LEWIS' EDUCATIONAL AND RESEARCH COLLABORATIVE INTERNSHIP PROGRAM (LERCIP)

2008 SUMMER INTERNSHIP FOR SECONDARY TEACHERS

Program Description
This is an educational program that provides a summer opportunity for teachers interested in expanding their knowledge in the areas of science, technology, engineering, and mathematics. Internships of 10-week duration are available during the summer months at the NASA John H. Glenn Research Center (GRC). The internships are offered under the auspices of Lewis' Educational and Research Collaborative Internship Program (LERCIP) and are a collaborative undertaking of GRC's Educational Programs Office (EPO) and the Ohio Aerospace Institute (OAI).

For other internship opportunities and application information and deadline dates, visit one of the following Web sites: http://www.education.grc.nasa.gov/ or http://www.oai.org.

Program Goal
Internships are intended to provide teachers with professional experiences to enhance their academic skills and abilities in the classroom. When possible, teachers are given assignments in science, technology, research, and development under the guidance of a NASA staff member who serves as a mentor. Program activities include oral presentations and a variety of enrichment activities.

Glenn Research Center
The NASA Vision—To improve life here, to extend life to there, to find life beyond. The NASA Mission—To pioneer the future in space exploration, scientific discovery, and aeronautics research. As one of NASA’s 10 field centers, the GRC at Lewis Field supports all NASA missions and the major programs of our Agency.

GRC works as a diverse team in partnership with government, industry, and academia to increase national wealth, safety, and security, protect the environment, and explore the universe. As NASA moves forward to fulfill the Vision for Space Exploration, Glenn is focusing on efforts related to Exploration Systems, such as technological advancements in spaceflight systems, aeropropulsion, space propulsion, power systems, nuclear systems, communication, and human research.

GRC is located in the Great Lakes region of Ohio and occupies a 350-acre site adjacent to Cleveland Hopkins International Airport. The Center comprises over 140 buildings that contain a unique collection of world-class facilities. NASA Glenn also includes the 6400-acre Plum Brook Station near Sandusky, Ohio. For more information on GRC, visit http://grc.nasa.gov.

Ohio Aerospace Institute
OAI is a private, nonprofit organization whose purpose is to advance aerospace-related capabilities through industry, university, and government collaboration. Such partnerships have led to critical solutions for aerospace applications, developed new technologies in medical science, created improved design and manufacturing and measurement systems, and provided educational enrichment and support to faculty and students. OAI is located next to the GRC west gate. For more information on OAI, visit http://www.oai.org.

Eligibility Requirements
Applicants must be U.S. CITIZENS who are employed full-time as secondary school teachers throughout the United States.
Program Requirements
Because of the program’s short duration and intensive requirements, no vacation time or summer day classes can be taken during the internship. If selected, the student must be present for the mandatory orientation session (first day) and the entire 5-day, 40 hour per week (8 a.m. to 4:30 p.m., Monday through Friday) assignment. All teachers are required to complete the entire 10-week tenure period. It is MANDATORY that teachers start on one of the scheduled session dates to attend the orientation. NO EXCEPTIONS!

Application Information
Teachers seeking internships must submit an application to OAI. You will be sent a postcard or an e-mail (if provided) acknowledging receipt of your application.

Additional information may be obtained by contacting any of the following:

OAI
E-mail: internships@oai.org
Telephone: (440) 962–3170, ext. 5006

NASA GRC
E-mail: intern@grc.nasa.gov

Application materials must be received no later than January 31, 2008. Application materials received after the deadline will not be considered or processed. FAXED copies are unacceptable.

Teacher Selection Criteria
Selection in this program is very competitive and is based on the following:

• GRC organizational, programmatic, and budgetary commitments
• Area of instruction and relative coursework
• Performance background and research interests
• Teacher/mentor availability

TEACHER IDENTIFIED FOR INTERNSHIP POSITIONS will be notified of internship appointment via offer letter by April 15, 2008. Due to the large number of applicants, ONLY SELECTED CANDIDATES ARE NOTIFIED.

Stipend Information
Teachers receive a biweekly stipend of $2000. The normal statutory tax withholding will be taken; the tax portion withheld will depend on the tax status submitted by participant. This program does not provide unemployment compensation to participants.

Travel Reimbursement
One round-trip travel reimbursement will be provided to teachers whose city of permanent residence is more than 50 miles from Cleveland and relocate for the program. Reimbursement is based on student’s permanent residence and shortest route. Mileage at .485 cents per mile will be paid to eligible students approximately 1 week after tenure begins.

Internship dates for 2008

Session I: May 19 to July 25
Session II: June 2 to August 8
Session III: June 9 to August 15

Housing Accommodations
Participants are responsible for making their own housing and travel arrangements. This program does not provide living expenses. If a list of short-term housing is desired, check the appropriate box on page 2 of the application and one will be provided. Please understand that the housing list has been assembled by OAI for your convenience. Accommodations on the list have not been checked and OAI does not advocate them over other accommodations you may find on your own. If selected for the program, you are encouraged to start your search for housing as soon as possible. Please note that you are responsible for reviewing your lease agreement and addressing questions before signing.
2008 TEACHER APPLICATION FORM
Please type or print in black ink only.

Full legal name_______________________________________________________ Date of birth_____________________________

Last name, suffix (e.g., Jr.) First Middle name Month/Date/Year (e.g., 11/23/1985)

Place of birth_________________________________________________________ Gender: □ Female □ Male

City, State, Country

U.S. Citizen □ Yes □ No Note: If U.S. citizen and born outside the United States or Puerto Rico you must provide the information requested below and if selected provide documentation prior to start date for offer to be finalized.

Naturalization no._______________________ Date issued_____________ Date expired________________

Passport no.___________________________ Date issued_____________ Date expired________________

YOU MUST PROVIDE BOTH ADDRESSES:

PERMANENT (HOME) ADDRESS:

____________________________________________
City, State, ZIP Code

Please provide your nine-digit ZIP Code

Telephone no.: (____)__________________________

Alternate telephone no.: (____)_______________

Permanent e-mail address: ____________________

Please check box below where you want any LERCIP correspondence sent:

• Prior to April 15 □ Permanent home address □ School address
• After April 15 □ Permanent home address □ School address

Have you previously participated in a NASA or Federal program? □ Yes □ No

If yes, please list program(s) and year of participation:

1. ___________________________________________________________________________________________
   Program name Year

2. ___________________________________________________________________________________________
   Program name Year

3. ___________________________________________________________________________________________
   Program name Year

PROGRAM USE ONLY

Date received ___________________ PR requirement $_________________

Date processed ___________________ □ 99

Initials ________________________-1-

2008 LERCIP Teacher Application
**Placement Information**

Faculty position: ___________________________ Grade levels teaching: ___________________________

Number of years in this position: ___________________________

**Indicate highest degree attained:**

- ☐ Baccalaureate/B.A. or B.S.
- ☐ Master’s/Master’s Equivalency
- ☐ Doctorate

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<th>Degree achieved</th>
<th>Year</th>
<th>Degree achieved</th>
<th>Year</th>
<th>Degree achieved</th>
<th>Year</th>
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</thead>
</table>

**Indicate any degrees or academic programs on which you are currently working:**

- ☐ Baccalaureate/B.A. or B.S.
- ☐ Master’s/Master’s Equivalency
- ☐ Doctorate

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<thead>
<tr>
<th>Degree</th>
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</table>

**Areas of Concentration:**

- ☐ Engineering
- ☐ Mathematics
- ☐ Social Sciences
- ☐ Education
- ☐ Humanities
- ☐ Science
- ☐ Technology

**Primary areas of instruction (check all that apply):**

- ☐ All subjects
- ☐ Astronomy
- ☐ Biology
- ☐ Chemistry
- ☐ Computer Sciences
- ☐ Earth Sciences
- ☐ Engineering
- ☐ Environmental Sciences
- ☐ General Science
- ☐ Life Sciences
- ☐ Mathematics
- ☐ Physical Sciences
- ☐ Physics
- ☐ Social Studies
- ☐ Special Education
- ☐ Technology Education
- ☐ Vocational/Technical
- ☐ Other: ___________________________

**Indicate preference by checking appropriate box below:**

- ☐ Session I: May 19
- ☐ Session II: June 2
- ☐ Session III: June 9

**How did you learn about the program?**

- ☐ Faculty member or school official
- ☐ Group visit to GRC
- ☐ Inquiry to NASA about summer opportunities
- ☐ NASA Web site
- ☐ GRC Educational Programs staff
- ☐ GRC Educational Programs Web site
- ☐ Friend who participated in LERCIP
- ☐ A previous LERCIP participant
- ☐ OAI Web site
- ☐ Relative who works for NASA or NASA contractor
- ☐ Other (please specify) ___________________________

- Name/relationship ___________________________

- Company name/area/organization ___________________________

**Housing Information**

If selected, do you need to be provided with the program’s short-term housing list? ☐ YES ☐ NO

Do we have your permission to include your name and e-mail address in a listing to be sent to selected participants who are interested in shared housing? ☐ YES ☐ NO

(If selected, you need to start your search for housing as soon as possible.)
ACADEMIC INFORMATION

Academic honors/awards (include year of award)
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

Work experience (over the last 5 years)
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

School district you work in
________________________________________________________________________________________

School administrator _________________________________________________________________
TEACHER’S INTERNSHIP ESSAY

Please type or print in black ink only.

Name: ________________________________ Date: __________

The purpose of this essay is to tell us why you want to intern at GRC and what you wish to accomplish during your internship. Areas to address: (1) What do you hope to gain from participating in the program, (2) How might this experience help you when you return to the classroom, and (3) Any other interesting facts about yourself you would like to share that relates to being considered for the LERCIP program.
TEACHER CERTIFICATION
(Completion of form is required for processing of application.)

I certify, by my signature below, that I am a citizen of the United States of America and that all information contained in this application is accurate and correct. I further understand and agree that any misrepresentation or inaccurate information reported on my application will be cause for disqualification for consideration and from participation in LERCIP and other NASA and OAI programs. If selected to participate, I understand I must participate for the full duration of the program and failure to do so or to abide by the program policies and procedures, safety, and security policies and procedures will result in the immediate termination of my internship and will be just cause for disqualification or consideration from future participation in LERCIP and other NASA and OAI programs.

I understand and acknowledge that participation in the program does not entitle me to unemployment compensation. Print your full name below and sign and date for acceptance.

Full legal name (print): __________________________________________________________

First                                      Middle name                                      Last

Signature: ___________________________________________   Date: _______________________

Past LERCIP Participants Only
If you were a 2007 LERCIP participant, would you like to return to the same organization and mentor?
☐ Yes ☐ No

If yes, you are encouraged to contact the mentor and let him/her know that you have applied for the program and if summer positions are available in his/her respective organization, you would like to be considered. Remember there is NO guarantee of a position, as organizational and budgetary needs change each year.

References
You must provide two references other than the faculty/teacher providing your recommendation for the program.

1. ___________________________________________________________(__)______________________________
   Name    Title            Telephone no.

2. ___________________________________________________________(__)______________________________
   Name    Title            Telephone no.
TEACHER INFORMATION

Name (print): _____________________________________________ Gender: ☐ Female ☐ Male

Program you are applying for: LERCIP TEACHER

In order to determine the degree to which members of each ethnic and racial group are reached by this announcement, NASA requests that the student check the appropriate block(s) below. Submission of this information is VOLUNTARY. The information solicited on this form will not be available to those responsible for reviewing applications, but will be used by OAI and NASA primarily to determine the extent to which various populations are represented in the applicant pool. This information will remain strictly confidential.

Please complete and return with application materials.

<table>
<thead>
<tr>
<th>Ethnic background (appropriate box below)</th>
<th>Individual with a disability* ☐ Yes ☐ No</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ American Indian or Alaska Native (Non-Hispanic)</td>
<td>Please list any special accommodations required:</td>
</tr>
<tr>
<td>☐ Asian (Non-Hispanic)</td>
<td>__________________________________________</td>
</tr>
<tr>
<td>☐ Black or African-American (Non-Hispanic)</td>
<td>__________________________________________</td>
</tr>
<tr>
<td>☐ Native Hawaiian or Pacific Islander (Non-Hispanic)</td>
<td>__________________________________________</td>
</tr>
<tr>
<td>☐ Two or more races</td>
<td>__________________________________________</td>
</tr>
<tr>
<td>☐ White (Non-Hispanic)</td>
<td>__________________________________________</td>
</tr>
<tr>
<td>☐ Hispanic/Latino(a)</td>
<td>__________________________________________</td>
</tr>
</tbody>
</table>

* A person having a physical or mental impairment that substantially limits one or more major life activities, has a record of such impairment, or is regarded as having such impairment.
APPLICATION REMINDERS

Before submitting this application, you should review 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.

APPLICATION CHECKLIST (check off when completed):

☐ 1. 2008 LERCIP Teacher Application Form—completion of all pages
   ☐ a. Applicant Information (page 1)
   ☐ b. Placement Information (page 2)
   ☐ c. Academic Information (page 3)
   ☐ d. Internship Essay (page 4)
   ☐ e. Teacher Certification (page 5, signed and dated)
   ☐ f. Teacher Information (page 6)

(Applications that do not have all pages completed and the required copies—original, signed application, plus three copies of the application—are considered incomplete and will not be processed.)

Mail your completed application package to

OHIO AEROSPACE INSTITUTE (OAI)
22800 CEDAR POINT ROAD
ATTN: LERCIP
CLEVELAND, OH 44142

Should you have any questions, contact
Ohio Aerospace Institute (OAI)
Telephone: (440) 962–3170, ext. 5006
E-mail internships@oai.org

PLEASE BE ADVISED THAT ANY APPLICATION OR APPLICATION MATERIALS RECEIVED AFTER THE DEADLINE DATE, JANUARY 31, 2008, WILL NOT BE PROCESSED AND ARE CONSIDERED INELIGIBLE—NO EXCEPTIONS.

www.nasa.gov