

2003 National Space Club Scholars Program

for High School Students

A student intern program with space scientists and engineers
sponsored by

NASA Goddard Space Flight Center
Greenbelt, MD
and

NASA Wallops Flight Facility
Wallops Island, VA
in cooperation with

The National Space Club
Washington, DC

Wednesday, June 25 through Wednesday, August 6, 2003

The purpose of this program is to provide students with an opportunity to experience how research and development organizations operate on a day-to-day basis in direct support of NASA's mission to inspire the next generation of explorers. Participants will be assigned to work with a technical professional in a field related to the student's stated interests and expertise. The available areas of interest include earth and space systems science, computer science, and engineering. Virtually all placements include computer applications. Biological laboratory experiences are not available. After completing the internship, students interested in pursuing aerospace-related fields are able to make more informed decisions regarding their university-level studies and career focus.

Up to thirty academically talented students interested in a career in science or engineering will be selected for this program (up to twenty-five at Goddard Space Flight Center and five at Wallops Flight Facility). In order to be considered, applicants must meet the following eligibility criteria:

- Must be a U.S. citizen.
- Live (maintain permanent, year-round residence) within commuting distance of the Goddard Space Flight Center or Wallops Flight Facility.
- Have completed their sophomore year by June 2003.
- Be at least sixteen (16) years of age before the starting date of the program.

The National Space Club will provide \$600 to help defray transportation expenses and meals during this six-week summer program.

A special committee has been established and will conduct the competitive selection process to fill the small number of available positions. It is important that you understand that it is your responsibility to insure that a complete application package is received at the address listed below and is postmarked no later than Wednesday, February 26, 2003. To be considered for participation in this program, a student must submit a complete application package which includes all of the following items:

- **Student Application Form**

You must use the current year's Student Application Form (2003). Please do not use previous forms. A copy of the current form can be downloaded at <http://education.gsfc.nasa.gov/pages/placement.html>. The application should be typed or printed legibly in black ink. Be sure all requested information has been supplied. You may wish to make a copy of your application materials but the originals should be submitted to the Selection Committee.

(continued →)

- **Personal Statement**
An essay not to exceed 300 words describing your personal goals and why you wish to wish to participate in this program. The statement must be typed on standard-size (8 1/2" x 11" paper) and be signed and dated by the applicant.
- **Current Transcript**
The transcript should include any standardized tests scores during your high school career. Unofficial transcripts are acceptable.
- **Copy of most recent report card**
Should be as of the end of the first semester and include attendance data as well as academic grades. Photocopies are acceptable.
- **Computer/Technical Skills Assessment**
While this information is not primarily used during the selection process, it is very helpful in making appropriate placements for selected students.
- **Parental Consent Form**
Parents are asked to read and sign the form. Please note that participants must commit to attend for the entire six-week period of the program during the dates specified (June 25 – August 6, 2003). There are no provisions for changing the dates of the program nor for unapproved absences especially for the opening and closing days. Transportation to and from the Center each day is the responsibility of the participant and their family.
- **Teacher Recommendations**
Two recommendations are required using the forms provided. One must be from the applicant's teacher of science, math, or computer science. The second recommendation must be from the applicant's English teacher. If additional recommendations are desired, make copies of the blank forms before distributing them to your teachers.

All application materials must be submitted on the current year's form and as a complete package. Your materials must be sent by mail and be postmarked no later than Wednesday, February 26, 2003.

Applications will not be processed unless they are complete and all materials have been received. An incomplete application package will not be forwarded to the Selection Committee. Furthermore, no applications will be accepted by fax or E-mail. Applicants are usually notified of their selection status by the end of March.

Retain this cover page for your information and mail the completed application package, including all required documentation, to:

**National Space Club Scholars Program
P.O. Box 563
Crownsville, MD 21032-0563**

If you have any questions regarding program activities at the Goddard Space Flight Center, please contact Steve Korpon, Coordinator, at 410-571-1965 or by E-mail at nscsp@hotmail.com.



National Space Club Scholars Program

June 25 – August 6, 2003

STUDENT APPLICATION FORM

(All information must be typed or printed legibly using black ink.)



STUDENT DATA

LAST NAME: _____ FIRST NAME: _____ M.I.: _____

DATE OF BIRTH: _____ AGE(as of 6/25/03): _____ GENDER: _____ FEMALE _____ MALE

HOME ADDRESS: _____
STREET CITY STATE ZIP

HOME PHONE NO: (_____) _____ - _____ E-MAIL ADDRESS: _____

SOCIAL SECURITY NUMBER: _____ - _____ - _____ U.S. CITIZEN? _____ YES _____ NO

EDUCATION

HIGH SCHOOL: _____ SCHOOL SYSTEM: _____

SCHOOL ADDRESS: _____
STREET CITY STATE ZIP

CURRENT ACADEMIC STANDING: _____ SOPHOMORE _____ JUNIOR _____ SENIOR

CURRENT CUMULATIVE GRADE POINT AVERAGE AS OF THE END OF THE FIRST SEMESTER THIS ACADEMIC YEAR:

UNWEIGHTED (4-POINT SCALE) = _____ OUT OF 4

WEIGHTED = _____ OUT OF _____ POINTS (MAXIMUM)

STANDARDIZED TEST SCORES:

TEST (PSAT/SAT)	DATE TAKEN	VERBAL SCORE	MATH SCORE

I hereby certify by my signature below that I understand and agree that any misrepresentation or inaccurate information on my application form or any other submitted materials will be cause for my disqualification from consideration and participation in the National Space Club Scholars Program. I also understand that if selected to participate, I must participate for the full duration of the Program within the dates specified. I understand that failure to do so may result in the immediate termination of my internship.

Student's Signature: _____ Date _____

2003 NATIONAL SPACE CLUB SCHOLARS PROGRAM STUDENT APPLICATION FORM (continued) Application Deadline: February 26, 2003	Applicant's Name:
---	--------------------------

ACADEMIC BACKGROUND

List each of the Science, Mathematics, and Technology courses you have taken or are currently enrolled in for high school or college credit. Please use letter grades only. Numerical grades should be converted to letter grades.

SCIENCE Courses	Grade Earned	Credit Earned	Indicate Honors, AP, or College (if applicable)	Grade Level When Taken (8,9,10,11,12)

MATHEMATICS Courses	Grade Earned	Credit Earned	Indicate Honors, AP, or College (if applicable)	Grade Level When Taken (8,9,10,11,12)

COMPUTER/TECHNOLOGY Courses	Grade Earned	Credit Earned	Indicate Honors, AP, or College (if applicable)	Grade Level When Taken (8,9,10,11,12)

2003 NATIONAL SPACE CLUB SCHOLARS PROGRAM
STUDENT APPLICATION FORM (continued)
Application Deadline: February 26, 2003

Applicant's Name:

STUDENT PROFILE

What is your career goal?

List your special skills and abilities:

List your hobbies and special interests:

List honors, awards, and commendations you have received: (attach separate sheet if needed)

PERSONAL STATEMENT

Attach a personal statement or essay of no more than 300 words (typed or printed in black ink) describing your personal goals and your reason(s) for wanting to participate in the National Space Club Scholars Program. This statement must be signed and dated by the applicant.

TRANSCRIPT AND CURRENT REPORT CARD

Include a current transcript and a copy of your most recent report card, preferably as of the end of the first semester of the current school year. The report card should include attendance data as well as academic grades. Unofficial transcripts are acceptable.

A COMPLETE APPLICATION PACKAGE MUST INCLUDE:

- ✓ Student Application Form
- ✓ Personal Statement
- ✓ Current Transcript
- ✓ Copy of most recent report card
- ✓ Computer/Technical Skills Assessment
- ✓ Parental Consent Form
- ✓ Teacher Recommendations (2)

All application materials must be submitted by mail to the address below. *No fax or electronic submissions will be accepted.* Please note the deadline for submitting your complete application package requires that it be postmarked by **Wednesday, February 26, 2003.**

Send your application package to:

National Space Club Scholars Program
P.O. Box 563
Crownsville, MD 21032-0563

2003 NATIONAL SPACE CLUB SCHOLARS PROGRAM COMPUTER/TECHNICAL SKILLS ASSESSMENT Application Deadline: February 26, 2003	Applicant's Name:
---	--------------------------

COMPUTER/TECHNICAL SKILLS ASSESSMENT

Using the definitions provided below, please indicate below your experience/skill level with the computer software categories listed including specific software you have used. *(Note: This information is not key to the selection process. Program staff will use this form to determine appropriate student placements and to help develop the students enrichment experience.)*

EXPERIENCE/SKILL LEVEL DEFINITIONS*	
INEXPERIENCED	Have not used this type of software.
NOVICE	Have been using this type of software for less than 6 months and/or am familiar with basic features only.
MODERATE	Have been using this type of software for up to 6 months and am familiar with basic features as well as some intermediate features. Have completed assignments using the software and am able to instruct beginners about software basics.
EXPERIENCED	Have been using this type of software up to 1 year and have mastered all the basic and intermediate functions. Have completed several assignments and projects of varied types using the software and am able to instruct others about basic and intermediate software features.
PROFICIENT	Have been using this type of software for at least two years and am very experienced with the software's basic, intermediate, and advanced features. Have completed many varied assignments and projects using the advanced features of this software and am able to instruct others.
*Months/years of experience are provided as a general guide. You may have reached a particular skill level in less time than suggested in the definitions above.	

Software Categories	Software Product	Technical Skill Level (✓ Check your skill level in the columns below)				
		INEXPERIENCED	NOVICE	MODERATE	EXPERIENCED	PROFICIENT
Word Processing	MS Word					
	WordPerfect					
	ClarisWorks					
	Other:					
Spreadsheets	MS Excel					
	Lotus 1-2-3					
	Other:					
Database	MS Access					
	FileMaker Pro					
	SQL					
	Oracle					
	Other:					
Internet Browsers	MS Internet Explorer					
	Netscape					
	Other:					
Web Page Design	HTML					
	MS Front Page					
	Other:					
Programming Languages	C+/C++					
	Java					
	JavaScript					
	Visual Basic					
	Basic					
	Other:					
Graphics	Adobe PhotoShop					
	Adobe Illustrator					
	Corel Draw					
	Fireworks					
	Flash					
	Visio					
	Other:					
Desktop Publishing	MS Publisher					
	PageMaker					
	Other:					
Presentations	MS PowerPoint					

2003 NATIONAL SPACE CLUB SCHOLARS PROGRAM
PARENTAL CONSENT FORM
Application Deadline: February 26, 2003

Applicant's Name:

PARENTAL CONSENT

DIRECTIONS: This form must be signed by a parent or guardian and, if necessary, presented to the teacher who will complete the Teacher Recommendation Form and the school official who will prepare the school transcript. This form must also be included in your application package.

***Please read the following statements carefully.
Your signature indicates your agreement with these provisions.***

I hereby grant my permission for a teacher (selected by my son/daughter) to complete the recommendation form which will be used as one of the selection factors for the 2003 National Space Club Scholars Program.

I also grant my permission for school officials to provide a current school transcript which may include information on achievement and aptitude test scores. I understand that these materials may be used by the selection committee and other program staff in the selection process.

I further understand that this is a highly competitive program and only a few students will be selected. If selected, I understand that my son/daughter will be offered the opportunity to participate in this program. **If the offer is accepted, my son/daughter agrees to participate for the entire six-week period from June 25, 2003 to August 6, 2003, inclusive.** My son/daughter will be responsible for his/her own transportation to and from the participating center each day.

Finally, I have reviewed and verified the information provided by my son/daughter in completing the application materials and will attest to its accuracy and truthfulness.

Signature_____

Printed Name_____

Date_____



2003 NATIONAL SPACE CLUB SCHOLARS PROGRAM TEACHER RECOMMENDATION FORM Application Deadline: February 26, 2003	Applicant's Name:
--	--------------------------

SCIENCE, MATHEMATICS, OR COMPUTER SCIENCE TEACHER RECOMMENDATION
TEACHER'S NAME:
SCHOOL:
SUBJECT(S) TAUGHT TO STUDENT:
How long have you known this student and in what capacity?

Please indicate how well the student demonstrates the characteristics or skills listed using the scale provided below:

5	The student demonstrates the characteristic very consistently or to a high degree.
4	The student demonstrates the characteristic most of the time or above average.
3	The student demonstrates the characteristic some of the time or average.
2	The student demonstrates the characteristic occasionally or performs adequately.
1	The student demonstrates the characteristic rarely or performs poorly.
N/A	No basis for making a judgment.

CHARACTERISTIC/SKILL	RATING	CHARACTERISTIC/SKILL	RATING
Ability to follow rules and directions		High level of interest in subject	
Responsible behavior		Maturity	
Ability to work independently		Oral communication skills	
Ability to work well with others		Written communication skills	
Problem-solving abilities		Pleasant personality	
Self-motivated		Leadership qualities	

What is your overall estimation of this student's potential to benefit from involvement in a summer internship program such as the National Space Club Scholars Program?

May we contact you for additional information? ____Yes ____No Telephone No.: (____) ____ - ____

Please feel free to add any additional comments you think may be helpful in evaluating this student's application.

Signed: _____

Date: _____

**(THIS FORM SHOULD BE RETURNED AS PART OF THE STUDENT APPLICATION PACKAGE.)
(2003 Application – Page 6 of 7)**



2003 NATIONAL SPACE CLUB
SCHOLARS PROGRAM
TEACHER RECOMMENDATION FORM
Application Deadline: February 26, 2003

Applicant's Name: _____

ENGLISH TEACHER RECOMMENDATION

TEACHER'S NAME: _____

SCHOOL: _____

SUBJECT(S) TAUGHT TO STUDENT: _____

How long have you known this student and in what capacity? _____

Please indicate how well the student demonstrates the characteristics or skills listed using the scale provided below:

5	The student demonstrates the characteristic very consistently or to a high degree.
4	The student demonstrates the characteristic most of the time or above average.
3	The student demonstrates the characteristic some of the time or average.
2	The student demonstrates the characteristic occasionally or performs adequately.
1	The student demonstrates the characteristic rarely or performs poorly.
N/A	No basis for making a judgement.

CHARACTERISTIC/SKILL	RATING	CHARACTERISTIC/SKILL	RATING
Ability to follow rules and directions		High level of interest in subject	
Responsible behavior		Maturity	
Ability to work independently		Oral communication skills	
Ability to work well with others		Written communication skills	
Problem-solving abilities		Pleasant personality	
Self-motivated		Leadership qualities	

What is your overall estimation of this student's potential to benefit from involvement in a summer internship program such as the National Space Club Scholars Program? _____

May we contact you for additional information? ____Yes ____No Telephone No.: (____) _____ - _____

Please feel free to add any additional comments you think may be helpful in evaluating this student's application. _____

Signed: _____

Date: _____

(THIS FORM SHOULD BE RETURNED AS PART OF THE STUDENT APPLICATION PACKAGE.)
(2003 Application - Page 7 of 7)