <input type="checkbox"/> Civil Eng | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Computer Eng/Sci | <input type="checkbox"/> Space Science |
| <input type="checkbox"/> Electrical/Electronics Eng | <input type="checkbox"/> Structural Eng |
| <input type="checkbox"/> Environmental Eng/Sci | <input type="checkbox"/> Systems Eng |
| <input type="checkbox"/> Industrial Engineering | <input type="checkbox"/> Other (be specific) _____ |

Have you previously participated in a NASA program? Yes No (If no, skip to next question)

If yes, please write the name of the program you participated in, the Center/School affiliated with the program and year of participation.

Program Name _____

Center/School Name _____

Year(s) Participated _____

PERSONAL ESSAY

Your personal essay is an opportunity to describe your career goals, explain your special talents and skills, and tell why you wish to participate in this program. The essay must be typed on standard-sized paper (8 ½" x 11") and be signed and dated by you, the applicant. The essay should have no more than 300 words. Submit this essay as a part of the complete INSPIRE Program Application Package.

Your essay must address the following points: (1) what you would like to achieve through your experience, (2) how both you and NASA will benefit from having you as participate; and (3) interesting facts about yourself that you would like to share as it relates to being considered for this program (leadership, extracurricular activities, hobbies, special interest, volunteer work, teamwork, past work experience or special projects, etc.).

CERTIFICATION AND AUTHORIZATION: *(Applicant and parent must sign below to be eligible. Unsigned applications will not be considered).*

I affirm that all of the information on this application is true and complete to the best of my knowledge. I certify that I am a U.S. citizen and meet all eligibility requirements as specified in the application. I understand that application materials become the property of NASA and cannot be returned. I hereby authorize NASA to utilize information about my application and my likeness for public relations purposes, publicity or other educational opportunities.

Please indicate below if you are requesting consideration for the following summer INSPIRE experience:

- Parent/Student VIP tour and workshop (Available to rising 10th grade students)
- 2 week Collegiate Experience (Available to rising 11th grade students)
- 6 week High School internship at a NASA field installation (Available to rising 12th grade students)
- 8 week internship (Available to students entering their freshman year of college)
- Not at this time

Student Signature _____ Date _____

Parent Signature _____ Date _____

PARENT/GUARDIAN PERMISSION FORM

I understand that _____ is applying for participation in NASA's INSPIRE program *Student's Name (please print)*

As a part of the application process, I certify that:

- I grant permission for my son/daughter to select a teacher and one other adult who is most familiar with the student's capabilities to complete Recommendation Forms.
- I am aware that the Recommendation Forms will be used as a selection factor for the INSPIRE Program.
- Permission is fully granted for school officials to report achievement and aptitude tests scores.
- I approve the release of my child's school transcript; and understand that the information gathered will be maintained in confidence.

If selected for the above-mentioned program, I certify by my signature below, that:

- I give permission for my son/daughter to participate in the INSPIRE Program and all program related activities;
- I commit to supporting my child's participation for the entire duration of the program
- I understand family involvement is an important component of this program. I commit to accessing and using parent on-line activities and information to encourage and help my child succeed in his/her pursuit of science, technology, engineering, and mathematics education and career.
- I authorize NASA to use any photographs of my son/daughter taken during their INSPIRE Program participation for promotion activities (i.e., web site, newsletter, and promotion materials); and
- I authorize the NASA staff to release my child's name and address to field installations and associated contractors directly involved in this program to implement services and activities and to track and monitor the progress of the INSPIRE program participants.

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Relationship	Telephone No.	Mobile No.

Parent's/Guardian's Signature of Consent	Date

**RECOMMENDATION FORM - 1
NASA INSPIRE PROGRAM**

Student's Name:

Teacher's Name/Position/Discipline:

Name of School:

How long have you known the student? In what capacity?

Please rate the student in the following areas.

1. Ability to follow rules and directions <input type="checkbox"/> Always follows <input type="checkbox"/> Sometimes follows <input type="checkbox"/> Seldom follows <input type="checkbox"/> Never follows	2. Accepts responsibility <input type="checkbox"/> Always accepts responsibility <input type="checkbox"/> Usually accepts responsibility <input type="checkbox"/> Sometimes irresponsible <input type="checkbox"/> Often irresponsible	3. Leadership ability <input type="checkbox"/> Strong leadership ability <input type="checkbox"/> Sometimes exhibits leadership <input type="checkbox"/> Seldom exhibits leadership <input type="checkbox"/> Always follows others	
4. Initiative/Independence <input type="checkbox"/> Seeks extra tasks <input type="checkbox"/> Prepares assigned tasks <input type="checkbox"/> Needs occasional reminders <input type="checkbox"/> Needs constant reminding <input type="checkbox"/> Seldom shows initiative	5. Ability to work well with others <input type="checkbox"/> Always works well <input type="checkbox"/> Sometimes works well <input type="checkbox"/> Seldom works well <input type="checkbox"/> Does not work well	6. Oral communication skills <input type="checkbox"/> Very articulate <input type="checkbox"/> Articulate <input type="checkbox"/> Somewhat articulate <input type="checkbox"/> Difficulty in articulation <input type="checkbox"/> Inarticulate	
7. Written Communication <input type="checkbox"/> Excellent writing skills <input type="checkbox"/> Good writing skills <input type="checkbox"/> Average writing skills <input type="checkbox"/> Poor writing skills	8. Level of interest <input type="checkbox"/> Exhibits high interest <input type="checkbox"/> Often interested <input type="checkbox"/> Seldom interested <input type="checkbox"/> Lacks interest	9. Motivation <input type="checkbox"/> Highly self-motivated <input type="checkbox"/> Sometimes motivated <input type="checkbox"/> Seldom motivated <input type="checkbox"/> Lacks motivation	10. Maturity <input type="checkbox"/> Always exhibits maturity <input type="checkbox"/> Sometimes exhibits maturity <input type="checkbox"/> Seldom exhibits maturity <input type="checkbox"/> Immature

Please describe why you are recommending this student for participation in the INSPIRE program:

Overall Recommendation for the Program: Very Highly Recommended Highly Recommended
 Recommended Recommended with reservations Not Recommended

Signature: _____ Date: _____
 May we contact you for additional information? Yes Telephone No. _____
 No (_____) _____ E-mail: _____

THIS FORM SHOULD BE RETURNED AS PART OF THE STUDENT'S APPLICATION PACKAGE
Note: Two recommendations are required using the forms provided. At least one must be from a teacher and the other from any adult who is most familiar with the student's capabilities. Please return the recommendation to the student in a sealed envelope with your signature written across the seal.

RECOMMENDATION - 2

NASA INSPIRE PROGRAM

Student's Name: _____

Teacher's Name/Position/Discipline: _____

Name of School: _____

How long have you known the student? In what capacity? _____

Please rate the student in the following areas.

1. Ability to follow rules and directions <input type="checkbox"/> Always follows <input type="checkbox"/> Sometimes follows <input type="checkbox"/> Seldom follows <input type="checkbox"/> Never follows	2. Accepts responsibility <input type="checkbox"/> Always accepts responsibility <input type="checkbox"/> Usually accepts responsibility <input type="checkbox"/> Sometimes irresponsible <input type="checkbox"/> Often irresponsible	3. Leadership ability <input type="checkbox"/> Strong leadership ability <input type="checkbox"/> Sometimes exhibits leadership <input type="checkbox"/> Seldom exhibits leadership Always follows others	
4. Initiative/Independence <input type="checkbox"/> Seeks extra tasks <input type="checkbox"/> Prepares assigned tasks <input type="checkbox"/> Needs occasional reminders <input type="checkbox"/> Needs constant reminding <input type="checkbox"/> Seldom shows initiative	5. Ability to work well with others <input type="checkbox"/> Always works well <input type="checkbox"/> Sometimes works well <input type="checkbox"/> Seldom works well <input type="checkbox"/> Does not work well	6. Oral communication skills <input type="checkbox"/> Very articulate <input type="checkbox"/> Articulate <input type="checkbox"/> Somewhat articulate <input type="checkbox"/> Difficulty in articulation <input type="checkbox"/> Inarticulate	
7. Written Communication <input type="checkbox"/> Excellent writing skills <input type="checkbox"/> Good writing skills <input type="checkbox"/> Average writing skills <input type="checkbox"/> Poor writing skills	8. Level of interest <input type="checkbox"/> Exhibits high interest <input type="checkbox"/> Often interested <input type="checkbox"/> Seldom interested <input type="checkbox"/> Lacks interest	9. Motivation <input type="checkbox"/> Highly self-motivated <input type="checkbox"/> Sometimes motivated <input type="checkbox"/> Seldom motivated <input type="checkbox"/> Lacks motivation	10. Maturity <input type="checkbox"/> Always exhibits maturity <input type="checkbox"/> Sometimes exhibits maturity <input type="checkbox"/> Seldom exhibits maturity <input type="checkbox"/> Immature

Please describe why you are recommending this student for participation in the INSPIRE program:

Overall Recommendation for the Program: Very Highly Recommended Highly Recommended
 Recommended Recommended with reservations Not Recommended

Signature: _____ Date: _____
 May we contact you for additional information? Yes No Telephone No. _____ E-mail: _____

THIS FORM SHOULD BE RETURNED AS PART OF THE STUDENT'S APPLICATION PACKAGE
Note: Two recommendations are required using the forms provided. At least one must be from a teacher and the other from any adult who is most familiar with the student's capabilities. Please return the recommendation to the student in a sealed envelope with your signature written across the seal.

APPLICATION PACKAGE INSTRUCTIONS

Before submitting this application, you should read it thoroughly. Special attention should be given to eligibility requirements, dates, and deadlines. Be sure that you have supplied all information and materials requested. You are encouraged to keep a copy of your completed application package, as we are unable to return any application materials submitted for the program.

A completed INSPIRE application package includes forms and documentation for the following five sections:

- A__ Personal/Background Information
- B__ Academic and other Information
- C__ Personal Essay (Maximum of 300 words)
- D__ Certification and Authorization (Includes of the Parental Permission Form, Recommendations and the Official academic transcript)

Please also include or have your school mail your transcript. If your school is mailing your transcript separately, please check .

SPECIAL INSTRUCTIONS FOR SUBMISSION OF APPLICATIONS.

1. Students completes and submits on-line the following INSPIRE application sections

- A. Personal/Background Information
- B. Academic and other Information
- C. Personal Essay (Maximum of 300 words)

NOTE: This step can be omitted if you do not have access to a computer. However, on-line submission allows you to check the status of your application.

- 2. Print complete application (to obtain appropriate signatures and recommendations)
- 3. Student mails the complete application (sections A thorough D (including the certification and authorization, parental permission, recommendations and official academic transcript)
- 4. Applications will not be processed unless they are complete and all materials have been received
- 5. An incomplete application package will not be forwarded to the Selection Committee.
- 6. There are no provisions for accepting applications by fax or E-mail.
- 7. Applicants will be notified of their selection status by mail.

If you need this application in a language other than English, please contact ([Will](#) be provided once a support contractor is in place) for a version in the language requested.

Questions related to the INSPIRE Program may be sent by e-mail (please note INSPIRE Program in the subject line) to: ([Will](#) be provided once a support contractor is in place) or by phone at ([Will](#) be provided once a support contractor is in place)

Retain these instructions for your information and mail the completed application package, including all required documentation to:

INSPIRE Project Specialist

Address ([Will](#) be provided once a support contractor is in place)

