

NASA Educational Resources

NASA *On-line Resources for Educators* provide current educational information and instructional resource materials to teachers, faculty, and students. A wide range of information is available, including science, mathematics, engineering, and technology education lesson plans, historical information related to the aeronautics and space program, current status reports on NASA projects, news releases, information on NASA educational programs, useful software and graphics files. Educators and students can also use NASA resources as learning tools to explore the Internet, accessing information about educational grants, interacting with other schools which are already on-line, and participating in on-line interactive projects, communicating with NASA scientists, engineers, and other team members to experience the excitement of real NASA projects.

Go to these resources through the NASA Education Home Page:
<http://www.hq.nasa.gov/office/codef/education>

or, for more information, E-mail:
comments@spacelink.msfc.nasa.gov

NASA Television (NTV) is the Agency's distribution system for live and taped programs. It offers the public a front-row seat for launches and missions, as well as informational and educational programming, historical documentaries, and updates on the latest developments in aeronautics and space science. NTV is transmitted on Spacenet 2 (a C-band satellite) on transponder 5, channel 9, 69 degrees west with horizontal polarization, frequency 3880 megahertz, audio on 6.8 megahertz; or through collaborating distance learning networks and local cable providers.

Apart from live mission coverage, regular NASA Television programming includes a News Video File from noon to 1:00 pm, a NASA History File from 1:00 to 2:00 pm, and an Education File from 2:00 to 3:00 pm (all times Eastern). This sequence is repeated at 3:00 pm, 6:00 pm, and 9:00 pm, Monday through Friday. The NTV Education File features programming for teachers and students on science, mathematics, and technology, including the NASA. . . *On the Cutting Edge* Education Satellite Videoconference Series. The videoconferences include NASA scientists, astronauts, and education specialists presenting aeronautics and Earth & space science topics of interest to teachers and students of grades 5-12. The series is free to registered educational institutions. The videoconferences and all NASA Television programming may be videotaped for later use.

For more information on NASA Television, contact:
NASA Headquarters, Code P-2, NASA TV, Washington, DC 20546-0001
Phone: (202) 358-3572
Home Page: <http://www.hq.nasa.gov/office/pao/ntv.html>

For more information about the Education Satellite Videoconference Series, contact: Videoconference Producer, NASA Teaching From Space Program, 308 CITD, Room A, Oklahoma State University, Stillwater, OK 74078-8089
E-mail: edge@aesp.nasa.okstate.edu
Home Page: <http://www.okstate.edu/aesp/VC.html>

NASA Educator Resource Center Network

To make additional information available to the education community, the NASA Education Division has created the NASA Educator Resource Center (ERC) network. ERCs contain a wealth of information for educators: publications, reference books, slide sets, audio cassettes, videotapes, telelecture programs, computer programs, lesson plans, and teacher guides with activities. Because each NASA field center has its own areas of expertise, no two ERCs are exactly alike. Phone calls are welcome if you are unable to visit the ERC that serves your geographic area. A list of the centers and the geographic regions they serve starts at the bottom of this page.

Regional Educator Resource Centers (RERCs) offer more educators access to NASA educational materials. NASA has formed partnerships with universities, museums, and other educational institutions to serve as RERCs in many states. Educators may preview, copy, or receive NASA materials at these sites. A complete list of RERCs is available through CORE.

NASA Central Operation of Resources for Educators (CORE) was established for the national and international distribution of NASA-produced educational materials in audiovisual format. Educators can obtain a catalogue and an order form by one of the following methods:

- NASA CORE
Lorain County Joint Vocational School
15181 Route 58 South
Oberlin, OH 44074
- Phone (216) 774-1051, Ext. 249 or 293
- Fax (216) 774-2144
- E-mail: nasaco@leeca8.leeca.ohio.gov
- Home Page: <http://spacelink.msfc.nasa.gov/CORE>



IF YOU LIVE IN:	Precollege Officer	Educator Resource Center
Alaska	Nevada	NASA Educator Resource Center Mail Stop 253-2 NASA Ames Research Center Moffett Field, CA 94035-1000 Phone: (415) 604-3574
Arizona	Oregon	
California	Utah	
Hawaii	Washington	
Idaho	Wyoming	
Montana		
Connecticut	New Hampshire	NASA Educator Resource Laboratory Mail Code 130.3 NASA Goddard Space Flight Center Greenbelt, MD 20771-0001 Phone: (301) 286-8570
Delaware	New Jersey	
District of Columbia	New York	
Maine	Pennsylvania	
Maryland	Rhode Island	
Massachusetts	Vermont	
Colorado	North Dakota	NASA Educator Resource Room Mail Code AP 2 NASA Johnson Space Center 2101 NASA Road 1 Houston, TX 77058-3696 Phone: (281) 483-8696
Kansas	Oklahoma	
Nebraska	South Dakota	
New Mexico	Texas	

IF YOU LIVE IN:**Precollege Officer****Educator Resource Center**

Florida
 Georgia
 Puerto Rico
 Virgin Islands

Dr. Steve Dutczak
 Chief, Education and Services Branch
 Mail Code PA-ESB
NASA Kennedy Space Center
 Kennedy Space Center, FL 32899-0001
 Phone: (407) 867-4444

NASA Educator Resource Laboratory
 Mail Code ERL
 NASA Kennedy Space Center
 Kennedy Space Center, FL 32899-0001
 Phone: (407) 867-4090

Kentucky
 North Carolina
 South Carolina
 Virginia
 West Virginia

Dr. Marchelle Canright
 Precollege Officer
 Mail Stop 400
NASA Langley Research Center
 17 Langley Boulevard
 Hampton, VA 23681-0001
 Phone: (757) 864-3313

NASA Educator Resource Center
 for Langley Research Center
 Virginia Air and Space Center
 600 Settler's Landing Road
 Hampton, VA 23669-4033
 Phone: (757) 727-0900 x 757

Illinois
 Indiana
 Michigan

Minnesota
 Ohio
 Wisconsin

Ms. Jo Ann Charleston
 Acting Chief, Office of Educational Programs
 Mail Stop 7-4
NASA Lewis Research Center
 21000 Brookpark Road
 Cleveland, OH 44135-3191
 Phone: (216) 433-2957

NASA Educator Resource Center
 Mail Stop 8-1
 NASA Lewis Research Center
 21000 Brookpark Road
 Cleveland, OH 44135-3191
 Phone: (216) 433-2017

Alabama
 Arkansas
 Iowa

Louisiana
 Missouri
 Tennessee

Mr. William Anderson
 Director, Education Programs Office
 Mail Code CL01
NASA Marshall Space Flight Center
 Huntsville, AL 35812-0001
 Phone: (205) 544-8811

NASA Educator Resource Center
 for Marshall Space Flight Center
 U.S. Space and Rocket Center
 P.O. Box 070015
 Huntsville, AL 35807-7015
 Phone: (205) 544-5812

Mississippi

Dr. David Powe
 Manager, Educational Programs
NASA John C. Stennis Space Center
 P.O. Box 508
 Iuka, MS 38852-0508
 Phone: (601) 423-7452

NASA Educator Resource Center
 Building 1200
 NASA John C. Stennis Space Center
 Stennis Space Center, MS 39529-6000
 Phone: (601) 688-3338

Mr. David Seidel
 Precollege Officer
 Mail Stop CS-530
NASA Jet Propulsion Laboratory
 4800 Oak Grove Drive
 Pasadena, CA 91109-8099
 Phone: (818) 354-6916

NASA Educator Resource Center
 Mail Stop CS-530
 NASA Jet Propulsion Laboratory
 4800 Oak Grove Drive
 Pasadena, CA 91109-8099
 Phone: (818) 354-6916

California (mainly cities near
 Dryden Flight Research Facility)

Dr. Marianne McCarthy
 Education Specialist
 P.O. Box 273, MS D4839A
NASA Dryden Flight Research Facility
 Edwards, CA 93523-0273
 Phone: (805) 258-2281

NASA Educator Resource Center for
 NASA Dryden Flight Research Facility
 45108 N. 3rd. Street East
 Lancaster, CA 93535
 Phone: (805) 948-7347

Virginia and Maryland's
 Eastern Shores

Mr. Keith Koehler
 Public Affairs Specialist
Wallops Flight Facility
 Wallops Island, VA 23337
 Phone: (804) 824-1597

NASA Goddard Space Flight Center
 Wallops Flight Facility
 Education Complex/Visitor Center Bldg. J-17
 Wallops Island, VA 23337-5099
 Phone: (804) 824-2297 / 2298

TEACHER REPLY CARD

Teachers and Students Investigating Plants in Space: A Teacher's Guide with Activities for Life Sciences

To achieve America's goals in Educational Excellence, it is NASA's mission to develop supplementary instructional materials and curricula in science, mathematics, and technology. NASA seeks to involve the educational community in the development and improvement of these materials. Your evaluation and suggestions are vital to continually improving NASA educational materials.

Please take a moment to respond to the statements and questions below. You can submit your response through the Internet or by mail. Send your reply to the following Internet address:

http://ednet.gsfc.nasa.gov/edcats/teacher_guide

You will then be asked to enter the publication number, you will see this form generated electronically on your screen. Enter your data at the appropriate prompt.

Otherwise, fold the mailer in half, tape it shut, affix proper postage, and return the reply card by mail. Thank you.

1. With what grades did you use the teacher guide and activities?

Number of **Teachers/Faculty**:
 ___ K-4 ___ 5-8 ___ 9-12 ___ Community College ___ College/University
 ___ Graduate ___ Undergraduate

Number of **Students**:

___ K-4 ___ 5-8 ___ 9-12 ___ Community College ___ College/University
 ___ Graduate ___ Undergraduate

Number of **Others**:

___ Administrators/Staff ___ Parents ___ Professional Groups ___ Civic Groups
 ___ General Public ___ Other

2. What is your 9-digit zip code? _____

3. How was the quality of this teacher's guide?

Excellent Good Average Poor Very Poor

4. How did you use this teacher's guide?

- | | |
|--|---|
| <input type="checkbox"/> Background Information | <input type="checkbox"/> Critical Thinking Tasks |
| <input type="checkbox"/> Demonstrate NASA Materials | <input type="checkbox"/> Demonstration |
| <input type="checkbox"/> Group Discussions | <input type="checkbox"/> Hands-On Activities |
| <input type="checkbox"/> Integration Into Existing Curricula | <input type="checkbox"/> Interdisciplinary Activity |
| <input type="checkbox"/> Lecture | <input type="checkbox"/> Science and Mathematics |
| <input type="checkbox"/> Team Activities | <input type="checkbox"/> Standards Integration |

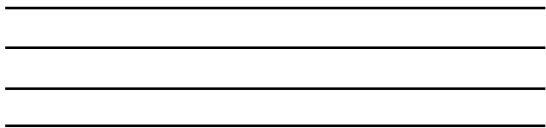
Other: Please specify:

5. What features of this guide did you find particularly helpful?

6. How can we make this guide more effective for you?

7. Additional comments:

Fold along line, and tape closed.



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EDUCATION DIVISION
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