

HOW HIGH IS IT WEB SITES

RESEARCH AIRCRAFT/ROCKETS/SPACECRAFT

Blended Wing Body

<http://oea.larc.nasa.gov/PAIS/BWB.html>

BOOMERanG

<http://www.wff.nasa.gov/pages/scientificballoons.html>

<http://www.physics.ucsb.edu/~boomerang/>

F-15 ACTIVE

<http://www.dfrc.nasa.gov/PAO/PAIS/HTML/FS-048-DFRC.html>

Helios Prototype

<http://www.dfrc.nasa.gov/PAO/PAIS/HTML/FS-068-DFRC.html>

KC -135

<http://microgravity/kjenks/kc-135.htm>

SOFIA

<http://sofia.arc.nasa.gov/>

<http://www.ipac.caltech.edu/Outreach/Edu/>

Sounding Rockets

<http://rscience.gsfc.nasa.gov/>

EARTH ORBITING SATELLITES

Chandra Observatory

<http://chandra.nasa.gov>

<http://chandra.harvard.edu/photo/0052/index.html>

Geostationary Operational Environmental Satellite (GOES)

<http://goes2.gsfc.nasa.gov/>

<http://rsd.gsfc.nasa.gov/goes/text/hotstuff.html>

Global Positioning System (GPS)

<http://leonardo.jpl.nasa.gov/msl/Programs/gps.html>

Hubble Space Telescope (HST)

<http://www.stsci.edu>

<http://opposite.stsci.edu/pubinfo/latest.html>

Landsat

<http://landsat.gsfc.nasa.gov/>

Terra

<http://terra.nasa.gov/>

<http://visibleearth.nasa.gov/Sensors/Terra/>

TOPEX/Poseidon

<http://topex-www.jpl.nasa.gov/>

<http://www.jpl.nasa.gov/elnino/>

Tracking and Data Relay Satellite System (TDRSS)

<http://nmssp.gsfc.nasa.gov/tdrss/tdrsshome.html>



Tropical Rainfall Measuring Mission

<http://trmm.gsfc.nasa.gov/>

http://trmm.gsfc.nasa.gov/Ed_Resources.html

CREWED SPACECRAFT

International Space Station

<http://spaceflight.nasa.gov/station/>

Space Shuttle

<http://spaceflight.nasa.gov/shuttle/>

X-37

<http://www.msfc.nasa.gov/news/background/facts/x37.htm>

MOON

<http://www.tsgc.utexas.edu/everything/moon/>

NASA ENTERPRISES

Aerospace Technology

<http://www.aerospace.nasa.gov/>

Biological and Physical Research

<http://spaceresearch.nasa.gov/>

Earth Sciences

<http://www.earth.nasa.gov/>

Human Exploration and Development of Space

<http://spaceflight.nasa.gov>

Space Science

<http://spacescience.nasa.gov/osshome.htm>

<http://teachspacescience.stsci.edu/>

NASA EDUCATION

NASA Education Programs

<http://education.nasa.gov/>

NASA Spacelink

<http://spacelink.nasa.gov/index.html>

DOWNLOADABLE MATERIALS FOR THE HOW HIGH IS IT EDUCATOR'S GUIDE

The Educator's Guide, gamecards, and overhead sets can be downloaded.

The National Center for Microgravity Research on Fluids and Combustion K–12 Education Program, For the Classroom (by the guide's authors)

<http://www.ncmr.org/education/k12/classroom.html>

NASA Spacelink (Search for How High Is It.)

<http://spacelink.nasa.gov/products>



NASA RESOURCES FOR EDUCATORS

NASA's 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 catalog and an order form by one of the following methods:

- NASA CORE
Lorain County Joint Vocational School
15181 State Route 58
Oberlin, OH 44074-9799
- Toll-free Ordering Line: 1-866-776-CORE
- Toll-free FAX Line: 1-866-775-1460
- E-mail: nasaco@leeca.org
- Home Page: <http://education.nasa.gov/core>

Educator Resource Center Network (ERCN)

To make additional information available to the education community, NASA has created the NASA Educator Resource Center (ERC) network. Educators may preview, copy, or receive NASA materials at these sites. Phone calls are welcome if you are unable to visit the ERC that serves your geographic area. A list of the centers and the regions they serve includes:

AK, HI, ID, MT, NV, OR, UT, WA, WY, Northern CA

NASA Educator Resource Center

Mail Stop 253-2

NASA Ames Research Center

Moffett Field, CA 94035-1000

Phone: (650) 604-3574

*CT, DE, DC, ME, MD, MA, NH,
NJ, NY, PA, RI, VT*

NASA Educator Resource Laboratory
Mail Code 130.3

NASA Goddard Space Flight Center

Greenbelt, MD 20771-0001

Phone: (301) 286-8570

CO, KS, NE, NM, ND, OK, SD, TX
Space Center Houston

NASA Educator Resource Center for

NASA Johnson Space Center

1601 NASA Road One

Houston, TX 77058

Phone: (281) 244-2129

FL, GA, PR, VI

NASA Educator Resource Center

Mail Code ERC

NASA Kennedy Space Center

Kennedy Space Center, FL 32899

Phone: (321) 867-4090

VA and MD's Eastern Shores

NASA Educator Resource Center

Visitor Center Building J-17

GSFC/Wallops Flight Facility

Wallops Island, VA 23337

Phone: (757) 824-2298



KY, NC, SC, VA, WV
Virginia Air & Space Center
Educator Resource Center for
NASA Langley Research Center
600 Settlers Landing Road
Hampton, VA 23669-4033
Phone: (757) 727-0900 x 757

IL, IN, MI, MN, OH, WI
NASA Educator Resource Center
Mail Stop 8-1
NASA Glenn Research Center
21000 Brookpark Road
Cleveland, OH 44135
Phone: (216) 433-2017

AL, AR, IA, LA, MO, TN
U.S. Space and Rocket Center
NASA Educator Resource Center for
NASA Marshall Space Flight Center
One Tranquility Base
Huntsville, AL 35807
Phone: (256) 544-5812

MS
NASA Educator Resource Center
Building 1200
NASA Stennis Space Center
Stennis Space Center, MS 39529-6000
Phone: (228) 688-3220

AZ and Southern CA
NASA Educator Resource Center for
NASA Dryden Flight Research Center
45108 N. 3rd Street East
Lancaster, CA 93535
Phone: (661) 948-7347

CA
NASA JPL Educator Resource Center
Village at Indian Hill
1460 East Holt Avenue, Suite 20
NASA Jet Propulsion Laboratory
Pomona, CA 91767
Phone: (909) 397-4420

Regional Educator Resource Centers offer more educators access to NASA educational materials. NASA has formed partnerships with universities, museums, and other educational institutions to serve as regional ERCs in many states. A complete list of regional ERCs is available through CORE, or electronically via NASA Spacelink at <http://spacelink.nasa.gov/ercn/>

NASA's Education Home Page serves as a cyber-gateway to information regarding educational programs and services offered by NASA for the American education community. This high-level directory of information provides specific details and points of contact for all of NASA's educational efforts, Field Center offices, and points of presence within each state. Visit this resource at the following address: <http://education.nasa.gov>

NASA Spacelink is one of NASA's electronic resources specifically developed for the educational community. Spacelink serves as an electronic library to NASA's educational and scientific resources, with hundreds of subject areas arranged in a manner familiar to educators. Using Spacelink Search, educators and students can easily find information among NASA's thousands of Internet resources. Special events, missions, and intriguing NASA Web sites are featured in Spacelink's "Hot Topics" and "Cool Picks" areas. Spacelink may be accessed at: <http://spacelink.nasa.gov>

NASA Spacelink is the official home to electronic versions of NASA's Educational Products. A complete listing of NASA's Educational Products can be found at the following address: <http://spacelink.nasa.gov/products>

NASA Television (NTV) features Space Station and Shuttle mission coverage, live special events, interactive educational live shows, electronic field trips, aviation and space news, and historical NASA footage. Programming has a 3-hour block—Video (News) File, NASA Gallery, and Education File—beginning at noon Eastern and repeated five more times throughout the day. Live feeds preempt regularly scheduled programming.

Check the Internet for program listings at:
<http://www.nasa.gov/ntv>



NTV Weekday Programming Schedules
(Eastern Times)

Video File	NASA Gallery	Education File
12-1 p.m.	1-2 p.m.	2-3 p.m.
3-4 p.m.	4-5 p.m.	5-6 p.m.
6-7 p.m.	7-8 p.m.	8-9 p.m.
9-10 p.m.	10-11 p.m.	11-12 p.m.
12-1 a.m.	1-2 a.m.	2-3 a.m.

For more information on NTV, contact:

NASA TV
NASA Headquarters
Code P-2
Washington, DC 20546-0001
Phone: (202) 358-3572

How to Access Information on NASA's Education Program, Materials, and Services EP-2000-09-345-HQ

This brochure serves as a guide to accessing a variety of NASA materials and services for educators. Copies are available through the ERC network, or electronically via NASA Spacelink.



How High Is it?

An Educator's Guide with Activities
Focused on Scale Models of Distances

EDUCATOR REPLY CARD

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 the continual improvement of 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://ehb2.gsfc.nasa.gov/edcats/educator_guide

You will then be asked to enter your data at the appropriate prompt.

Otherwise, please return the reply card by mail. Thank you.

1. With what grades did you use the educator guide?

Number of Teachers/Faculty:

_____ K-4 _____ 5-8 _____ 9-12 _____ Community College

College/University: _____ Undergraduate _____ Graduate

Number of Students:

_____ K-4 _____ 5-8 _____ 9-12 _____ Community College

College/University: _____ Undergraduate _____ Graduate

Number of Others:

_____ Administrators/Staff _____ Parents _____ Professional Groups

_____ General Public _____ Civic Groups _____ Other

2. What is your home 5- or 9-digit zip code? _____ — _____

3. This is a valuable educator guide.

Strongly Agree Agree Neutral Disagree Strongly Disagree

4. I expect to apply what I learned in this educator guide.

Strongly Agree Agree Neutral Disagree Strongly Disagree

5. What kind of recommendation would you make to someone who asks about this educator guide?

Excellent Good Average Poor Very Poor

6. How did you use this educator guide?

Background Information Critical Thinking Tasks
 Demonstrate NASA Materials Demonstration
 Group Discussions Hands-on Activities
 Integration Into Existing Curricula Interdisciplinary Activity
 Lecture Science and Mathematics
 Team Activities Standards Integration
 Other: Please specify: _____

7. Where did you learn about this educator guide?

NASA Educator Resource Center
 NASA Central Operation of Resources for Educators (CORE)
 Institution/School System
 Fellow Educator
 Workshop/Conference
 Other: Please specify: _____

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

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

10. Additional comments:

Today's Date: _____

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