

NASA Aerospace Educational Services Program (AESP)
Earth and Processes that Shape It
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Title: NASA Earth Science – Earth and the Processes that shape it

Description: This session will highlight NASA education opportunities for teachers to use with their students the Earth and the processes that shape it. This session will provide overview of NASA missions and education resources and opportunities useful for involving students studying the Earth as a system.

Presenter: Jim Fitzgerald, Instructor

Jim is a NASA AESP Representative in the NASA Glenn Research Center six-state region.

Request AESP programs at: <http://csats.psu.edu/aesp.htm>

- NASA Portal: <http://www.nasa.gov>
- NASA Earth Systems Ed - http://eartheducator.gsfc.nasa.gov/Student_Activities/more2.html
- Earth as a system – <http://nagt.org/files/nagt/jge/abstracts/hendersonv54p210.pdf>
- Storm eWeather - <http://dln.nasa.gov/dln/content/catalog/details/?cid=584>
- NASA & IPY - http://www.nasa.gov/mission_pages/IPY/main/index.html
- Earth/Moon – http://sunearth.gsfc.nasa.gov/sunearthday/2004/vt_webcasts_2004_3.htm

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Other Links:

- Exploration Systems Mission Directorate: <http://www.exploration.nasa.gov/>
- STS-118 Mission: <http://www.nasa.gov/sts118>
- Human Spaceflight: <http://spaceflight.nasa.gov>
- Space Operations Mission Directorate: <http://www.hq.nasa.gov/osf/>
- NASA Vision for Space Exploration:
http://www.nasa.gov/mission_pages/exploration/main/index.html
- Space Shuttle: http://www.nasa.gov/mission_pages/shuttle/main/index.html
- Astronaut Selection: <http://www.nasajobs.nasa.gov/astronauts/>
- Astronaut Biographical Sketch: <http://www.jsc.nasa.gov/Bios/>
- Humans in Space: <http://www.nasa.gov/vision/space/features/index.html>
- New Launch Vehicle: http://www.nasa.gov/mission_pages/constellation/main/index.html
- Robotics <http://robotics.nasa.gov/home/home.php>
- Astronauts' Little Helpers: http://www.nasaexplores.com/show2_article.php?id=01-046
- ImagiBotics: <http://robotics.arc.nasa.gov/edu/6-8.htm>
- [http://digg.com/educational/New NASA video: astounding arctic sea ice melt](http://digg.com/educational/New_NASA_video:_astounding_arctic_sea_ice_melt)
- <http://www.youtube.com/watch?v=Elo5cqdV1kM>

Introduction to NASA Education

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

- STS-118 Student Challenges:
<http://www.nasa.gov/audience/foreducators/stseducation/home/index.html>
- Education Resources
[http://www.nasa.gov/audience/foreducators/topnav/schedule/extrathemes/F Back to the Moon and Mars Extra.html](http://www.nasa.gov/audience/foreducators/topnav/schedule/extrathemes/F_Back_to_the_Moon_and_Mars_Extra.html)
- Student Opportunities: <http://www.nasa.gov/audience/forstudents/5-8/features/index.html> ,
[http://www.nasa.gov/audience/forstudents/5-8/features/F Vision for Space Exploration.html](http://www.nasa.gov/audience/forstudents/5-8/features/F_Vision_for_Space_Exploration.html)
- NASA Connect: <http://connect.larc.nasa.gov/>
- NASA Connect – Student Sheet - Functions and Statistics – International Space Station – Up to Us: http://connect.larc.nasa.gov/connect_bak/pdf/00_5.pdf
- NASA Explorer Schools <http://explorerschools.nasa.gov>
- Digital Learning Network: <http://nasadln.nmsu.edu/dln/>
- Central Operations of Resources for Educators (K-4 resources)
<http://catalog.core.nasa.gov/core.nsf/CoreWtype?SearchView&SearchOrder=4&Query=K-4>
- Science @ NASA <http://science.hq.nasa.gov/index.html>
- Science @ NASA Educators page <http://science.hq.nasa.gov/education/index.html>
- Space Place <http://spaceplace.nasa.gov>
- Sci-Files <http://scifiles.larc.nasa.gov/treehouse.html>
- NASA Quest <http://quest.nasa.gov>
- NASA Explores: <http://www.nasaexplores.com>
- National Education Standards: <http://www.nasaexplores.com/standards/standards.php>
- Earth Moon System: [http://www.nasa.gov/audience/foreducators/k-4/features/A Earth Moon Mars Balloons.html](http://www.nasa.gov/audience/foreducators/k-4/features/A_Earth_Moon_Mars_Balloons.html)