

2000-2009 NASA SMD Science Education Products

Products that have passed the review -- 10/15/2009

ALL

NOTE:

[Additions since the last release are highlighted at the bottom of the document.](#)

NASA Science Mission Directorate EPO Groups: Astrophysics, Heliophysics, Planetary Science, Earth Science

NASA Science Areas (pre-2006): ASO - Astronomical Search for Origins; Earth Science; SEC - Sun-Earth Connection; SEU - Structure and Evolution of the Universe; SSE - Solar System Exploration

Quick Link to Forum Lists: [Astrophysics](#) [Heliophysics](#) [Planetary Science](#) [Earth Science](#)
[Back to ALL](#)

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	1997-98 El Nino	N/A	Earth Science	Students, Teachers (Precollege), College/University Instructors	Lithograph	Broad Distribution	1999	
	A Guide to Earth's Magnetic Personality: Magnetic Data in the Classroom	http://cse.ssl.berkeley.edu/SEGwayed/lessons/exploring%5Fmagnetism/earths%5Fmagnetic%5Fpersonality/	Heliophysics	Grades 9-14 and Physical Science Teachers	PDF and printed Teacher Guide	Recommended	Fall 2007	
	Achieving Orbit (formerly Rocket Staging Challenge)		Heliophysics	Informal educators to use with a general audience of museum visitors (IBEX planetarium show)	Activity Guide (PDF and handout)	Recommended, revisions next update	Winter 2007/2008	
	Active Galaxies Educator's Guide	http://ibexwst.space.swri.edu/planetaria/index.:http://glast.sonoma.edu/teachers/teachers.html	Astrophysics	Teachers, Students Grades 9-12	Pamphlet, Poster/Wallsheet	Broad Distribution	Resubmitted Spring 2007	
	Active Galaxy Pop-up Book	http://glast.sonoma.edu/teachers/agn/agnacti027.pdf	Astrophysics	Grades 5 and up + Special Needs students	Book	Broad Distribution	Resubmitted May 2007	
	AIR (part of EOS Science Poster Series AIR, ICE, LAND, WATER)	http://eospsoc.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/AIR/AIR_POST_front.jpg ; http://eospsoc.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/index.php	Earth Science	Informal Education; Students, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional	Wallsheet or Poster, Web Site	Approved for Broad Distribution for Formal Education (Middle School - Post Secondary), Needs Revisions for Informal Education	2002	
	Alaska: A Bird's Eye View	http://www.birds-eye-view.alaska.edu/	Earth Science	Students, Teachers (Precollege), Web Users , Children/Youth , Middle school (Grades 6-8), Intermediate elementary (Grade 3-5)	Web Site	Broad Distribution	2003	
	Albert Einstein, A Genius...Relatively Speaking	http://amazing-space.stsci.edu/news/archive/2006/04/	Astrophysics	Grades 5-8	Web based exercise	Recommended	Winter Review 2008/2009	
	All About Earth Our World on Stage - A GLOBE Activity	http://www.globe.gov/elementaryglobe/review.htm	Earth Science	Students K-4	Booklet/Website	Recommended	Summer 2006	
**	Amazing Space WWW site	http://amazing-space.stsci.edu/	ASO	Teachers & Students: Grades 4-12	WWW site	Broad Distribution - Revisions on Next Edition/Printing; Approval Pending 508 Compliance	2004	Videos being closed captioned currently.
	Analyzing Populations with Maps (Chapter from the Earth Exploration Toolbook - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	Grade 8 + High school (Grades 9-12)	Web Site	Broad Distribution + Teacher Workshops	2004	Earth Exploration Toolbook

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	Analyzing the Antarctic Ozone Hole (A chapter of the Earth Exploration Toolbook)	http://serc.carleton.edu/eet/ozonehole/index.html	Earth Science	Students, Teachers Grades 7-10	Website, PDF	Recommended	Resubmission Spring 2006	Earth Exploration Toolbook
	Ancient Eyes Looked to the Skies	http://chabotspace.org/vsc/solar/educationresources/ancienteyes/ancient_eyes.pdf	SEC	Students, Teachers (Grades 4-8)	PDF document	Recommended, Revisions next printina/update Broad Distribution	2005	
	Angling for Gamma-Ray Bursts Wall Sheet and Activity 2	http://swift.sonoma.edu/education/	SEU	Teachers & Students Grades 9-12	PDF, Website, Poster/Wallsheet	Broad Distribution	2005	Recommended for minor revisions in Summer 2004; addressed the revisions in Winter 2004/05
	Annotating Change in Satellite Images (Chapter from the Earth Exploration Toolbook - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	Middle School (Grades 7-8), High school (Grades 9-12), Undergraduate (Grades 13-16)	Web Site	Broad Distribution + Teacher Workshops and subject competent teachers	2004	Earth Exploration Toolbook
	Antarctic Expeditions: Ozone Hole	http://www.planearthsci.com/products/Ozone_Hole/Ozone_Hole.html	Earth Science	Students, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Broad Distribution	2002	

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	Apollo 17 View of Earth	http://www.nasa.gov/lb/audience/foreducators/topnav/materials/listbytype/Apollo.17.View.of.Earth.html	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1995	
	Appearances can be Deceiving!	http://pluto.jhuapl.edu/common/content/lessonPlans/appearances_can_be_deceiving.pdf	SSE	Teachers Grades 6-8	CD-ROM, PDF	Broad Distribution, Revise Next Printing and via Teacher Workshops	2006	
	Aqua: AIRS, AMSU, HSB, AMSR-E, CERES, MODIS	http://eosps0.gsfc.nasa.gov/ftp_docs/Aqua_brochure.pdf	Earth Science	College/University Instructors, Industry, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education	Web Site	Broad Distribution	2002	
	Aquarius/SAC-D Educational Wall Poster	http://aquarius.nasa.gov/education-poster.html	Earth Science	Teachers, Students Grades 8-13 and adults	Wallsheet/Poster	Recommended	Summer 2009	
	Arctic Observatory/Sea Ice in the Polar Regions	http://catalog.core.nasa.gov/core.nsf/item/400.1-18	Earth Science	Students, Teachers, High school (Grades 9-12), Middle school (Grades 6-8)	CD ROM	Broad Distribution	1997	
	Aruba Cloud Cover Measured by Satellite - MY NASA DATA Contributed Lesson 5	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 6-9	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Asters Hoity Toity Belt	http://dawn.jpl.nasa.gov/DawnKids/index.asp	Planetary Science	Elementary School Grades K-4	Web and PDF	Recommended via Teacher Workshops and with materials on the same topic for background	Summer 2007	
	Astrobiology Education Poster	http://nai.arc.nasa.gov/poster	ASO	Teachers & Students: Grades 7-12	Poster & Activities	Broad Distribution - Revisions on Next Edition/Printing	2004	
	Astrobiology: Science Learning Activities for After School	http://www.nasa.gov/pdf/145916main_Astrobiology_Guide.pdf	ASO	Informal after school Guide for ages 5-12 and Underserved audiences	Book	Recommended Revise Next Printing	2006	
	Astro-Venture Astronomy Educators Guide	http://astroventure.arc.nasa.gov	SSE	Grades 5-8	WWW site□PDF	Broad Distribution□Workshop Distribution	2002	
	Astro-Venture Atmospheric Sciences Educator's Guide	http://quest.arc.nasa.gov/projects/astrobiology/astroventure/atmosphere/training/index.html	SSE	Grades 5-8	PDF	Broad Distribution□Workshop Distribution	2003	
	Astro-Venture Biology Educators' Guide	http://astroventure.arc.nasa.gov/	SSE	Teachers: Grades 5-8	Educators' Guide	Broad Distribution - Revisions on Next Edition/Printing	2004	
	Astro-Venture Education Wallsheet		SSE	Grades 5-8	Poster/ Wallsheet	Broad Distribution□Revise Next Printing	2003	
	Astro-Venture Geology Educators' Guide	http://astroventure.arc.nasa.gov/	SSE	Teachers: Grades 5-8	Educators' Guide	Limited Distribution and Workshop Distribution	2004	
	At Work in the Ocean	http://catalog.core.nasa.gov/core.nsf/item/400.1-45	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM	Broad Distribution	2002	
	ATLAS-1: Studying Mysteries in Earth's Atmosphere	http://catalog.core.nasa.gov/core.nsf/item/100.0-38	Earth Science	Teachers, Middle School (Grades 6-8)	Book or Booklet, Slides 35mm	Broad Distribution	1995	
	Atmospheric Detectives: ATLAS 2 Teacher's Guide With Activities	http://catalog.core.nasa.gov/core.nsf/item/300.1-29P	Earth Science	Teachers, Middle School (Grades 6-8)	Book or Booklet	Broad Distribution	1995	

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	Augmented Learning Environment and Renewable Teaching (ALERT)	http://projectalert.nasa.gov	Earth Science	Teachers (Precollege)	Web Site	Limited Audience (CA)	1999	
	Aura Ozone Monitoring Garden	http://aura.gsfc.nasa.gov/	Earth Science	Formal Ed Grades 6-12, Informal; Public	Lithograph	Broad Distribution	Interim Review Fall 2006	
	Aurora, What Causes the Northern Lights?		SEC	Students: Grades 5-12 and the General Public	Brochure	Broad Distribution - Revisions on Next Edition/Printing	2004	Missed from earlier list.
	Beyond the Solar System: Expanding the Universe in the Classroom	http://www.cfa.harvard.edu/seuforum/btss/	Astrophysics	Teachers, Professional Development Providers Grades 8-14	DVD with PDF files on disk	Recommended and through teacher workshops	Winter 2006/07	
	Biomass Burning Bookmark	http://asd-www.larc.nasa.gov/education/firesat_biomass.pdf	Earth Science	Students, Teachers Middle school (Grades 6-8), High school (Grades 9-12), Informal education	Web Site	Broad Distribution	2001	

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	Birth of a Large Iceberg in Pine Island Bay, Antarctica	http://eosps0.gsfc.nasa.gov/ftp_docs/lithographs/Antarctica_Lith.pdf	Earth Science	High school (Grades 9-12), Informal education, General public	Lithograph, Web Site	Broad Distribution	2003	
	Birthday Wishes for Hubble	http://amazing-space.stsci.edu/news/archive/2007/02/	Astrophysics	Grades 5-8	Web based exercise	Recommended, revisions next update	Winter Review 2008/2009	
	Black Hole FAQ	http://fermi.sonoma.edu/teachers/blackholes/index.html	Astrophysics	Informal Audiences, Ages 13+, Informal Learning Centers	Website PDF, Brochure or Pamphlet	Recommended	Resubmitted May 2009	
	Black Hole Math	http://spacemath.gsfc.nasa.gov/SMBooks/BlackHoleMathV2.pdf	Heliophysics	Grades 3-12 (individual problems span a smaller grade range, see the table of contents for details)	PDF Booklet	Recommended	Resubmission May 2009	
	Blending Science and Art with Landsat (Lena Delta Lithograph)	Needed	Earth Science	Needed	Needed	Needed	Resubmission Summer 2006	
	Blue Planet	http://catalog.core.nasa.gov/core.nsf/item/002.2-15V,	Earth Science	High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, General public	DVD, VHS videotape	Broad Distribution	2002	
**	Building the Coolest X-Ray Satellite: Astro-E2 Teacher Guide	http://suzaku-epo.gsfc.nasa.gov/docs/suzaku-epo/education/video/video.html	SEU	Teachers Grades 9-12	Book & DVD	Recommended with revisions next update and via teacher workshops	2006	Pending 508 compliance
	Buried Water Ice on Mars	http://grs.lpl.arizona.edu/lessons/buried_water.html	Planetary Science	Dirty Ice, Icy Dirt - grades 6-10 Mars Exploration Debate - grades 6-10 Mars Image Analysis Extension - grades 6-10 Why Follow the Water? with Extension Activity - grades 6-10 Remote Sensing Ices on Mars with Extension Activity - grades 8-10	Word documents, PDF articles, Power Point presentation and a computer simulation.	Recommended pending 508 compliance	Summer 2007	
	Calculator Controlled Robots: Hands-On Math and Science	none	SSE	Students, Grades 6-9	Book	Recommended, limited Audience (note cost of needed equipment), revisions next update.	2006	
	Carbon Monoxide and Population Density - MY NASA DATA Contributed Lesson 12	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 9-12	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Cat's Eye Nebula - In Search Of	http://amazing-space.stsci.edu/eds/overviews/print/lithos/nebula-catseye.php.p=Teaching+tools%40%2Ceds%2Ctools%2C%3EPictures+%2Aamp%2Aamp%3B+facts%40%2Ceds%2Ctools%2Ctype%2Cpictures.php	Astrophysics	Grades 9-12	Lithograph	Recommended, revisions next update	Winter Review 2008/2009	
**	Ceres and Pluto: Dwarf Planets as a New Way of Thinking About an Old Solar System	http://dawn.jpl.nasa.gov/DawnClassrooms/dwarf_planet.pdf	Planetary Science	Grades K-5	Website Units	Broad Distribution	Winter 2007/2008	

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	CERES: Clouds and the Earth's Radiant Energy System	http://eosps0.gsfc.nasa.gov/ftp_docs/AIRS.pdf	Earth Science	Students, College/University Instructors, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Science Community	Web Site	Limited Distribution: Postsecondary/ Professional	2001	
	Chandra Activity/Coloring Book		ASO	Informal education for grades 4+	Coloring book/activity book	Limited Audience/Distribution: informal education for children in grades 4+	2001	
	Chandra Images and Handouts CD		SEU	N/A	CD-ROM	Broad Distribution, Revise Next Printing	2001	
	ChemMatters - Special Issue on Aura 2005	http://chemistry.org/education/chemmatters.html http://aura.gsfc.nasa.gov	Earth Science	Students, Teachers Grades 9-12	Magazine Issue	Broad Distribution	2006	
	ChemMatters October 2003 Special Edition: NASA's EOS Aura	http://www.chemistry.org/portal/resources/ACS/ACSContent/education/curriculum/chemmatters/ta/2003_10_tq.pdf	Earth Science	Students, Teachers, High school (Grades 9-12)	Web Site, Other:	Broad Distribution	2003	
	ChemMatters September 2001 Special Edition: NASA's EOS Aura	http://www.chemistry.org/portal/resources/ACS/ACSContent/education/curriculum/chemmatters/cm_sep01.pdf	Earth Science	Students, Teachers, High school (Grades 9-12)	Web Site	Broad Distribution	2001	
	ChemMatters September 2002 Special Edition: NASA's EOS Aura, Meet the people behind the mission	http://www.chemistry.org/portal/a/c/s/1/resources?id=e583e622b38e11d6fc166ed9fe800100	Earth Science	Students, Teachers, High school (Grades 9-12)	Web Site	Broad Distribution	2002	

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	Chesapeake Bay and Mid-Atlantic from Space	http://chesapeake.towson.edu	Earth Science	Teachers (Precollege), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education	Web Site	Approved for Limited Audiences- Post Secondary instruction and State/local Government officials., Not Approved for k-12: A "work in progress" for k-12 educational purposes.	2002	
	CHIPS Science Investigation: Exploring the Interstellar Medium Choosing a Career in Atmospheric Science	http://cse.ssl.berkeley.edu/chips_epo/ideas.html - scroll down and click on links for html or PDF files http://oea.larc.nasa.gov/PAIS/pdf/FS-2002-12-65-LaRC.pdf	SEU Earth Science	Grades 9-14 Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	PDF□WWW site□Pamphlet Web Site	Broad Distribution Broad Distribution - Educator Resource	2003 2002	
	Cindi educational activities CD	http://cindispace.utdallas.edu/education/cindi-comic.html	Heliophysics	Informal Education (With Website information - formal education Grades 6-8)	CD-ROM/Website	Broad Distribution	Resubmitted Winter 2007/08	
	Cindi in Space	http://cindispace.utdallas.edu/education/cindi-comic.html	Heliophysics	Informal Education (With Website information - formal education Grades 6-8)	Booklet/Comic Book	Broad Distribution	Resubmitted Winter 2007/08	
	Climate Change Presentation Kit	http://www.epa.gov/enviroed/globalclimate.html The toolkit will be at: http://www.globalchange.gov/ImpactsToolkit	Earth Science Earth Science	Middle School Teachers and Informal Audiences	CD ROM PDF and print materials	Broad Distribution Broad Distribution	1999 Interim Review Spring 2009	
	Climate Change Toolkit	This link should be active before the end of June.						
	Cloud Patterns in Toronto, Ontario, Canada - MY NASA DATA Contributed Lesson 8	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 9-10	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Clouds Bookmark	http://asd-www.larc.nasa.gov/education/Clouds_Bookmark.pdf	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal education	Web Site	Broad Distribution	2001	
	CloudSat CD Revealing the Inner Secrets of Clouds	http://cloudsat.atmos.colostate.edu/outreach/education or http://cloudsat.atmos.colostate.edu/	Earth Science	Students, Middle School (Grades 6-8), High School (Grades 9-12), Undergraduate Lower Division (First two years).	CD ROM	Broad Distribution	2005	resubmitted and approved Fall 2005
	Collaborative Decision Making	http://deepimpact.jpl.nasa.gov/collabortive_ed_module/index.html	SSE	Grades 7-12	Pamphlet□WWW site	Workshop Distribution	2003	
	Colors of the Sun Spectroscopy Poster	http://solar-center.stanford.edu/posters/colors.html	SEC	Grades 5-8	Poster	Broad Distribution□Workshop Distribution	2001	
	Committee on Earth Observation Satellites (CEOS): Resources in Earth Observation	http://ceos.cnes.fr:8100/cdrom-98/astart.htm	Earth Science	Students, Teachers, College/University Instructors, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional	Web Site	Broad Distribution	1999	
	Comparisons of Snow Cover on Different Continents - MY NASA DATA Contributed Lesson 3	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students Grades 4-8	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson

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	Contrail Education Website	http://asd-www.larc.nasa.gov/GLOBE/	Earth Science	Students, Teachers Grades 3-12	Website	Recommended	Summer 2006	
	Cool Cosmos: Heat and Temperature Website	http://coolcosmos.ipac.caltech.edu/cosmic_classroom/light_lessons/thermal/index.html	Astrophysics	Grades 6-12	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cool Cosmos: Infrared Astronomy Website	http://coolcosmos.ipac.caltech.edu/cosmic_classroom/ir_tutorial/	Astrophysics	Grades 9-12	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cool Cosmos: Infrared Image Gallery Website	http://coolcosmos.ipac.caltech.edu/image_galleries/index.html	Astrophysics	Grades K-5	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cool Cosmos: Infrared Yellowstone Website	http://coolcosmos.ipac.caltech.edu/image_galleries/ir_yellowstone/lessons/index.html	Astrophysics	Grades 6-12	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cool Cosmos: Infrared Zoo Website	http://coolcosmos.ipac.caltech.edu/image_galleries/ir_zoo/index.html	Astrophysics	Grades K-8	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cool Cosmos: Multiwavelength Messier Marathon	http://coolcosmos.ipac.caltech.edu/cosmic_classroom/multiwavelength_astronomy/multiwavelength_museum/	Astrophysics	Grades 9-12/Adult education, general public	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cool Cosmos: What is it? Learn about IR Images	http://coolcosmos.ipac.caltech.edu/cosmic_games/what/index.html	Astrophysics	Grades 6-8	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Cosmic Journeys Collectible Card Game		SEU	Grades 6-12	Card game	Limited Distribution - Technology Education	2002	
	Cosmic Questions Educator's Guide	http://cfa-www.harvard.edu/seuforum/exhibit/resources/CQEdGuide.pdf	SEU	Grades 7-12	Book □ PDF	Broad Distribution and Workshop Distribution	2003	
	Cosmic Survey: What are Your Ideas About the Universe?	http://teachspace.science.org/graphics/pdf/10000215.pdf	SEU	Grades 6-12	Educators' Guide	Broad Distribution, Revise Next Printing	2001	
	Cosmic Times	http://cosmictimes.gsfc.nasa.gov/	Astrophysics	Grades 7-12	Booklet (PDF), Word docs.	Recommended	Fall 2008	
	Creating and Analyzing Graphs of Tropospheric Ozone- MY NASA DATA Contributed Lesson 15 DAAC Alliance Annual Feature Articles	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 7-12	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
		http://nasadaacs.eos.nasa.gov/articles/index.html#2003	Earth Science	Teachers, High School (Grades 9-12), Undergraduate Lower Division (First 2 years), Undergraduate Upper Division (Last 2 years), Graduate-Professional	Web Site, Book or Booklet	Broad Distribution	2000	
	Dancing Lights	http://lasp.colorado.edu/education/dancinglights/	Heliophysics	Grades 3-5	Website and PDF documents	Recommended	Resubmission Summer 2009	
	Data Analysis and Generalizations: An Educator Guide with Activities in Mathematics and Science Inquiry	http://genesission.jpl.nasa.gov/educate/scimodule/data/index_data.html	SSE	Teachers & Students: Grades 10-12	Educators' Guide with Activities	Limited Distribution and Workshop Distribution	2004	
	Data Information for Global Change Studies: NASA's Distributed Active Archive Centers and Cooperating Data Centers		Earth Science	Teachers (Precollege), College/University Instructors, Industry	Book or Booklet	Limited Distribution/Audience: Applications Community	2000	
	DataSlate Plus	http://catalog.core.nasa.gov/core.nsf/item/400.1-53 ,	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Book or Booklet, CD ROM, VHS videotape, Web Site	Broad Distribution through NASA CORE and Teacher Workshops	2001	
**	Dawn Mission Video	http://dawn.jpl.nasa.gov/multimedia/index.asp	Planetary Science	Grades 5 to Graduate, Informal Audiences Ages 7+	Website Video	Recommended Pending 508 Compliance (closed captions)	Summer 2007	

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	Dawn: Find a Meteorite	http://dawn.jpl.nasa.gov/Meteorite/index.asp	Planetary Science	Students, Teachers Grades 6-9, Informal Audiences Ages 10-18	Website	Recommended	Resubmitted May 2009	
	Deep Impact Fact Sheet	http://deepimpact.jpl.nasa.gov/mission/factsheet.html	SSE	Grades 5-12	Educational Topic	Broad Distribution, Revise Next Printing	2001	
	Deep Space Network (DSN) Educational Wallsheet	http://deepspace.jpl.nasa.gov/dsn/educ/poster.html	SSE	Grades 5-9	PDF□Poster/ Wallsheet□WWW site	Broad Distribution, Revise Next Printing	2003	
	Destination: Earth	http://www.earth.nasa.gov	Earth Science	Students, Teachers (Precollege), College/University Instructors	Web Site	Broad Distribution	1997	
	Digital Tectonic Activity Map of the Earth	http://core2.gsfc.nasa.gov/dtam	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	2002	
	Discover Earth: Albedo vs. Temperature	http://www.strategies.org/lesson3.html	Earth Science	Teachers (Precollege)	Book or Booklet, Web Site	Teacher Workshops	1999	
	Discover Earth: Ozone	http://www.strategies.org/lesson1.html	Earth Science	Teachers (Precollege)	Book or Booklet, Web Site	Teacher Workshops	1999	
	Discover Earth: The Earth System	http://www.strategies.org/LESSON9.html	Earth Science	Adult Education Students, Teachers, High school (Grades 9- 12)	Book or Booklet, Web Site	Broad Distribution and Teacher Workshops	1999	
	Discover Earth: Where Does the Rain Go	http://www.strategies.org/LESSON7.html	Earth Science	Teachers (Precollege)	Book or Booklet, Web Site	Teacher Workshops	1999	
	Discoveries at Willow Creek - A GLOBE Activity	http://www.globe.gov/elementaryglobe/review.htm	Earth Science	Students K-4	Booklet/Website	Recommended	Summer 2006	
	Discovering Planet X	http://pluto.jhuapl.edu/common/content/lessonPlans/discovering_planet_x.pdf	SSE	Teachers Grades 3-5	CD-ROM, PDF	Broad Distribution, Revise Next Printing and via Teacher Workshops	2006	
	Diverse Galaxy Lithograph	http://amazing-space.stsci.edu/resources/print/lithos/diverse-galaxies_litho.pdf	Astrophysics	Students Grades 6-12 and Informal Audiences, General Public	Lithograph	Broad Distribution	Fall 2007	
	Do Killer Electrons Affect You?	http://teachspacescience.org/graphics/pdf/10001071.pdf	Heliophysics	Students Grades 5-8	Brochure	Broad Distribution	Resubmission Fall 2007	
	Do You Know Clouds Have Names? - A GLOBE Activity	http://www.globe.gov/elementaryglobe/review.htm	Earth Science	Students K-4	Booklet/Website	Recommended	Summer 2006	
	Does Humidity Affect Cloud Formation? - MY NASA DATA Contributed Lesson 13	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 6-8	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Dr. Art's Guide to Planet Earth	http://www.planetguide.net/	Earth Science	Students, Teachers, Adult Education Students, Middle school (Grades 6-8), High school (Grades 9-12)	Book or Booklet	Broad Distribution	2000	
	Dying Stars and the Birth of Elements	http://xmm.sonoma.edu/edu/clea/index.html	Astrophysics	Students, Teachers Grades 11-14	Website + application	Broad Distribution	Winter 2006/07	
	Dynamic Design	http://www.genesismission.org/educate/scimodule/LaunchPropulsion.html	SSE	Grades 5-12	WWW site	Broad Distribution	2002	
	Dynamic Design: The Cleanroom	http://www.genesismission.org/educate/scimodule/CleanRoom.html	SSE	Grades 5-12	WWW site	Limited Audience/Distribution: Technology Education	2002	
	Dynamic Earth	none yet, but am checking with Winnie Humberston to see when it will be available	Earth Science	Middle School to High School Teachers and Informal Educators	On DVD only.	Broad Distribution	Interim Review Spring 2009	
	Earth and Space Science Explorers Poster	http://www.strategies.org/nasaexplorers/	All	All	Poster	Broad Distribution	2007	Interim approval March 2007
	Earth Climate Course	http://icp.giss.nasa.gov/education/modules/ec/cm/	Earth Science	Students (Grades 9-12), Teachers (Precollege), School Librarians	PDF, Excel, and Java applet, CD-ROM	Broad Distribution and Teacher Workshops	2005	Resubmitted and approved Summer 2005

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Earth Expeditions: Global Warming	http://www.planeteearthscience.com/products/Global_Warming/Global_Warming.html	Earth Science	Students, Teachers, Curriculum Developers, Adult Education Students, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years)	CD ROM, Web Site	Broad Distribution	2002	
	Earth from Above: Using Color -Coded Satellite Images to Examine the Global Environment	http://www.uscibooks.com/park.htm	Earth Science	Students, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Book or Booklet	Broad Distribution	1999	
	Earth Matters	http://pluto.jhuapl.edu/education/index.php http://pluto.jhuapl.edu/common/content/pdfs/earthmatters.pdf	Earth Science	Students K-2	PDF, Web	Broad Distribution	Resubmitted Fall 2007	
	Earth Observatory	http://earthobservatory.nasa.gov	Earth Science	Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education, General public	Web Site	Broad Distribution	2001	
	Earth Observing System Poster Set --Cloud Radiative Effects; Global Ice & Sea Level Changes; Impact of Volcanoes; Vegetation & Hydrology Changes; Ozone Depletion; Ocean Processes;Greenhouse Effect		Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Teacher Workshops	1995	
	Earth Science Mystery Book	n/a - see comments http://spaceplace.nasa.gov/en/kids/	Earth Science	Informal Education Ages 7-12	Pamphlet	Broad Distribution	Interim Review June 2007	This product will only be distributed in print form due to the need of a very exact printing method (front and back must match perfectly). It will not be available via the Web.
	Earth Science Picture of the Day	http://epod.usra.edu	Earth Science	Students, Teachers, College/University Instructors, Informal education, General public, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional	Web Site	Broad Distribution	2001	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Earth Systems Connections CD	http://www.tandl.vt.edu/esc	Earth Science	Students, Teachers (Grades K-5, some lessons grades 6-8)	CD	Broad Distribution	2005	Resubmitted and approved Summer 2005
	Earth Systems Connections: An Integrated K-5 Science, Mathematics, and Technology Curriculum	http://www.tandl.vt.edu/esc	Earth Science	Students, Teachers, K-5	CD ROM, Web Site	Broad Distribution and Teacher Workshops	2003	
	Earth Update (also: Earth Update 2005)	http://mtpe.com/mtpe/spheres.html	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Informal education	CD ROM, Web Site	Broad Distribution and Teacher Workshops	2001	The 2005 version was reviewed Winter 04/05 and was recommended with revisions noted that could be incorporated the next time the product is updated. But videos contained in the product lacked closed captioning - it was not 508 compliant. Many revisions were made and the product was made 508 compliant Summer 2005.
	Earth/Mars Comparison Poster	http://marsprogram.jpl.nasa.gov/classroom/earthMarsForm.html	SSE	All	Poster	Broad Distribution and Teacher Workshops; Revise Next Printing	2001	
	Earth/Space Science Slide Set for Educators		Earth Science	Students, Teachers (Precollege)	Slides 35mm, Book or Booklet	Broad Distribution	1995	
	Earth: Inside and Out	http://www.thenewpress.com/books/earthio.htm	Earth Science	Students, High school (Grades 9-12), Informal education, General public	Book or Booklet, Web Site	Passed	2001	
	Earth's Changing Atmosphere: Investigating Its Mysteries		Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Broad Distribution	1995	
	Earth's Energy Balance; The Green House Effect		Earth Science	Students, Teachers (Precollege)	Brochure or Pamphlet (trifold)	Broad Distribution	1995	
	earthsky.com	http://earthsky.com	Earth Science	Students, Teachers (Precollege)	Web Site	Broad Distribution	2000	
	Earthview	http://catalog.core.nasa.gov/core.nsf/item/100.0-29	Earth Science	High school (Grades 9-12), Middle school (Grades 6-8), Undergraduate lower division (First 2 years)	Slides 35mm	CORE Distribution -- This resource has value in that it provides historical perspective: images taken from four different Apollo missions (1969-1985). Catalog description should reflect this.	2002	
	Ecosystem Change and Public Health: A Global Perspective	http://www.press.jhu.edu/books/title_pages/1495.html	Earth Science	Students, College/University Instructors, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional	Book or Booklet	Passed	2001	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Education Resources for Oceanography and Earth Sciences	http://sealevel.jpl.nasa.gov/education/educodoc.html	Earth Science	Teachers (Precollege), College/University Instructors	Bookmark, Web Site	Broad Distribution as a resource (Note: this site was originally reviewed in 2000, many of the links are now dated)	2000	
	El Niño 1997, TOPEX/POSEIDON Satellite		Earth Science	Students, Teachers (Precollege), Informal Education	Slides 35mm	Teacher Workshops - teachers would need instruction/background to effectively use this information	1998	
	El Universo a sus pies: the Greatest of The Universe at Your Fingertips and More Universe at Your Fingertips, in Spanish	http://128.241.173.3/education/astro/astropubs/universo.html	ASO, SSE, SEU, SEC	Grades 3-12	Book	Limited Distribution: Teachers who attend in-depth Project ASTRO training. For more broad distribution, would need revisions/additional information.	2003	
	Electromagnetic Spectrum Poster		ASO	Grades 6-12	Poster/Wallsheet	Broad Distribution	2004	initially submitted in 2003, passed in 2004
	Embracing Earth: Global Change	Produced by InterNetwork Media (out of print) - http://www.in-media.com/	Earth Science	Students, Teachers (Precollege)	CD ROM	Broad Distribution and Teacher Workshops	1998	
	e-Mission: Operation Montserrat	http://clc.wju.edu/OM	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Broad Distribution	2003	
	Enrichment Problems in Space Science: Guide to Magnetism, Magnetic Math	http://spacemath.gsfc.nasa.gov/SMBooks/MagMathV2.pdf	Heliophysics	Grades 6-12 (smaller ranges for each problem/section)	PDF/Booklet	Recommended	Interim Review Summer 2009	
	EOS Science Plan: Executive Summary	http://eosps0.gsfc.nasa.gov/science_plan/index.php	Earth Science	Students, College/University Instructors, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	1999	
	EOSDIS DAACs	http://nasadaacs.eos.nasa.gov	Earth Science	Postsecondary Students, Teachers (Precollege), College/University Instructors	Web Site	Broad Distribution	1997	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	EOSDIS Data Sampler #1: Western U.S. Wildfires 2000, Version 2	http://ivanova.gsfc.nasa.gov/outreach/EOSDIS_CD_01_v2/start.htm	Earth Science	This CD-ROM is intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. After working with the text and images on the CD-ROM, and with the data files, it is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest.	CD ROM	Limited Audience - advanced undergraduate and graduate education	2003	
	EOSDIS Data Sampler #2: Mount Oyama Volcanic Eruptions 2000, Version 1	http://http://ivanova.gsfc.nasa.gov/outreach/EOSDIS_CD-02/start.htm	Earth Science	This CD-ROM is intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. After working with the text and images on the CD-ROM, and with the data files, it is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest.	CD ROM	Limited audience - advanced undergraduate and graduate education. Distribute with other EOSDIS education materials.	2003	
	EOSDIS Global Portrait		Earth Science	Postsecondary Students, Teachers (Precollege), College/University Instructors		Teacher Workshops	1999	
	EOSDIS: From Photons to Tools for Farming, Water Resources.... EPOXI Mission: Comet on a Stick	http://epoxi.umd.edu/5education/index.shtml	Earth Science Planetary Science	Students, Teachers (Precollege) Teachers, Students Grades 3-5 and up to 9, Informal audiences ages 4-16, adults and general public	Worksheet or Poster Website and PDF document	Limited Distribution/Audience Recommended	1999 Resubmitted May 2009	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	ESSEA Online Courses: 5-8 Earth System Science Course	http://www2.cet.edu/ete/5-8/main.html	Earth Science	Adult Education Students, Teachers - Middle School (Grades 6-8), Undergraduate upper division (Last 2 years), Graduate or professional	Web Site	Broad Distribution and Teacher Workshops	1998	
	ESSEA Online Courses: 9-12 Earth System Science Course	http://www2.cet.edu/ete/hil912/main.html	Earth Science	Adult Education Students, Teachers High School (Grades 9-12), Undergraduate upper division (Last 2 years), Graduate or professional	Web Site	Broad Distribution and Teacher Workshops	1999	
	ESSEA Online Courses: K-4 Earth System Science Course	http://www2.cet.edu/ete/hilk4/main.html	Earth Science	Adult Education Students, Teachers - Primary Elementary (K-2), Teachers - Intermediate Elementary (Grade 3-5), Graduate-Professional, Undergraduate Upper Division (Last 2 years), Graduate or professional	Web Site	Broad Distribution and Teacher Workshops	1998	
	Europa, Jupiter's Icy Moon		SSE	Grades 5-9	Poster	Broad Distribution, Revise Next Printing	2001	
	Event-Based Science: Remote-Sensing Activities	http://www.mcps.k12.md.us/departments/eventscience/rs.index.html	Earth Science	Students, Teachers, Middle school (Grades 6-8)	Web Site, Book or Booklet	Broad Distribution and Teacher Workshops	2000	
	Everyday Classroom Tools	http://hea-www.harvard.edu/ECT	Earth Science	Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8)	Web Site	Broad Distribution and Teacher Workshops	2000	
	Explore! To the Moon and Beyond Website	http://www.lpi.usra.edu/education/explore/LRO/	Planetary Science	Informal Audiences at public libraries, Ages 7-15	Website	Recommended and via Teacher Workshop	Fall 2007	
	Exploring Deep-Subsurface Life workbook and DVD	http://www.indiana.edu/~deeplife/epo_products.html http://www.indiana.edu/~deeplife	Earth Science	Grades 9-12	CD-ROM, Book, Poster, DVD	Broad Distribution	Winter 2007/2008	
	Exploring Earth from Space	http://www.nasa.gov/audience/foreducators/9-12/features/F_Lithograph_Set.html	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site, Lithograph	Broad Distribution	2000, 2002	
**	Exploring Ice in the Solar System	-	SSE	Teachers K-5 (can be used in higher grades)	CD (will become a Website when passed)	Recommended Broad Distribution and via Teacher Workshops	2006	Will make 508 compliant when passed.
	Exploring Magnetism - A Teachers' Magnetism Activity Guide for Grades 6-9	http://cse.ssl.berkeley.edu/impact/magnetism/MagGuide.htm	SEC	Teachers/Educators & Students: Grades 6-9	Teachers' Guide with Activities	Broad Distribution and Teacher Workshops	2004	
	Exploring Magnetism in Solar Flares	http://cse.ssl.berkeley.edu/impact/magnetism_guide.html	SEC	Students, Teachers, Educators Grades 6-9	Book	Broad Distribution and Teacher Workshops	2005	Resubmitted from Summer 2005 Minor Revisions, then Teacher Workshops
	Exploring Magnetism on Earth	http://cse.ssl.berkeley.edu/SegWayEd/lessons/exploring_magnetism/magnetism_on_earth/explore_mag_on_earth.pdf	Heliophysics	Grades 8-12 and Physical Science Teachers	PDF and printed teacher guides	Recommended via Teacher Workshops	Resubmitted to panel review Fall 2007	
	Exploring Meteorites Mysteries	http://curator.jsc.nasa.gov/outreach1/expmetmys/ExpmetMys.htm	SSE	Grades 5-12	Educators' Guide	Workshop Distribution, Revise Next Printing	2001	

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	Exploring Regional Differences in Climate Change (Chapter from the Earth Exploration Toolbook - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	Middle School (Grades 7-8), High school (Grades 9-12), Undergraduate (Grades 13-16)	Web Site	Broad Distribution	2004	Earth Exploration Toolbook
	Exploring the Environment	http://www.cotf.edu/ete/	Earth Science	Students, Teachers (Precollege), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution and Teacher Workshops	1998	
	Exploring the Moon	http://teacherlink.ed.usu.edu/tlnasa/units/ExploringtheMoon/Part01.pdf	SSE	Grades 5-12	Educators' Guide	Broad Distribution and Teacher Workshops, Revise Next Printing	2001	
	Exploring the Sun	n/a	Heliophysics	Students, Teachers Grades 7-11, Informal Audiences Ages 13-15, Museums	Worksheet/Poster	Recommended, revisions next update.	Winter 2007/2008	
	Exploring Wetlands with Satellite Sensing and Exploring Remote Sensing	http://baby.indstate.edu/gerstt/index.html	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Teacher Workshops	2001	
	Extra Credit Problems in Space Science (see also: Mathematics in Space Science II and III)	http://image.gsfc.nasa.gov/poetry/weekly/Year2005.pdf http://spacemath.gsfc.nasa.gov/books.html	SEC	Students, Teachers (Grades 7-9)	PDF, Website	Broad Distribution	2005	Resubmitted and approved Summer 2005
	Fermi Race Card Game (formerly GLAST Race Card Game)	http://fermi.sonoma.edu/teachers/race.html	Astrophysics	Informal Audiences, Ages 7 and up.	Book, cards and playing mat (printed)	Recommended	Resubmitted May 2009	
	Finding Impact Craters with Landsat	http://landsat.gsfc.nasa.gov/education/crater/	Earth Science	Students, Middle school (Grades 6-8)	Web Site	Broad Distribution	2002	
	First Image of the Global Biosphere	http://spacelink.nasa.gov/products/First.Image.of.the.Global.Biosphere/ -- NOTE: no longer available at this URL try http://www.nasa.gov/education/materials try http://www.nasa.gov/education/materials	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1995	
	Four of the States of Matter (formerly the Four States of Matter)	http://ibexwtst.space.swri.edu/planetaria/index.shtml	Heliophysics	Informal educators to use with a general audience of museum visitors (IBEX planetarium show)	Activity Guide (PDF and handout)	Broad Distribution	Winter 2007/2008	
	Fragile Earth	http://catalog.core.nasa.gov/core.nsf/item/100.0-26 ,	Earth Science	Middle school (Grades 6-8), High school (Grades 9-12)	Slides 35mm	Broad Distribution	2002	
	From a Distance: An Introduction to Remote Sensing/GIS/GPS	http://education.ssc.nasa.gov/ltp/	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution and Teacher Workshops	1999	
	From the Top of the World...to the Bottom of the Food Web	http://catalog.core.nasa.gov/core.nsf/item/300.1-25P ,	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Worksheet or Poster, Web Site	Broad Distribution	2001	
	Full Earth	http://catalog.core.nasa.gov/core.nsf/5f9c4a5adae3d29e8625670d004edb64/fb79766bc397de638625671d007327cc?OpenDocument	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Slides 35mm	CORE Distribution -- This resource has value in that it provides historical perspective: images taken from four different Apollo and ATS missions (1968-1985). Catalog description should reflect that.	2002	

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	Galaxy Trading Cards	http://amazing-space.stsci.edu/capture/galaxies/preview-tcards.php.p=Capture+the+cosmos@,capture,%3EGalaxies@,capture,qalaxies	ASO	Students, Teachers (Grades 4-6)	Card set	Recommended, Revisions next printing/update	2005	
	Gamma-ray Burst Educator Guide		SEU	Teachers (Grades 9-12)	Book, Educators Guide	Recommended via Teacher Workshops	2005	
	Gamma-Ray Burst Wallsheet (Angling for Gamma-ray Bursts)	http://swift.sonoma.edu/education/	Astrophysics	Teachers, Students Grades 9-12	Wallsheet, PDF, and Website	Broad Distribution	Resubmitted Spring 2007	
	Gamma-ray Large Area Space Telescope (GLAST) Paper Model	http://glast.sonoma.edu/teachers/papermodel/gmodel0307.pdf	Astrophysics	General Public and Informal audiences	Brochure/pamphlet	Recommended, Limited Audience (GLAST presentations) with revisions next update	Summer 2007	
	GEMS: The Invisible Universe from Radio Waves to Gamma-rays	http://www.lhsgems.org/1Utour.html	Astrophysics	Grades Level 6-8	Soft Cover Book (Website for activity 4)	Recommended with revisions next update	Summer 2007	
	Genesis in Education	http://www.genesismission.org/educate/scimodule/topics.html	SEC	K-12	CD-ROM	Broad Distribution and Teacher Workshops	2001	
	Genesis Mission Cleanroom Electronic Field Trip	http://www.genesismission.org/product/cleanroomtrilogy.html	SSE	All	WWW site	Limited Distribution	2002	
	Geologists' Tools in Space EOSDIS Data Distinguish Geologic features	http://ivanova.gsfc.nasa.gov/outreach/posters.html	Earth Science	This poster and handout are intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. It is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest.		Limited audience - advanced undergraduate and graduate education. Distribute with other EOSDIS education materials.	2003	
	GeoMedia	Produced by InterMedia in conjunction with USGS - http://www.in-media.com/	Earth Science	Students, Teachers (Precollege)	CD ROM	Limited Distribution	1998	
	Geomorphology From Space: A Global Overview of Regional Landforms	http://daac.gsfc.nasa.gov/DAAC_DOCS/geomorphology/GEO_HOME_PAGE.html	Earth Science	Postsecondary Students, Teachers (Precollege), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	CD ROM, Web Site	Broad Distribution	1997	
	Getting Dirty on Mars (Student Guide and Teacher Guide)	http://marsed.asu.edu/ http://marsed.asu.edu/activities.php	Planetary Science	Students, Teachers Grades 5-12	Book	Recommended, Revisions next update	Winter 2006/07	
	Getting to Know Our Ocean Planet from Space	JPL Brochure	Earth Science	Students, Teachers (Precollege), Industry, Informal Education	Brochure or Pamphlet	Broad Distribution	1997, 2000	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Glacier Bay, Alaska, From the Ground, Air and Space	http://catalog.core.nasa.gov/core.nsf/item/002.1-16V,	Earth Science	Students, Teachers (Precollege), Middle school (Grades 6-8), High school (Grades 9-12), General public, Informal education	VHS videotape, Web Site	Broad Distribution	1997	
	Glacier Power	http://catalog.core.nasa.gov/core.nsf/item/400.1-17	Earth Science	Students, Teachers (Precollege), Middle school (Grades 6-8)	CD ROM	Teacher Workshops	1997	
	GLAST Large Area Telescope Simulator	http://www2.slac.stanford.edu/vvc/glastlat/lat_simulator.html	Astrophysics	Students/Teachers Grades 11-14, Informal Ages 16-18	Website + application	Recommended, Revisions next Update (and limited audience= classes on gamma ray astronomy)	Winter 2006/07	
	GLAST Launch Factsheet	http://glast.sonoma.edu/images/Gfactsheet08.pdf	Astrophysics	Informal Audiences (General Public)	Factsheet (PDF)	Recommended, revisions next update	Spring 2008	
	GLAST Launch Lithograph	http://glast.sonoma.edu/images/Glitho07d.pdf	Astrophysics	Informal Audiences (General Public)	Lithograph & PDF	Recommended, revisions next update	Spring 2008	
	GLAST Public Brochure	http://glast.sonoma.edu/resources/brochure/glastbroch04.pdf	SEU	Teachers & Students: Grades 9-12; General Public	Brochure	Limited Distribution	2004	
	Global Change Master Directory	GSFC Brochure	Earth Science	Students, Teachers (Precollege), College/University Instructors, Informal Education	Brochure or Pamphlet	Limited Distribution/Audience: Applications Community	2000	
	Global Change Media Directory	http://eosps0.gsfc.nasa.gov/ftp_docs/2001_media_directory.pdf	Earth Science	College/University Instructors, Web Users Multiple Media Professionals, Graduate or professional, Informal education	Web Site	Broad Distribution	2001	
	Global Climate Change Bookmark	Link pending 508 compliance.	Earth Science	Middle School to High School Teachers and Informal Educators	Bookmark (possible PDF)	Broad Distribution	Interim Review Spring 2009	
	Global Systems Science: A New World View	http://www.lhs.berkeley.edu/GSS/	Earth Science	Students, Teachers, High school (Grades 9-12)	Book or Booklet, Web Site	Broad Distribution	1997	
	Global Systems Science: Changing Climate	http://www.lhs.berkeley.edu/GSS/	Earth Science	Students, Teachers, High school (Grades 9-12)	Book or Booklet, Web Site	Broad Distribution	1997	
	Global Systems Science: Energy Flow	http://www.lhs.berkeley.edu/GSS/	Earth Science	Students, Teachers, High school (Grades 9-12)	Web Site, Book or Booklet	Broad Distribution	1997	
	Global Systems Science: Losing Biodiversity	http://www.lhs.berkeley.edu/GSS/	Earth Science	Students, Teachers, High school (Grades 9-12)	Book or Booklet, Web Site	Broad Distribution	1997	
	Global Systems Science: Teachers' Guide	http://www.lhs.berkeley.edu/GSS/	Earth Science	Teachers, High school (Grades 9-12)	Book or Booklet, Web Site	Broad Distribution	1997	
	Global Telescope Network	http://gtn.sonoma.edu	Astrophysics	Informal, Adults and Web users, and students Grades 9-16	Website	Recommended	Spring 2009	
	GLOBE 2003 Teacher's Guide: Earth System Science Chapter	http://archive.globe.gov/tctg/tgchapter.jsp?sectionId=241	Earth Science	Students, Teachers, College/University Instructors, Curriculum Developers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Approved: Hard Copy -- GLOBE Training; Online Version -- Broad Distribution	2002	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	GLOBE 2003 Teacher's Guide: Hydrology Chapter	http://archive.globe.gov/tctg/tgchapter.jsp?sectionId=143	Earth Science	Students, Teachers, College/University Instructors, Curriculum Developers , Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Hard Copy-- distribute through GLOBE training; Online version- Broad Distribution	2004	
	GLOBE 2003 Teacher's Guide: Land Cover/Biology Chapter	http://archive.globe.gov/tctg/tgchapter.jsp?sectionId=201	Earth Science	Students, Teachers, College/University Instructors, Curriculum Developers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Hard Copy-- distribute through GLOBE training; Online version- Broad Distribution	2004	
	GLOBE 2003 Teacher's Guide: Soil Chapter	http://archive.globe.gov/tctg/tgchapter.jsp?sectionId=86	Earth Science	Students, Teachers, College/University Instructors, Curriculum Developers , Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Hard Copy -- GLOBE Training; Online Version- Broad Distribution	2002	
	GLOBE Atmosphere Protocols	http://catalog.core.nasa.gov/core.nsf/5f9c4a5adae3d29e8625670d004edb64/239977093a0c93a286256c2400704607?OpenDocument&Highlight=0,globe	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	VHS videotape, Web Site	Teacher Workshops	2002	
	GLOBE Earth System Science Poster and Activity Guide	http://www.globe.gov/fsl/educornimages/poster_letter_color.jpg	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Wallsheet or Poster, Book or Booklet, Web Site	Broad Distribution	2001	
	GLOBE Hydrology Protocols	http://catalog.core.nasa.gov/core.nsf/5f9c4a5adae3d29e8625670d004edb64/239977093a0c93a286256c2400704607?OpenDocument&Highlight=0,globe,	Earth Science	Students, Teachers, College/University Instructors, Middle school (Grades 6-8), High school (Grades 9-12), Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Distribution through GLOBE Teacher Workshops and NASA CORE	2001	
	GLOBE Land Cover Protocols	http://catalog.core.nasa.gov/core.nsf/5f9c4a5adae3d29e8625670d004edb64/239977093a0c93a286256c2400704607?OpenDocument&Highlight=0,globe,	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Distribution through GLOBE Teacher Workshops and NASA CORE	2001	
	GLOBE Soil Protocols	http://catalog.core.nasa.gov/core.nsf/5f9c4a5adae3d29e8625670d004edb64/239977093a0c93a286256c2400704607?OpenDocument&Highlight=0,globe	Earth Science	Students, Teachers (Precollege), Middle school (Grades 6-8), High school (Grades 9-12), Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Distribution through GLOBE Teacher Workshops and NASA CORE	2001	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	GLOBE Teachers' Guide	http://www.globe.gov/	Earth Science	Teachers (Precollege)	Book or Booklet, Worksheet or Poster, CD ROM, Fact sheet, VHS videotape	Limited Distribution - through GLOBE teacher workshops (NOTE: Later versions of teachers guide were reviewed as individual chapters)	1998	
	GLOBE Videos: Overview, Water Transparency, and Earth as a System	http://catalog.core.nasa.gov/core.nsf/item/400.1-42	Earth Science	Teachers (Precollege), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Broad Distribution, with strong recommendation to make recommended improvements	2001	
	Globular Cluster M80 - In Search Of	http://amazing-space.stsci.edu/eds/overviews/print/lithos/m80.php.p=Teaching+tools%40%2Ceds%2Ctools%2C%3EPIctures+%2Aamp%2Aamp%3B+facts%40%2Ceds%2Ctools%2Ctype%2Cpict ures.p	Astrophysics	Grades 10-12	Lithograph	Recommended, revisions next update	Winter Review 2008/2009	
	GOES Hurricane Linda	http://www.gsfc.nasa.gov/gsfc/service/gallery/lithos/goes-linda.pdf	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Informal Education	Web Site	Broad Distribution	2001	
	Goldstone Apple Valley Radio Telescope	http://deepspace.jpl.nasa.gov/dsn/gavrt/index.html	SSE	Grades 4-12	Brochure	Broad Distribution and Teacher Workshops	2001	
	Got Calcium?	http://imagine.gsfc.nasa.gov/docs/teachers/calci um/aot_calcium_litho.pdf	Astrophysics	Students, Teachers Grades 9-12	Lithograph (and PDF)	Broad Distribution	Resubmitted April 2008	
	Got Snow?	-	Earth Science	Students, Teachers Grades 9-12	Poster	Broad Distribution	2006	
	GRACE: Gravity Recovery and Climate Experiment	http://eosps0.gsfc.nasa.gov/ftp_docs/GRACE.p df	Earth Science	Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education	Web Site	Approved for Post Secondary use. Approved as a Resource for Informal Education	2002	
	Graphing S'COOL Data: Temperature, Pressure and Humidity - MY NASA DATA Contributed Lesson 7	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 4-8	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Ground Truth Studies Teacher Handbook	To order contact Jenifer Blomquist (jenifer@agci.org), Aspen Global Change Institute, 100 East Francis, Aspen CO 81611 USA; Phone: (970) 925-7376; Fax: (970) 925-7097 http://amazing-space.stsci.edu/eds/overviews/print/lithos/neb ula-helix.php.p=Teaching+tools%40%2Ceds%2Ctools%2C%3EPIctures+%2Aamp%2Aamp%3B+facts%40%2Ceds%2Ctools%2Ctype%2Cpict ures.dhd	Earth Science	Teachers (Precollege)	Book or Booklet	Broad Distribution	1995	
	Helix Nebula, In Search Of	http://amazing-space.stsci.edu/eds/overviews/print/lithos/neb ula-helix.php.p=Teaching+tools%40%2Ceds%2Ctools%2C%3EPIctures+%2Aamp%2Aamp%3B+facts%40%2Ceds%2Ctools%2Ctype%2Cpict ures.dhd	Astrophysics	Grades 6-12	Lithograph	Recommended, revisions next update	Winter Review 2008/2009	
	HESSI Bookcover		SEC	Middle and High School	Book Cover	Broad Distribution	2002	
	HESSI Spacecraft Model Booklet	hesperia.gsfc.nasa.gov/hessi/hessi_model.pdf	SEC	Grades 6-8	Booklet	Broad Distribution	2002	
	Hinode Math	http://spacemath.gsfc.nasa.gov/SMBooks/HinodeMath1.pdf	Heliophysics	Grades 3-12 (individual problems span a smaller grade range, see the table of contents for details)	PDF Booklet	Recommended	Resubmission May 2009	
	How Astronomers Use Spectra to Learn About the Sun and Other Stars	http://serts.gsfc.nasa.gov/classroom/understa nding.shtml -- click on link for PDF file.	SEC	Grades 5-12	Book	Broad Distribution and Teacher Workshops	2001	

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	How can we grow smarter? Investigating Urban Sprawl and Land Cover Change in the Classroom	http://growsmart.gsfc.nasa.gov	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Teacher Workshops	2002	
	How Much Water is Available in the Atmosphere for Precipitation? MY NASA DATA Lesson 16	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=39	Earth Science	Students, Teachers Grades 7-12	Website	Broad Distribution	Resubmitted September 2008	
	Hubble Reveals Orion in Picture Perfect Glory: Star Witness News	http://amazing-space.stsci.edu/news/archive/2006/01/	Astrophysics	Upper Elementary-Middle School	Website	Broad Distribution	Resubmitted Spring 2009	
	Hubble Space Telescope Deep Field Lesson Package		ASO	Grades 6-8	Activity□Pamphlet	Workshop Distribution, Revise Next Printing	2001	
	Hubble Space Telescope: Time Machine to the Galaxies	http://amazing-space.stsci.edu/news/archive/2004/03/	Astrophysics	Grades 5-8	Web based exercise	Recommended	Winter Review 2008/2009	
	Hubble Witnesses Fireworks from Comet Collisions	http://amazing-space.stsci.edu/news/archive/2005/02/	Astrophysics	Grades 5-8	Web based exercise	Recommended	Winter Review 2008/2009	
	Hubble: A Lunar Prospecting Machine	http://amazing-space.stsci.edu/news/archive/2005/03/	Astrophysics	Grades 5-8	Web based exercise	Recommended	Winter Review 2008/2009	
	Hubble's Picture Book of the Universe	http://amazing-space.stsci.edu/news/archive/2005/01/	Astrophysics	Grades 5-8	Web based exercise	Recommended, revisions next update	Winter Review 2008/2009	
	HUDF Lithograph	http://amazing-space.stsci.edu/eds/overviews/print/lithos/hudf.php	Astrophysics	Teachers, Students Grades 10-12 and informal audiences, museums, Web users etc.	Lithograph	Recommended, revisions next update	2008 summer	
	Hurricane Andrew	http://catalog.core.nasa.gov/core.nsf/item/300.1-22P,	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Wallsheet or Poster, Web Site	Broad Distribution	2001	
	Hurricane Fran	http://rsd.gsfc.nasa.gov/rsd/images/Fran.html	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site, Lithograph	Broad Distribution	2001	
	Hurricane Katrina ESSEA Module	http://esseacourses.strategies.org/module.php?module_id=16	Earth Science	Grades 5-12 Students and Teachers	Website	Broad Distribution	Interim Review Spring 2009	
	IBEX Lenticular	Not yet released. Hardcopy.	Heliophysics/Planetary Science	General Public, museums, etc.	Lenticular	Recommended	Interim Review Summer 2009	
	IBEX: An electronic resource for museum educators	http://ibexwtst.space.swri.edu/planetaria/index.shtml http://vela.adlerplanetarium.org:16080/temp/ibex/Carolyn/	Heliophysics	Museum Educators	PPT (zipped) document and PDF document	Broad Distribution	Resubmitted Fall 2008	
	IBEX: Exploring the Edge of the Solar System	http://ibexwtst.space.swri.edu/planetaria/MissionPosterFront.pdf http://ibexwtst.space.swri.edu/planetaria/MissionPosterBack.pdf	Heliophysics	General Public	Poster	Recommended, revisions next update	Spring 2008	
	IBEX: Exploring the Heliosphere poster	http://ibexwtst.space.swri.edu/planetaria/IBEX-NASA-poster.pdf http://ibexwtst.space.swri.edu/planetaria/IBEX-NASA-poster-sheets.pdf	Heliophysics	General Public	Poster	Recommended, revisions next update	Spring 2008	
	IBEX: Heliosphere tactile	http://ibexwtst.space.swri.edu/planetaria/index.shtml http://vela.adlerplanetarium.org:16080/temp/ibex/Carolyn/	Heliophysics	Visually Impaired General Public	Tactile	Broad Distribution	Resubmitted Fall 2008	

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	IBEX: Particle Detection Activity	http://ibexwtst.space.swri.edu/planetaria/Particle Detection.pdf http://vela.adlerplanetarium.org:16080/temp/ibex/Carolyn/	Heliophysics	General Museum Participant	PDF Document	Broad Distribution	Resubmitted Fall 2008	
	IBEX: Spacecraft tactile	http://ibexwtst.space.swri.edu/planetaria/index.shtml http://vela.adlerplanetarium.org:16080/temp/ibex/Carolyn/	Heliophysics	Visually Impaired General Public	Tactile	Broad Distribution	Resubmitted Fall 2008	
	IBEX: The Heliosphere	http://ibexwtst.space.swri.edu/planetaria/IBEX_lithograph.pdf http://vela.adlerplanetarium.org:16080/temp/ibex/Carolyn/	Heliophysics	General Public	Lithograph	Broad Distribution	Resubmitted Fall 2008	
	ICE (part of EOS Science Poster Series AIR, ICE, LAND, WATER)	http://eospsa.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/ICE/ICE_POST_front.jpg ; http://eospsa.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/index.php	Earth Science	Students, Teachers, College/University Instructors, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal Education	Worksheet or Poster, Web Site	Approved for Broad Distribution for Formal Education (Middle School - Post Secondary) Needs Revisions for Informal Education	2002	
	ICESat: Ice, Cloud, and land Elevation Satellite	http://icesat.gsfc.nasa.gov/ICESat_Brochure.pdf	Earth Science	Informal Education, Undergraduate upper division (Last 2 years), Graduate or professional, Informal education, Undergraduate lower division (First 2 years)	Web Site	Broad Distribution	2003	
	Image Scale Math	http://spacemath.gsfc.nasa.gov/SMBooks/ScalingBookV2.pdf	Heliophysics	Grades 3-12 (individual problems span a smaller grade range, see the table of contents for details)	PDF Booklet	Recommended	Resubmission May 2009	
**	IMAGE-Exploring the Earth's Magnetic Field An Image Satellite Guide	http://spacemath.gsfc.nasa.gov/NASADocs/magbook2002.pdf	Heliophysics	Grades 9-12	PDF File	Recommended	Resubmitted Winter 2008/09	
	IMAGERS: The Adventure of Echo the Bat	http://imagers.gsfc.nasa.gov/echohome.html	Earth Science	Students, Teachers, Middle school (Grades 6-8)	Web Site	Teacher Workshops	1998	
**	IMAGE-Solar Storms and You! Exploring Satellite Design	http://spacemath.gsfc.nasa.gov/NASADocs/nasa5.pdf	Heliophysics	Grades 7-9	PDF File	Recommended	Resubmitted Winter 2008/09	
**	IMAGE-Solar Storms and You! Exploring the Wind from the Sun	http://spacemath.gsfc.nasa.gov/NASADocs/nasa2.pdf	Heliophysics	Grades 7-9	PDF File	Recommended	Resubmitted Winter 2008/09	
	Imagine the Universe! CD-ROM (6th Edition) Impact Earth	http://imagine.gsfc.nasa.gov/cgi-bin/pre_order.pl http://www.spaceupdate.com%20/?planetarium_shows#impact_earth http://www.spaceupdate.com%20/?order http://www.e-planetarium.com/shows.htm http://lws-edu.gsfc.nasa.gov/teachers_corner/activities/in_a_different_light/in_different_light.html	SEU	All	CD-ROM	Broad Distribution	2002	
	In a Different Light	http://lws-edu.gsfc.nasa.gov/teachers_corner/activities/in_a_different_light/in_different_light.html	SEC	Grades 6-12	PDF WWW site	Broad Distribution and Teacher Workshops	2003	
	In the News Activity	http://sunearthday.nasa.gov/inthenews/	Heliophysics	Middle School/High School	PDF File	Broad Distribution	Aug-07	Interim Review in office - content largely consists of links approved NASA articles

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	Infrared Astronomy: More Than Your Eyes Can See (Lithograph) -- AKA Infrared View of Orion	http://coolcosmos.ipac.caltech.edu/resources/paper_products/print_publication_pdf/orion_litho.pdf	ASO	Grades 7-12	Lithograph	Broad Distribution, Revise Next Printing	2001	
	Infrared Astronomy: More Than Your Eyes Can See (Video)	http://coolcosmos.ipac.caltech.edu/videos/more_than_your/index.html	ASO OR order from NASA CORE:	All	Video	Broad Distribution	2001	
	Infrared Universe Poster	http://coolcosmos.ipac.caltech.edu/resources/paper_products/	ASO	Grades 7-12	Poster	Broad Distribution	2001	
	Interacting Galaxies Arp 147 lithograph and In Search Of...Peculiar Galaxies classroom activity	http://amazing-space.stsci.edu/capture/galaxies/preview-arp147.php	Astrophysics	Students, Teachers Grades 11-12	Lithograph	Recommended	Spring 2009	
	Interactive NOVA: Earth		Earth Science	Students, Teachers (Precollege)	Interactive Videodisk	Broad Distribution	1995	
	Into the Arctic: Information and Educational Activities for Studying Climate	http://arcss.colorado.edu/data/arcss069.html	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years)	CD ROM	Broad Distribution	2000	
	Investigating Earthquakes - GIS Mapping and Analysis (Chapter from the Earth Exploration Toolbook - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	Middle school (Grades 8), High school (Grades 9-12), Undergraduate (Grades 13-16)	Web Site	Broad Distribution	2004	Earth Exploration Toolbook
	Investigating the Climate System: NASA's Tropical Rainfall Measuring Mission	http://www.strategies.org/TRMM.html	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Teacher Workshops	2003	
	Investigating the Precipitation Streamflow Relationships (Chapter from the Earth Exploration Toolbook - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	High school (Grades 9-12)	Web Site	Broad Distribution	2004	Earth Exploration Toolbook
	Invisible Collisions	Link to be supplied in the next few months (May 2009).	Planetary Science				Winter Review 2008/2009	
	It's a Rainy, Rainy Day (Primarily GLOBE)	http://www.globe.fsu.edu/index.htm	Earth Science	Students (elementary), Teachers (elementary), School Librarians and Parents	Book or Booklet, Brochure or Pamphlet	Broad Distribution-Book; Minor Revisions-Activities	2002	
	Jason: An Ocean Odyssey	http://catalog.core.nasa.gov/core.nsf/item/002.2-23v	Earth Science	Students, Teachers, High school (Grades 9-12), Middle school (Grades 6-8)	VHS videotape	Broad Distribution through NASA CORE	2000	
	JASON: Expedition: Mysteries of Earth and Mars	www.jason.org	SSE and Earth Science Education	Teachers, Students (Grades 5-8)	Website, poster, video, teachers guide, student activity book	Recommended, Revisions next printing/update	2005	
**	Journey to Mars: A 3D Exploration	http://artreachstudios.com/	SSE	Informal; standalone public, museums, ages 7-12	DVD	Recommended Revise Next Printing	2006	Will CC video when passed.
	Journeys through Earth and Space: Video and Video Resource Guide	http://catalog.core.nasa.gov/core.nsf/5f9c4a5adae3d29e8625670d004edb64/45f384910015d93b86256d90004f9b6f?OpenDocument&Highlight=0.Journeys	Earth Science	Students, Teachers, Curriculum Developers, High school (Grades 9-12)	VHS videotape, Book or Booklet, Web Site	Broad Distribution	2003	
**	Jupiter's Red Spot, Jr.	http://amazing-space.stsci.edu/eds/overviews/print/lithos/jupiter.php	Planetary Science	Students, Teachers grades 9-12, and General Public	Lithograph	Recommended, Revisions next update	Winter 2006/07	
	Keeping Nine Eyes on the Weather	http://spaceplace.nasa.gov/teachers/misr.pdf	Earth Science	Students, Teachers, Middle school (Grades 6-8)	Web Site	Broad Distribution	2002	
	Kepler Mission Fact Sheet	www.kepler.arc.nasa.gov/pdf_files/Factsheet.pdf	Astrophysics	Grades 8-12	Lithograph	Broad Distribution	Resubmitted 2006/07	
	Kepler Mission Star Field Lithograph	http://kepler.nasa.gov/ed/	Astrophysics	Students, Teachers Grades 8-12, Informal Audiences Ages 13-18	Lithograph	Broad Distribution	2007	Interim Review Spring 2007

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	LAND (part of EOS Science Poster Series AIR, ICE, LAND, WATER)	http://eospsso.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/LAND/LAND_POS_frontend.jpg ; http://eospsso.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/index.php	Earth Science	Students, Teachers, College/University Instructors, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal Education	Worksheet or Poster, Web Site	Approved for Broad Distribution for Formal Education (Middle School - Post Secondary) Needs Revisions for Informal Education	2002	
	Landsat 7 - New York City Lithograph: Amelia's Adventures in New York City	http://imagers.gsfc.nasa.gov/amelia/nyclitho	Earth Science	Students, Teachers, Children/Youth , Primary Elementary (K-2), Intermediate Elementary (Grade 3-5)	Web Site	Broad Distribution	2002	
	Landsat 7 Data Sets: LAND files for use with MultiSpec	http://landsat.gsfc.nasa.gov/education/l7downloads/index.html		1 Teachers (Precollege), College/University Instructors, Curriculum Developers, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years)	Web Site	Limited Audience/Teacher Workshops	2002	
	Lasers Learning with Light		Earth Science	Students, Teachers (Precollege)	VHS videotape (Interactive videoconference)	Broad Distribution	1995	
	Life on Earth...and Elsewhere? Astrobiology in Your Classroom	http://nai.arc.nasa.gov/library/downloads/ERG.PDF	ASO	Grades 5-10	Educators' Guide	Workshop Distribution, Revise Next Printing	2001	
	Liftoff to Learning: Geography From Space	http://catalog.core.nasa.gov/core.nsf/item/008.0-09V	Earth Science	Students, Teachers (Precollege), Middle school (Grades 6-8), Intermediate elementary (Grade 3-5)	VHS videotape	CORE Distribution	2002	
	Liftoff to Learning: The Atmosphere Below	http://quest.nasa.gov/space/teachers/liftoff/atmos.html	Earth Science	Students, Teachers (Precollege)	VHS videotape	Broad Distribution	1995	
	Linkages between Surface Temperature and Tropospheric Ozone - MY NASA DATA Contributed Lesson 10	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 9-12	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Looking at Earth from Space		Earth Science	Teachers (Precollege)	Brochure or Pamphlet	Limited Distribution	1995	
	Looking at Earth from Space: Direct Readout From Environmental Satellites--A Guide to Equipment and Vendors		Earth Science	Teachers (Precollege)	Brochure or Pamphlet	Limited Distribution	1995	
	Looking At Earth From Space: Glossary of Terms		Earth Science	Students, Teachers (Precollege)	Book or Booklet	Broad Distribution	1995	
	Looking at Earth from Space: Teachers' Guide with Activities for Earth and Space Science	http://www.strategies.org/Looking.html	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years)	Book or Booklet, Web Site	Teacher Workshops	1995	

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	Low Water in Lake Meade	http://eosps0.gsfc.nasa.gov/ftp_docs/lithographs/Lake_Mead_Lith.pdf	Earth Science	High school (Grades 9-12), Undergraduate lower division (First 2 years), Informal education, General public	Web Site	Broad Distribution	2003	
	Lunar Challenge	http://www.challenger.org/pacct/Learning/index.html	SSE	Students, Parents Grades 4-8	Book, Video	Broad Distribution	2004	Lunar Challenge was revised, re-submitted, reviewed and approved by JPL. While JPL recommended it, they also recommended that the content would be most relevant to manned exploration.
	Lunar Math	http://spacemath.gsfc.nasa.gov/SMBooks/LunarMathV2.pdf	Heliophysics	Grades 4-12 (individual problems span a smaller grade range, see the table of contents for details)	PDF Booklet	Recommended	Resubmission May 2009	
	Lunar Module Outline "Living and Working Safely on the Moon"	http://son.nasa.gov	Planetary Science	Formal Education Grades 5-12	Website/PDF Files	Broad Distribution	Submitted and Resubmitted Winter 2006	
	M101: A Star Studded Galaxy	http://amazing-space.stsci.edu/eds/tools/type/pictures.php?Teaching%2Btools%40%2Ceds%2Ctools%2C http://amazing-space.stsci.edu/eds/overviews/print/lithos/m101.php	ASO	Formal, Teachers, Students Grades 6-12, Informal audiences, public, web users, museums etc.	Lithograph	Broad Distribution - Revisions on Next Edition/Printing	2006	
	M82: The Case of an Odd Looking Galaxy Lithograph	none	Astrophysics	Students, Teachers Grades 10-14, Informal Audiences: Web Users, General Public	Lithograph	Recommended for Broad Distribution	Summer 2007	
	Magnetic Globe Lithograph	http://xmm.sonoma.edu/edu/supernova/Eglobeactiltho.pdf	Astrophysics	Students, Teachers Grades 9-12	Lithograph	Recommended, Revisions next update and via Teacher Workshops	Winter 2006/07	
	Magnetic Storms Poster	Not yet released.	Heliophysics	Students, Teachers Grades 7-10	Poster/PDF	Recommended	Interim Review Summer 2009	
	Making Sun-Earth Connections: Version 2	http://sunearth.gsfc.nasa.gov/sunearthday/kcdrom.htm	SEC	K-12	CD-ROM	Broad Distribution and Workshop	2002	
	Making Tracks on Mars	http://www.nmnaturalhistory.org/	Planetary Science	Students/Teachers Grades 3-9, Informal Ages 4-9	CDROM and Website	Recommended, Revisions next Update	Fall 2006	
	Manual for Afterschool Universe	http://universe.nasa.gov/afterschool/	Astrophysics	Informal audiences, museums, etc. Grades 6-9	PDF/Booklet and Website	Recommended	Resubmission Summer 2009	
	Mapping Magnetic Influence	http://son.nasa.gov/pdf/Mapping_Magnetic_Influence.pdf	SEC	Grades 6-9	PDF	Broad Distribution as part of SON Teacher Workshops	2003	
	Mapping the Surface of a Planet - Teacher Guide and Student Guide	http://msip.asu.edu	SSE	Grades 5-12	PDF WWW site		2002	
	Mapping the Watery Hills and Dales	http://spaceplace.nasa.gov/teachers/jason_gps.pdf	Earth Science	Students, Teachers, Middle school (Grades 6-8)	Web Site	Broad Distribution	2002	
	Mars 2003: Closest Approach Lithograph	http://amazing-space.stsci.edu/eds/overviews/print/lithos/mars2003.php?Teaching+tools@,eds,tools,%3ESolar+system@,eds,tools,topic,solarsystem.php	ASO	Students, Teachers (Grades 6-8)	Lithograph	Recommended, Revisions next printing/update	2005	
	Mars and Earth: Science Learning Activities for After School	-	SSE	Informal after school Guide for ages 5-12	Book	Recommended Revise Next Printing	2006	
	Mars Classroom Activities and Resources	http://marsprogram.jpl.nasa.gov/classroom/pdfs/MSIP-MarsActivities.pdf	SSE	All	CD-ROM	Broad Distribution	2001	

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	Mars Image Analysis	http://marsed.asu.edu/activities.php - scroll down to Mars Image Analysis Activity Lesson Plan	SSE	Teachers & Students: Grades 5-12	5-page activity plus 26 THEMIS images available in PDF or large-scale printed format	Broad Distribution and Workshop	2004	
	Mars Student Imaging Project Curriculum	http://msip.asu.edu	SSE	Grades 5-12	PDF, CD-ROM, Website	Teacher Workshops	2002	
	MarsBots: Robotic Learning Module	http://phoenix.lpl.arizona.edu/educators/robotics.php	SSE	Students Grades 3-5	Book, Video, PowerPoint presentation	Broad Distribution	2006	Resubmitted Summer 2006
	Marsbound! Mission to the Red Planet	http://marsbound.asu.edu/	SSE	Teachers & Students: Grades 4-12, college-adult.	Collectible card game format with five supporting activities.	Broad Distribution and Workshop, with revisions on next printing	2004	
	Marsby and the Martian Detectives	http://www.images-press.com	SSE	Formal Audiences Grades 2-5, and Informal Audiences Ages 7-12	CD-ROM and Book	Recommended	2006	Resubmitted Summer 2006
	Math of the Great Dismal Swamp	http://nia.ecsu.edu/nrts/ess/mds/mds.html	Earth Science	Students, Middle school (Grades 6-8)	Web Site	Broad Distribution	2002	
	Mathematics in Space Science II	http://spacemath.gsfc.nasa.gov/SMBooks/SMBook2.pdf http://spacemath.gsfc.nasa.gov/books.html	Heliophysics		Book/PDF	Broad Distribution	Resubmitted Summer 2008	
	Mathematics in Space Science III	http://spacemath.gsfc.nasa.gov/SMBooks/SMBook3.pdf http://spacemath.gsfc.nasa.gov/books.html	Heliophysics		Book/PDF	Broad Distribution	Resubmitted Summer 2008	
	Measurements of Pollution in the Troposphere: MOPITT	http://eosps0.gsfc.nasa.gov/ftp_docs/MOPITT%20broch.pdf	Earth Science	Students, College/University Instructors, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional	Web Site	Broad Distribution	2001	
	Measuring Distance and Area in Satellite Images (Chapter from the Earth Exploration Toolkit - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate (Grades 13-16)	Web Site	Broad Distribution	2004	Earth Exploration Toolkit
	Measuring Marine Winds	JPL Brochure	Earth Science	Professional, Postsecondary	Brochure or Pamphlet	Limited Distribution/Audience: Applications Community	1997	
	Measuring the Sun's Energy: ACRIMSAT		Earth Science	Students, Teachers, College/University Instructors, Informal Education	Bookmark	Broad Distribution	2000	
	MESSENGER Education Module: Staying Cool	http://btc.montana.edu/ceres/MESSENGER/ME MS_SciProc.htm#Cool	SSE	Teachers: K-12; units are provided for K-2, 3-4, 5-8, and 9-12	Educators' Guide with activities -- available as PDF files on the WWW and on CD.	Broad Distribution and Teacher Workshop	2004	
	Meteorology: An Educator's Resource for Inquiry-Based Learning for Grades 5-9	http://www.nasa.gov/centers/langley/pdf/220485main_Meteorology%20Teacher%20Resource%20508%20rev.pdf	Earth Science	Grades 5-9	Book	Broad Distribution	Winter 2007/2008 Resubmission	
	Metropolitan East Coast Assessment Educators Pack	http://metroeast_climate.ciesin.columbia.edu/edumod.html	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Teacher Workshops	2001	
	Microbial Life Educational Resources	http://serc.carleton.edu/microbelife/	ASO	Teachers (Grades 9-12)	Website	Recommended, Revisions next printing/update	2005	

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	Mission Geography	http://missiongeography.org	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Broad Distribution and Teacher Workshops	2001	
	MODIS: Moderate Resolution Imaging Spectrometer	http://eosps0.gsfc.nasa.gov/ftp_docs/MODIS.pdf	Earth Science	Postsecondary Students, College/University Instructors, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education	Web Site	Approved for Post Secondary Audience, Approved as an Educational Resource for Informal Educators.	2002	
	More Universe at Your Fingertips Astronomy Activities and Resources	http://128.241.173.3/education/astro/astropubs/moreuniverse.html	ASO, SSE, SEU, SEC	Grades 3-12	Book	Limited Distribution: Teachers who attend in-depth Project ASTRO training. For more broad distribution, would need revisions/additional information.	2003	
	Mount Oyama Erupts!	http://ivanova.gsfc.nasa.gov/outreach/posters.html	Earth Science	This poster and handout are intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. It is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest.		Limited Distribution/Audience - advanced undergraduate and graduate education. Distribute with other EOSDIS education materials.	2003	
	Multi-Sensor Fire Observations DVD	http://eos.nasa.gov/outreach/firedvd/index.html http://svs.gsfc.nasa.gov/vis/a000000/a002800/a002853/index.html	Earth Science	Students, College/University Instructors Undergraduate Upper Division (last two grades), graduate-professional. Better in formal education setting	DVD	Recommended, revisions next edition/update	2006	
	Multiwavelength Milky Way Poster		SEU	Grades 7-12	Poster	Broad Distribution	2001	
	MY NASA DATA brochure	http://mynasadata.larc.nasa.gov/index.html	Earth Science	Teachers Grades 6-12	Brochure	Broad Distribution	Resubmitted 2006/07	

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	MY NASA DATA contributed lesson 17, Analysis of Atmospheric Conditions for a High Mountain Retreat	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Grades 7-12	Website	Recommended, Revisions next Update	Winter 2006/07	
	MY NASA DATA contributed lesson 18, Does Cloud Type Affect Rainfall?	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Grades 7-12	Website	Recommended, Revisions next Update	Winter 2006/07	
	MY NASA DATA contributed lesson 22, Sea Surface Temperature Trends of the Gulf Stream	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Grades 6-12	Website	Recommended, Revisions next Update	Winter 2006/07	
	MY NASA DATA contributed lesson 23, Coral Bleaching in the Caribbean	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Grades 5-12	Website	Recommended, Revisions next Update	Winter 2006/07	
	MY NASA Data Flyer	http://mynasadata.larc.nasa.gov/index.html	Earth Science	Teachers Grades K-12	Brochure or Pamphlet	Recommended Broad Distribution	2006	Resubmitted Spring/Summer 2006
	My NASA DATA Lesson 19 A Comparison of Land and Water Temperature	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=36	Earth Science	Students, Teachers Grades 7-12	Website	Broad Distribution	Resubmitted September 2008	
	MY NASA DATA Lesson 21: Surface Air Temperature Trends of the Caribbean	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=53	Earth Science	Grades 6-12	Website, PDF	Broad Distribution	Resubmitted Fall 2008	
	MY NASA DATA Lesson G Validation of Stratospheric Ozone	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Grades 9-12	Website	Recommended, Revisions next Update	Resubmitted Winter 2006	
	MY NASA DATA lesson plan: Team Lesson I: El Niño Lesson	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=57	Earth Science	Grades 6-12	Website	Recommended	Fall 2008	
	My NASA Data Lesson Plans See individual Lesson Plans	http://mynasadata.larc.nasa.gov	Earth Science	Students, Teachers Grades 6-12	Web site; PDF Files	Broad Distribution	2005	resubmitted 2005/06
	MY NASA Data Lesson: A Comparison of Cloud Coverage over Africa	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 8-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	MY NASA Data Lesson: Circle the Earth - Explore Surface Types on a Journey around Earth	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 4-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	MY NASA Data Lesson: Earth's Energy Budget - Seasonal Cycles in Net Radiative Flux	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 9-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	MY NASA Data Lesson: Seasons and Cloud Cover: Are They Related?	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 6-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	MY NASA Data Lesson: State of the Atmosphere: Interpreting Weather Observations	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 7-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	MY NASA Data Lesson: Storm Clouds-- Fly over a Late Winter Storm onboard a NASA Earth Observing Satellite	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 6-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	MY NASA Data Lesson: Using Imported Data in Excel: Plot Atmospheric Temperature	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Teachers, Students Grades 9-12, and Informal	Website, PDF	Recommended Broad Distribution	2006	Added as an individual entry Summer 2006
	My NASA Data Website	http://mynasadata.larc.nasa.gov	Earth Science	Students, Teachers Grades 6-12	Web site	Broad Distribution	2005	resubmitted 2005/06
	MY NASA DATA: Contributed Lesson Plan 27: Investigating Seasonal Variability in NO2 Concentrations	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=59	Earth Science	Grades 8-10	Website	Recommended	Fall 2008	

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	MY NASA DATA: Contributed Lesson Plan 35: Studying Snow and Ice Changes	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=69	Earth Science	Grades 9-12	Website	Recommended, revisions next update	Fall 2008	
	MY NASA DATA: Contributed Lesson Plan 41: Investigating Factors that Influence Climate	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=76	Earth Science	Grades 9-12	Website	Recommended, revisions next update	Fall 2008	
	MY NASA DATA: Contributed Lesson Plan 54: 1492: Using Data to Explain a Journey	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=91	Earth Science	Grades 6-8	Website	Recommended	Fall 2008	
	MY NASA DATA: Hurricanes As Heat Engines Lesson	http://mynasadata.larc.nasa.gov/Hurricane_Heat_Engine.html	Earth Science	Students, Teachers Grades 6-12	Website	Broad Distribution	Resubmitted March 2008	
	MY NASA DATA: Lesson 20: Using Radiosonde Data From a Weather Balloon Launch	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=34	Earth Science	Grades 7-12	Web Site Lesson	Broad Distribution	Resubmission June 2008	
	Mystery of the Missing Hummingbird - A GLOBE Activity	http://www.globe.gov/elementaryglobe/review.htm	Earth Science	Students K-4	Booklet/Website	Recommended	Summer 2006	
	NASA Aquarius Sea Surface Salinity from Space	http://aquarius.nasa.gov/education.php	Earth Science	Students, Teachers Grades 3-14	Website	Broad Distribution	Resubmission Spring 2007	
	NASA CONNECT: Data, Analysis and Measurement: Ahead, Above the Clouds	http://catalog.core.nasa.gov/core.nsf/item/002.3-08V	Earth Science	Students, Teachers, Middle school (Grades 6-8)	VHS videotape, Web Site	Broad Distribution and Teacher Workshops	2001	
	NASA CONNECT: Dancing in the Night Sky	http://connect.larc.nasa.gov/ http://dlcenter.larc.nasa.gov/	SEC	Formal Teachers Grades 6-8, Informal Ages 10-15	Website, Video (VHS & DVD)	Broad Distribution - Revisions on Next Edition/Printing	2006	
	NASA CONNECT: DATA ANALYSIS AND MEASUREMENT -- Having a Solar Blast	http://connect.larc.nasa.gov/programs/2001-2002/solar_blast.html	SEC	Grades 6-8	Video Educators' Guide	Broad Distribution	2002	
	NASA CONNECT: Path of Totality	http://connect.larc.nasa.gov/ http://dlcenter.larc.nasa.gov/	SEC	Formal Teachers Grades 6-8, Informal Ages 10-15	Website, Video (VHS & DVD)	Broad Distribution - Revisions on Next Edition/Printing	2006	
	NASA CONNECT: Venus Transit	http://connect.larc.nasa.gov/ http://dlcenter.larc.nasa.gov/	SEC	Formal Teachers Grades 6-8, Informal Ages 10-15	Website, Video (VHS & DVD)	Broad Distribution - Revisions on Next Edition/Printing	2006	
	NASA Earth Observing Science Project Science Office	http://eospsso.gsfc.nasa.gov	Earth Science	Students, Teachers, College/University Instructors	Web Site	Broad Distribution	1997	
	NASA Facts: Polar Ice	http://eospsso.gsfc.nasa.gov/ftp_docs/Polar_Ice.pdf	Earth Science	High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Needs Revisions	1995, 1999	
	NASA Facts: NASA Earth Science Enterprise Images and Video via the World Wide Web	http://eospsso.gsfc.nasa.gov/ftp_docs/Images.pdf	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	1999	
	NASA Facts: The Earth Science Enterprise Series-- Ozone: What is it, and why do we care about it?		Earth Science	Informal Education, General Public	Fact sheet	Broad Distribution	1999	

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	NASA Facts: The Earth Science Enterprise Series-- Clouds and the Energy Cycle	http://eosps0.gsfc.nasa.gov/ftp_docs/Clouds.pdf	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	1995, 1999	
	NASA Facts: The Earth Science Enterprise Series-- El Niño	http://eosps0.gsfc.nasa.gov/ftp_docs/El_Niño.pdf	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	1999	
	NASA Facts: The Earth Science Enterprise Series-- Global Warming	http://eosps0.gsfc.nasa.gov/ftp_docs/Global_Warming.pdf	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	1999	
	NASA Facts: The Earth Science Enterprise Series-- Tropical Deforestation	http://eosps0.gsfc.nasa.gov/ftp_docs/Deforestation.pdf	Earth Science	Students, Teachers, College/University Instructors, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	1999	
	NASA On the Cutting Edge: Our Water Planet from Space	http://catalog.core.nasa.gov/core.nsf/item/002.2-21V	Earth Science	Middle school (Grades 6-8), High school (Grades 9-12)	VHS videotape, Book or Booklet	Broad Distribution	2002	
	NASA Sponsored Earth & Sky Programs: 1999-2002	http://www.earthsky.org/Shows/NASA/index.html	Earth Science	Students, Teachers, Middle School (Grades 6-8), High School (Grades 9-12), General public, Informal education	Web Site, CD ROM	Broad Distribution	1999, 2000	
	NASA Student Involvement Program Teachers' Guide: Earth Systems in My Neighborhood		Earth Science	Students, Teachers (Precollege)	Book or Booklet	Broad Distribution and Teacher Workshops	1999	
**	NASA: Supporting Earth System Science 2005	http://nasadaacs.eos.nasa.gov/articles/index.html#2005 http://nsidc.org	Earth Science	Informal Science Education, outreach and postsecondary - could also include High School STEM and counselor office	Book	Recommended, revisions next edition/update	2006	
	NASA's Kids Science News Network (KSNN)	http://ksnn.larc.nasa.gov	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Informal Education	Brochure or Pamphlet, DVD, Web Site, VHS videotape	Broad Distribution	2004	
	NASAexplores: Express Lessons and Online Resources	http://www.nasaexplores.com	Earth Science	Students, Teachers, homeschoolers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	2002	

Online PDF's will need to be checked for 508 compliance

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	NASA's Earth Science Enterprise		Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Broad Distribution and Teacher Workshops	1999	
	NASA's Mission to Planet Earth: Earth Observing System		Earth Science	Students, Teachers (Precollege)	Brochure or Pamphlet	Broad Distribution	1995	
	National Geographic Atlas of the Ocean: The Deep Frontier	http://shop.nationalgeographic.com/shopping/product/detailmain.jsp?itemID=69&itemType=PRODUCT&iMainCat=114&iSubCat=202&iProductID=69	Earth Science	School Librarians, Students, Teachers, Library Professionals, Middle school (Grades 6-8), High school (Grades 9-12), Informal education, General public	Book or Booklet	Formal and Informal Education Audiences	2001	
	National Geographic Atlas of the Ocean: The Deep Frontier--Teacher's Guide	http://catalog.core.nasa.gov/core.nsf/item/300.1-28P,	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Book or Booklet	Limited Audience/Distribution: Geography Education (NOTE: there was a problem with one shipment of the teachers guide sent to GSFC warehouse from NGS -- book was not assembled in correct order -- pages out of sequence)	2001	
	Natural and Human Impacts Bookmark	http://asd-www.larc.nasa.gov/education/GTE_Bookmark-2001a.pdf	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal education	Web Site	Broad Distribution	2001	
	New Horizons: Orbit and Spin	http://pluto.jhuapl.edu/common/content/lessonPlans/orbit_and_spin.pdf http://swift.sonoma.edu/education/index.html http://swift.sonoma.edu/education/newton/newton_1/index.html http://swift.sonoma.edu/education/newton/newton_2/index.html http://swift.sonoma.edu/education/newton/newton_3/index.html http://swift.sonoma.edu/education/newton/newton_4/gavitation.html	SSE Astrophysics	Teachers Grades 3-5 Students, Teachers Grades 6-9	CD-ROM, PDF on Website Website/PDF Files/Poster/ Wallsheet	Broad Distribution Recommended, Revisions next update.	2006 Winter 2006/07	
	Newton's Three Laws Swift posters + exercises Night Lights	http://catalog.core.nasa.gov/core.nsf/item/300.1-18P	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12), Informal education	Wallsheet or Poster, Web Site	Broad Distribution	2002	
	Nimbus-7 TOMS Images: The 14 Octobers		Earth Science	Students, Teachers (Precollege)	Lithograph	Broad Distribution	1995	
	Numbers to Pictures: How Satellite Images are Made	http://imagers.gsfc.nasa.gov/teachersite/RGB/	Earth Science	Students, Teachers, Middle school (Grades 6-8)	Web Site	Broad Distribution	2002	

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	Ocean and Land...Struggling for Mastery: The Great Barrier Reef Observed by EOSDIS Data	http://ivanova.gsfc.nasa.gov/outreach/posters.html	Earth Science	This poster and handout are intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. It is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest.	Poster and Handout	Limited audience - advanced undergraduate and graduate education. Distribute with other EOSDIS education materials.	2003	
	Ocean Currents and Sea Surface Temperature MY NASA DATA Lesson 25 Ocean Motion Website Ocean World	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=9 http://www.oceanmotion.org http://oceanworld.tamu.edu	Earth Science Earth Science Earth Science	Students, Teachers Grades 8-12 Students Grades 9-12 Students, Teachers, College/University Instructors, Adult Education Students, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional	Website Website Web Site	Broad Distribution Recommended Approved as an Education Resource	Resubmitted September 2008 Resubmitted Fall 2007 2002	
	Our Dynamic Planet	http://www.amnh.org/education/resources/rfl/web/earthmag/	Earth Science	Informal education, Public at Informal Learning Center , Children/Youth Interpreters/Informal Educators at Informal Learning Centers.	Book or Booklet, Web Site	Approved	2001	
	Our Home: Earth from Space	http://education.gsfc.nasa.gov/video/	Earth Science	Students, High school (Grades 9-12)	VHS videotape, Web Site	Broad Distribution	2002	
	Our Mission to Planet Earth: A Guide to Teaching Earth System Science	http://spacelink.nasa.gov/Instructional.Materials/NASA.Educational.Products/Our.Mission.to.Planet.Earth/ NOTE: No longer available at this URL try http://www.nasa.gov/education/materials	Earth Science	Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5)	Web Site	Teacher Workshops	1995	
	Our Sun: How Well Do You Know It? (formerly: Learning More About Our Sun)	not yet determined	Heliophysics	Grades 3-5	Poster/PDF	Recommended	Spring 2009	
	Our Very Own Star	http://stargazers.gsfc.nasa.gov/epo/jsp/products.isd	SEC	K-4	Booklet	Broad Distribution, Revise Next Printing	2001	

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	Ozone Bioindicator Garden	www.ozonegarden.larc.nasa.gov (not yet active) http://www.nature.nps.gov/air/edu/O3Training/index.cfm	Earth Science	Informal Education Audiences	Book (eventually PDF?), Website	Recommended	Resubmitted July 2008	
	Ozone Bookmark	http://asd-www.larc.nasa.gov/education/ozone.pdf	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal education	Web Site	Broad Distribution	2001	
	Ozone/Nimbus-7 Total Ozone Mapping Spectrometer		Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Broad Distribution	1995	
	Ozone: The Good and the Bad	http://spaceplace.nasa.gov/en/educators/posters/TES/poster_ozone_all.pdf	Earth Science	Students, Teachers Grades 7-12	Wallsheet/Poster	Broad Distribution	Fall 2008 Interim Review	
	Pacific Expeditions: El Niño	http://www.PlanetEarthScience.com/products/El_Niño/El_Niño.html	Earth Science	Students, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Broad Distribution	2001	
	Perspectives from Space -- Earth: An Integrated System		Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Broad Distribution	1995	
	Perspectives From Space-- Earth: an Integrated System (one of a set of posters produced by NASA for the 1992 International Space Year)		Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Broad Distribution	1995	
	Perspectives on an Ocean Planet: TOPEX/POSEIDON Pi in the Sky	http://glast.sonoma.edu/teachers/teachers.html http://www.topscience.org/	Earth Science SEU	Students, Teachers (Precollege) Teachers Grades 5-12	CD ROM Book	Limited Distribution Recommended, revisions next edition/update	1997 2006	
	Planet Quest Lithograph	http://planetquest.jpl.nasa.gov/resources/resources_index.html http://amazing-space.stsci.edu/capture/stars/preview-ngc2440.php	ASO Astrophysics	Students, Teachers (Grades 5-16 & undergraduate) Students, Teachers Grades 10-14, Informal Audiences, General Public, Web Users, Museums etc.	Lithograph Lithograph	Recommended, Revisions next printina/update Recommended	2005 Fall 2007	
	Planetary Nebula Lithograph			Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5)	Web Site	Broad Distribution	1999	
	Potential Consequences of Climate Variability and Change Overview Activities for 1-4 Educators: Too Many Blankets	http://www.strategies.org/climate/Blankets_May02.pdf	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1999	
	Potential Consequences of Climate Variability and Change: Forests, A Sticky Situation, Planet Watch 2000	http://www.strategies.org/climate/StickySituation_May02.pdf	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1999	
	Potential Consequences of Climate Variability and Change: , Coastal Areas -- What Could a Hurricane do to Mv Home?.	http://www.strategies.org/climate/Hurricane_May02.pdf,	Earth Science	Teachers, Middle school (Grades 6-8)	Web Site	Broad Distribution	1999	
	Potential Consequences of Climate Variability and Change: Coastal Areas - What Is El Niño?	http://www.strategies.org/climate/ElNino_May02.pdf	Earth Science	Middle school (Grades 6-8)	Web Site	Broad Distribution		
	Potential Consequences of Climate Variability and Change: Human Health - Beyond the Bite: Mosquitoes and Malaria	http://www.strategies.org/climate/Mosquitoes_May02.pdf,	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1999	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Potential Consequences of Climate Variability and Change: Overview - Activities for 5-12 Educators: Global Balance	http://www.strategies.org/climate/GlobalBalance_May02.pdf	Earth Science	Teachers, High school (Grades 9-12), Middle school (Grades 6-8)	Web Site	Broad Distribution		
	Potential Consequences of Climate Variability and Change: Water - Here, There, Everywhere	http://www.strategies.org/climate/Water_May02.pdf	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1999	
	Preparing for Hubble's Servicing Mission 4: Star Witness News	http://amazing-space.stsci.edu/news/archive/2006/05/	Astrophysics	Upper Elementary-Middle School	Website	Broad Distribution	Resubmitted Spring 2009	
	PUMAS (Practical Uses of Math and Science)	http://pumas.jpl.nasa.gov	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1998	
	Radiation Math	http://spacemath.gsfc.nasa.gov/SMBooks/RadiationBookV2.pdf	Heliophysics	Grades 3-12 (individual problems span a smaller grade range, see the table of contents for details)	PDF Booklet	Recommended	Resubmission May 2009	
	Reading, Writing, and Rings	http://saturn.jpl.nasa.gov/education/edu-k4.cfm	SSE	Teachers & Students: Grades 1-2 and 3-4	Educators' Guide including a collection of classroom activities/resources. Available as PDF files on a WWW site	Broad Distribution and Workshop	2004	
**	RHESSI (Reuven Ramaty High Energy Solar Spectroscopic Imager) Education/Public Outreach Website	http://cse.ssl.berkeley.edu/hessi_epo/	SEC	Grades 6-14	WWW site with a collection of resources & education materials	Recommended for broad distribution Pending 508 Compliance	2004	
	Rise and Fall of the '97 - '98 El Nino as tracked by the TOPEX/Poseidon	http://topex-www.jpl.nasa.gov/education/el-nino-poster.html	Earth Science	Students, Teachers (Precollege)	Wallsheet or Poster	Broad Distribution	1999	
	Rising Tides Journal (was: Ocean Alive)	http://phytoplankton.gsfc.nasa.gov/risingtides/	Earth Science	Teachers, Students Grades 9-12	PDF, Web	Broad Distribution	Resubmitted Fall 2007	
	River Expeditions: the Amazon	http://www.PlanetEarthScience.com/products/The_Amazon/Amazon.html	Earth Science	Students, Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM, Web Site	Broad Distribution	2001	
	Sampling the Sun: What are we made of?	http://www.strategies.org/downloads/TG_What_Are_We_Made.pdf http://www.strategies.org/downloads/SA_What_are_We.pdf http://www.strategies.org/downloads/What_Are_We_ogenesis_beads_stats_V2.xls http://cimss.ssec.wisc.edu/satmet/	Planetary Science	Middle School Grades 5-8	Website/PDF	Recommended for broad distribution	Summer 2007	
	Satellite Meteorology for Grades 7-12	http://cimss.ssec.wisc.edu/satmet/	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	2003	
	Saturn Educator Guide	http://www.spacescience.org/Education/ResourcesForEducators/CurriculumMaterials/Cassini/1.html	SSE	Grades 5-8	CD-ROM	Broad Distribution, Revise Next Printing	2001	
	Scale of the Universe with TOPS learning system	http://glast.sonoma.edu/teachers/teachers.html#printed	SEU	Teachers (Grades 5-12)	Book	Recommended via Teacher Workshops and limited audience (Grades 7-12 instead of 5-12)	2005	
	Science Bulletins Website	http://sciencebulletins.amnh.org/	SEU, SEC, (SSE, ASO)	Formal Education Grades 6-12, Informal Education Ages 11-18	Website	Broad Distribution	2006	
	Science Seekers: Hidden in Rocks	http://www.tomsnyder.com/products/product.asp?SKU=SSKHID	Earth Science	Students, Middle school (Grades 6-8)	CD ROM, Book or Booklet, Web Site	Approved	2001	
	Science Seekers: Safe Water	http://www.tomsnyder.com/products/product.asp?SKU=SSKSAF	Earth Science	Students, Middle school (Grades 6-8)	CD ROM, Web Site, Book or Booklet	Approved	2001	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Science Writers' Guide to Aqua	http://aqua.nasa.gov/docs/Aqua_Sci_Writer's_Guide.pdf	Earth Science	Informal education, Multiple Media Professionals	Web Site	Approved as a resource for informal educators (not a stand alone education product for informal education)	2002	
	Science Writers' Guide to Landsat 7	http://eosps0.gsfc.nasa.gov/ftp_docs/Landsat7_writer_guide.pdf	Earth Science	Informal education, Multiple Media Professionals	Web Site	Broad Distribution to Science Writers	2000	
	Science Writers' Guide to Terra	http://eosps0.gsfc.nasa.gov/ftp_docs/Terra_Writers_Guide.pdf	Earth Science	Informal education, Multiple Media Professionals	Web Site	Broad Distribution to Science Writers	2000	
	S'COOL - Students' Cloud Observations On Line	http://scool.larc.nasa.gov	Earth Science	Students, Teachers (Precollege)	Web Site	Broad Distribution and Teacher Workshops	1998	
	S'COOL Cloud Types Tutorial	http://asd-www.larc.nasa.gov/SCOOL/tutorial/clouds/cloudtypes.html	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	CD ROM CD ROM, Web Site	Broad Distribution	2004	
	S'COOL Data Analysis	http://asd-www.larc.nasa.gov/SCOOL/tutorial/analysis_tutorial.ppt	Earth Science	Students, Teachers Grades 3-12	Power Point file	Broad Distribution	2008	
	S'COOL Flyer	http://school.arc.nasa.gov or http://asd-www.larc.nasa.gov/SCOOL/teachers.html	Earth Science	Students, Teachers (Grades 3-12)	Pamphlet	Broad Distribution	2005	
	S'COOL Introduction	http://asd-www.larc.nasa.gov/SCOOL/fp_menu.html and http://asd-www.larc.nasa.gov/SCOOL/fom_menu.html	Earth Science	Students Grades 3-12	Booklet	Recommended	2006	Resubmitted Summer 2006
	S'COOL Lesson Plan: Comparing the Amount of Rainfall in Different Geographic Areas	http://school.larc.nasa.gov/cgi-bin/view_lessonplan.cgi?id=12	Earth Science	Grade 3	Website	Recommended	Fall 2008	
	S'COOL Lesson Plan: Introducing Temperature Measurement	http://scool.larc.nasa.gov/cgi-bin/view_lessonplan.cgi?id=47	Earth Science	Grades K-2	Website	Recommended	Fall 2008	
	S'COOL Lesson Plan: Weather Jeopardy	http://scool.larc.nasa.gov/cgi-bin/view_lessonplan.cgi?id=59	Earth Science	Grade 4	Website	Recommended	Fall 2008	
	S'COOL Poster	http://asd-www.larc.nasa.gov/SCOOL/poster.html	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution and Teacher Workshops	1998	
	S'COOL related product: Intro to Clouds/Sky Watcher Chart	http://science-edu.larc.nasa.gov/cloud_chart/	Earth Science	Informal Audiences Ages 4-18, Web users, School groups and public events etc.	Wallsheet and Website	Recommended	Fall 2008	
	S'COOL Student Bookmark	http://asd-www.larc.nasa.gov/SCOOL/PDF/kid_bookmark.pdf	Earth Science	Teachers (Precollege), Other Education Professionals, Curriculum Developers, Curriculum Supervisors, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8)	Bookmark, Web Site	Broad Distribution	2003	
	S'COOL Teacher Bookmark	http://asd-www.larc.nasa.gov/SCOOL/PDF/bookmark.pdf	Earth Science	Teachers, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8)	Bookmark, Web Site	Broad Distribution	2003	

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	S'COOL Tutorial	http://asd-www.larc.nasa.gov/SCOOL/tutorial/scool.html	Earth Science	Students, Teachers, Middle school (Grades 6-8), Intermediate elementary (Grade 3-5)	CD ROM, Web Site	Broad Distribution	2003	
	S'COOL: Poetry in Weather Lesson Plan	http://scool.larc.nasa.gov/cgi-bin/view_lessonplan.cgi?id=27	Earth Science	Teachers Grades 3-5	Website	Recommended	Resubmitted May 2009	
	S'COOL: Cloud Identification Chart and The Cloud Cookery	http://asd-www.larc.nasa.gov/SCOOL/Cloud_ID.html	Earth Science	Students, Teachers, Middle school (Grades 6-8), Intermediate elementary (Grade 3-5)	Worksheet or Poster, Web Site, Other:	Broad Distribution	2003	
	Sea Winds: Catch the Wind - The QuikSCAT Story	http://catalog.core.nasa.gov/core.nsf/item/002.3-09V ,	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	VHS videotape	Broad Distribution	2001	
	Seasonal Cloud Cover Variations - MY NASA DATA Contributed Lesson 11	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 9-12	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	SeaWiFS Poster with Teaching Supplement	http://daac.gsfc.nasa.gov/CAMPAIGN_DOCS/OCDS/poster_supplement.html	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	Web Site	Broad Distribution	2001	
	Seeing and Exploring the Universe Resource Guide	http://universe.sonoma.edu/materials/2002/guide_pages/index.html	SSE	All	Pamphlet	Broad Distribution and Teacher Workshops, Revise Next Printing	2002	
	Seeing it All (Primarily GLOBE)	http://www.globe.fsu.edu/index.htm	Earth Science	Students (elementary), Teachers (elementary), School Librarians and Parents	Book or Booklet, Brochure or Pamphlet	Broad Distribution- Book and Activities; Book also approved for Grades 4-5 as a "read alone" book	2002	
	Seeing our World in a Different Light	http://coolcosmos.ipac.caltech.edu/resources/parameter_products/print_publication_pdf/IR_2page.pdf	ASO	Grades 7-12	Brochure	Broad Distribution	2001	
	Serendipity: RHESSI Spies a Gamma-Ray Burst Signals of Spring	http://www.signalsofpring.net/	SEC	Grades 8-12 & General Public	Lithograph	Broad Distribution	2004	
	SIR-C		Earth Science	Students, Teachers (Precollege)	Book or Booklet, Web Site, Other:	Broad Distribution and Teacher Workshops	2002	
	SkyMath: Mathematics for a Blue Planet	http://www.unidata.ucar.edu/staff/blynds/Sky-math.html	Earth Science	Students, Teachers, Middle school (Grades 6-8)	CD ROM	Teacher Workshops	1995	
	Snow Cover by Latitude - MY NASA DATA Contributed Lesson 4	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 6-8	Web Site	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	SOHO Brochure	http://zeus.nascom.nasa.gov/~bfeck/SOHO_brochure4.pdf	Heliophysics	Informal Product, General Public	PDF document	Broad Distribution	Resubmitted Summer 2007	
	SOHO Lithographs	http://sohowww.nascom.nasa.gov/ -- scroll down to "Image Set"	SEC	Students, Teachers, Middle school (Grades 6-8)	Web Site	Broad Distribution and Teacher Workshops	1999	
	Solar System Exploration Timeline 2004-2007	http://solarsystem.nasa.gov	SSE	K- Postdoc (NSTA approval)	Lithograph	Interim approval front page	2006	Interim approval - front page printing Winter 2005/06

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	Solar System Lithograph Set for Space Science	http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Solar.System.Lithograph.Set.html	SSE	All	WWW site, Lithograph	Broad Distribution, Revise Next Printing. Excellent resource, however adding classroom applications would make this a much more useful education product.	2002	
	Solar System Lithographs Set	http://solarsystem.jpl.nasa.gov/multimedia/downloads.cfm	SSE	All grade levels.	Lithograph and PDF via Web download	Broad Distribution	2006	Resubmitted winter 2005/2006 updated from pass in 2002
	Solar System Trading Cards Jr. Edition		ASO	Students, Teachers Grades 1-4	Trading Cards	Broad Distribution	2005	Resubmitted from Summer 2005 Medium Revisions
	Solar Week Soundprint (GSFC)	http://ww.imsa1.com/YPOP/solarweek/	SEC Earth Science	Grade 5-9 Students, Teachers (Precolleqe)	WWW site Audio Cassette	Broad Distribution Broad Distribution	2003 2000	
	Space Age Activity Guide		Earth Science	Students, Teachers (Precolleqe)	Book or Booklet	Limited Distribution	1995	
	Space math IV	http://spacemath.gsfc.nasa.gov/SMBooks/SMBook4.pdf	Heliophysics	Grades 3-12 (individual problems span a smaller grade range, see the table of contents for details)	PDF Booklet	Recommended	Resubmission May 2009	
	Space Math Website	http://image.gsfc.nasa.gov/poetry/weekly/weekly.html	Heliophysics	Middle School Grades 8-12 overall (Some 3-5 and 6-8)	PDF documents	Recommended	Fall 2007	
	Space Mysteries CD	http://mystery.sonoma.edu/index.html	SEU	Grades 5-9	CD-ROM	Broad Distribution	2002	
	Space Place Live episode with Andre Dress of the GOES project	http://spaceplace.jpl.nasa.gov/en/kids/live/shows/ep008/	Earth Science	Informal Audiences, ages 7-12, Web users, museums etc.	Website/Flash Animation	Broad Distribution	Spring 2009	
	Space Place Live! Episode #5 w/ Donya Douglas	http://spaceplace.nasa.gov/en/kids/live/	SEC	Informal Audiences Ages 7-12	Website, video stream	Broad Distribution - Revisions on Next Edition/Printing	2006	
	Space Place Live! Interview with Linda Herrell	http://spaceplace.nasa.gov/en/kids/live/	Heliophysics	Informal Audiences Ages 7-12	Website, video stream	Broad Distribution	Interim Review Fall 2007	
	Space Place: Cosmic Colors	http://spaceplace.nasa.gov/en/kids/cosmic/index.shtml#	Astrophysics	Grades 4-12 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Earth and Space Images for the classroom	http://spaceplace.nasa.gov/en/educators/teachers_images.shtml	Planetary Science	Grades 5-12 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Find the Hidden Words about Going to a Comet	http://spaceplace.nasa.gov/en/kids/cnsr_wordfind.shtml	Planetary Science	Grades 4-8 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Hail King of the Ice Dwarfs!	http://spaceplace.nasa.gov/en/kids/pluto/	Planetary Science	Grades 4-8 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Have Super Hearing with a Super Sound Cone	http://spaceplace.nasa.gov/en/kids/tmodact.shtml	Planetary Science	Graded 3-6 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: How Astronomers "Detwinkle" the Stars	http://spaceplace.jpl.nasa.gov/en/educators/adaptive_optics.pdf	Astrophysics	Grades 5-8 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Launch a Rocket from a Spinning Planet!	http://spaceplace.nasa.gov/en/kids/ds1_mgr.shtml	Planetary Science	Grades 3-5 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: LISA Space Mission Gives Humans a Sixth	http://spaceplace.nasa.gov/en/kids/lisa_fact2.shtml	Astrophysics	Grades 4-8 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Make a Galactic Mobile!	http://spaceplace.nasa.gov/en/kids/galex_make1.shtml	Astrophysics	Grades 3-6 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Make a Star Finder	http://spaceplace.nasa.gov/en/kids/st6starfinder/st6starfinder.shtml	Astrophysics	Grades 3-8 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product

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	Space Place: Make Asteroids you can Eat	http://spaceplace.nasa.gov/en/kids/ds1_ast.shtml	Planetary Science	Grades 2-7 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Mars Adventure	http://spaceplace.nasa.gov/en/kids/mars_rock_et.shtml	Planetary Science	Grades K-12 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Shrink a Building Three Ways	http://spaceplace.nasa.gov/en/kids/eo3_compression.shtml	Planetary Science	Grades 4-8 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: Solve this online crossword - Big Keck Telescope	http://spaceplace.nasa.gov/en/kids/ki_do1.shtml	Astrophysics	Grades 4-8 and informal audiences	Website	Recommended	Summer 2009	SSERD Reviewed Product
	Space Place: Visit the Land of the Magic Windows!	http://spaceplace.nasa.gov/en/kids/chandra.shtml	Astrophysics	Graded 3-6 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Space Place: What is the Secret Code used by the Voyager	http://spaceplace.nasa.gov/en/kids/vgr_fact1.shtml	Planetary Science	Grades 4-12 and informal audiences	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
**	Space Radiation Hazards Board Game	http://lws-set.gsfc.nasa.gov/ (will eventually be posted here)	Astrophysics	Middle School Students	Board Game, Cards, PDF files	Recommended	Resubmitted March 2009	
	Space Thrills!	http://discovery.nasa.gov/	SSE	Students, Teachers Grades K-4	Poster/Wallsheet	Recommended, revisions next edition/update	2006	Not yet 508 compliant but will modify when passed.
	Space Update 2006	http://earth.rice.edu/connected/spaceupdate.html http://www.spaceupdate.com/connected/order.html	SEU,SEC,ASO,SSE	Students Grades 5-8, Informal Audiences ages 7-12	CD Macromedia presentation	Recommended	2006	Resubmission from 2002
	Space Weather 2006	http://earth.rice.edu/connected/spaceupdate.html http://www.spaceupdate.com/connected/order.html	SEC	Students Grades 7-14, Informal Audiences ages 7-15	CD Macromedia presentation	Recommended	2006	Resubmission from 2002
	Space Weather Action Center	http://sunearthday.nasa.gov/swac/	Heliophysics	Grades 4-16 and Graduate students	Website	Recommended	Spring 2009	
	Space Weather Action Center (pre 2009 version)	http://sunearthday.nasa.gov/swac/ http://son.nasa.gov/tass/	Heliophysics, SSE	Teachers Grades 5-12	Website	Recommended via Teacher Workshops	2003	Resubmitted 2006, teacher training module of the Student Observation Network (SON), created upon review recommendation. Student Observation Network's, "Tracking a Solar Storm (TASS)" is the main resource used to collect data for the Space Weather Action Center (SWAC).
	Space Weather Media Viewer	http://sunearthday.nasa.gov/spaceweather/FlexApp/bin-debug/index.html#	Heliophysics	Grades 4-16 and Graduate students	Website	Recommended	Spring 2009	
	Space-Based Astronomy: An Educator Guide with Activities for Science, Mathematics, and Technology Education	http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Space.Based.Astronomy.html	ASO	Grades 5-8	Educators' Guide	Broad Distribution, Revise Next Printing	2001	
	SPACETIME: The History, The Basics, The Tests		SEU	Teachers & Students: Grades 9-12 in physics, physical science, and astronomy classes	Three-paneled wallsheet	Teacher Workshops	2004	

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	Spin Cycle: Hurricane Energetics	http://ivanova.gsfc.nasa.gov/outreach/posters.html	Earth Science	This poster and handout are intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. It is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest.	Poster and handout	Limited audience - advanced undergraduate and graduate education. Distribute with other EOSDIS education materials.	2003	
	Spinoff		Earth Science	Students, Teachers (Precollege)	Book or Booklet	Limited Distribution/Audience: Applications Community	2000	
	Stargazers to Starships	http://www.phy6.org/stargaze/Sintro.htm	SEC	Students, Teachers, Adult learners. Grades 9-14, Informal Ages 13-15, Spanish translation	Website	Broad Distribution	2006	
	Stellar Illumination	none	Planetary Science	Classroom Teachers Grades 9-12	PDF on Website or CD-ROM	Recommended, revisions next update	Summer 2007	
	Stellar Spire in the Eagle Nebula - In Search Of	http://amazing-space.stsci.edu/eds/overviews/print/lithos/stellar_spire_eagle_nebula.php.p=Teaching+tools%40%2Ceds%2Ctools%2C%3EPictures+%2Aamp%2Aamp%3B+facts%40%2Ceds%2Ctools%2Ctype%2Cpictures.php	Astrophysics	Grades 10-12	Lithograph	Recommended, revisions next update	Winter Review 2008/2009	Resubmitted and approved Spring/Summer 2006
	STEREO 3D poster	http://stereo.gsfc.nasa.gov/classroom/products.shtml	SEC	Formal Education Grades 4-9	Poster/Wallsheet (+PDF)	Broad Distribution - Revisions on Next Edition/Printing	2006	
	STEREO Educational Outreach CD: The Sun in 3-D	http://cse.ssl.berkeley.edu/impact/index.html	Heliophysics	Formal Education Grades 6-8, Informal Audiences Ages 10-15 + museums	CD ROM, Website	Broad Distribution	Resubmitted 2007	
**?	STEREO lithograph	http://www.strategies.org/downloads/STEREOIitho3.jpg http://www.strategies.org/downloads/STEREOIitho_back3.ipq	Heliophysics	Informal Audiences and general public	Lithograph	Recommended, revisions next update (508 compliance of pdf not known)	Summer 2007	
	Storms from the Sun	http://www-istp.gsfc.nasa.gov/istp/outreach/cmeposter/index.html	SEC	Grades 8-12	Poster/ Wallsheet PDF	Broad Distribution	2002	
	Structure and Properties of Matter: Ion Propulsion Student Observation Network DVD	http://dawn.jpl.nasa.gov/DawnClassrooms/2_ion_prop/index.asp	Heliophysics	Students Grades 9-16	Website, PDF Documents	Broad Distribution	Resubmitted Fall 2007	
			SEC	Teachers: Grades 4-12	DVD -21 Minutes	Limited Distribution and Workshop Distribution (experienced teachers, teachers through workshops)	2004	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Studying Earth's Environment From Space	http://www.ccpo.odu.edu/SEES/index.html	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	CD ROM, Web Site	Broad Distribution	2001	
	Studying Ocean Color from Space	http://ltp.gsfc.nasa.gov/landsat7/farr/Lessons.pdf ,	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Teacher Workshops	1998	
	Sun and Space Weather CD	http://stereo.gsfc.nasa.gov/classroom/products.shtml	Heliophysics	Students and Teachers Grades 4-12	CD-ROM	Recommended	Resubmitted Fall 2007	
	Sun as a Star: Science Learning Activities for After School		SEC	Informal after school Guide for ages 5-12	Book	Recommended Revise Next Printing	2006	
	Sun Splash Ozone	http://catalog.core.nasa.gov/core.nsf/item/002.2-18V	Earth Science	Students, Teachers (Precolleege)	VHS videotape	Broad Distribution through CORE	1995	
	Sun-Earth Day 2009 Folder: Our Sun Yours to Discover	Only for print, will not be posted electronically - see notes column.	Heliophysics	All grade levels.	Folder	Broad Distribution	Interim Review August 2008	Product falls under the category of a communications product. Websites and activities included have individually passed the science education review.
	Sun-Earth Scale Model Brochure (Solar Pizza)	http://sunearth.gsfc.nasa.gov/sunearthday/2003/classpizza.htm	SEC	N/A	Photograph	Broad Distribution	2002	
	Sun-Earth Viewer	http://sunearth.gsfc.nasa.gov/sunearthday/media_viewer/flash.html	SEC	Teachers & Students: Grades 5-12	WWW	Limited Distribution	2004	
	Supernova Educator's Guide	http://xmm.sonoma.edu/edu/supernova/index.html http://xmm.sonoma.edu/edu/supernova/snguide5.pdf	Astrophysics	Grades 7-14	Book and PDF, Excel Sheet, JPG images + CDROM (Website content)	Recommended, revisions next update	Spring 2008	
	Supernova Outreach Toolkit	http://nightsky.jpl.nasa.gov/	Astrophysics	Informal - Astronomy Club Members - Night Sky Network Students, Teachers Grades 5-8	Toolkit - multiple printed, video and demonstration pieces Website PDF, Brochure or Pamphlet	Broad Distribution, revisions next update.	2007	
	Swift Eyes through Time	http://www.teachersdomain.org/special/kmedia07-ex/scitech.swift/ http://swift.sonoma.edu/resources/multimedia/pubs/glider/splane508.pdf and http://swift.sonoma.edu/resources/multimedia/pubs/qlider/splane.pdf	Astrophysics	Informal Audiences, Ages 7-adult	Brochure/pamphlet (and PDF File)	Recommended, revisions next update	Resubmitted May 2009	
	Swift Glider	http://swift.sonoma.edu/resources/multimedia/pubs/qlider/splane.pdf	Astrophysics	Teachers, Students Grades 7-12	Brochure	Broad Distribution	Resubmitted Spring 2007	
	Swift Launch Fact Sheet	http://swift.sonoma.edu/resources/multimedia/pubs/	SEU	Teen and Adult informal education	Pamphlet	Recommended, Limited Audience (Grades 9-12+ instead of 5-8)	2005	
	Swift Launch Lithograph	http://swift.sonoma.edu/resources/multimedia/pubs/	SEU	Teen and Adult informal education	Pamphlet	Recommended, Limited Audience (Grades 9-12+ instead of 5-8)	2005	
	Swift Satellite Model "Catching Gamma-ray Bursts on the Fly" Booklet	http://glast.sonoma.edu/teachers/teachers.html http://glast.sonoma.edu/teachers/papermodel/qmodel0307.pdf	Astrophysics	Teachers, Students Grades 3-12	PDF, Website	Broad Distribution	Resubmitted Spring 2007	
	Taking the Measure of the Universe	http://spacelink.nasa.gov/products/Taking.the.Measure.of.the.Universe/ OR http://teachspacescience.org/graphics/pdf/10000540.pdf NOTE: No longer available on Spacelink try	ASO	Grades 6-12	Poster	Broad Distribution and Teacher Workshops	2001	
	teacearth.com	http://www.nasa.gov/education/materials http://teacearth.com -- NOTE: Funding for this site has ended, links are not maintained.	Earth Science	Teachers (Precolleege)	Web Site	Broad Distribution	2000	
	Tech Talk		Earth Science	Teachers (Middle-high school), Professionals	CD ROM	Limited Distribution/Audience: Applications Community	2000	

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	Technology Teacher: Listening for Rings from Space	http://www.spaceplace.nasa.gov/en/educators/LISA_antenna_activity.pdf	Planetary Science	Grades 7-12	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Technology Teacher: Navigating by Good Gyration	http://spaceplace.nasa.gov/en/educators/st6_ISCgyro.pdf	Planetary Science	Grades 7-12	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Technology Teacher: Paper Model of Kepler Spacecraft	http://kepler.nasa.gov/ed/model.html http://nasareviews.strategies.org/resources/Kepler_Model_Instructions.pdf http://nasareviews.strategies.org/resources/Photometer.pdf http://nasareviews.strategies.org/resources/Photometer_parts.pdf http://nasareviews.strategies.org/resources/Spacecraft_Base.pdf http://nasareviews.strategies.org/resources/Spacecraft_parts.pdf	Planetary Science	Grades 5-12	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Technology Teacher: Singing the Black and Blues	http://spaceplace.nasa.gov/en/educators/bluesky_blacksky.pdf	Planetary Science	Grades 6-8	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Technology Teacher: Speaking in Phrases	http://teachspace.org/graphics/pdf/10000646.pdf	Planetary Science	Grades 6-8	Website	Recommended, revisions next edition/update	Summer 2009	SSERD Reviewed Product
	Technology through Time	http://sunearthday.nasa.gov/2005/locations/chichen_itza.htm	SEC	Students, Teachers (Grades 5-8) and general public / adults	Website	Recommended, Revisions next printing/update	2005	
	Telescopes from the Ground Up - Web Based Activity	http://amazing-space.stsci.edu/resources/explorations/groundup/	Astrophysics	Teachers, Students graded 7-12 and informal audiences	Website/ CD-ROM	Recommended, Revisions next update	2008 summer	
	Terra Spacecraft -- NASA's Earth Observing System	http://eosps0.gsfc.nasa.gov/ftp_docs/Terra_brochure.pdf	Earth Science	Students, College/University Instructors, Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education	Web Site	Broad Distribution	2001	
	The 3D Sun	http://nasascience.nasa.gov	Heliophysics	Teachers, Students Grades 6-9	Poster/Wallsheet	Recommended, Revisions next update	Interim Review Summer 2008	Exact link not yet determined.
	The Adventure of Echo the Bat	http://imagers.gsfc.nasa.gov/k-4	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Informal education	Book or Booklet, Web Site	Teacher Workshops and NASA CORE	1999	
	The Adventures of Amelia the Pigeon	http://imagers.gsfc.nasa.gov/amelia	Earth Science	Students Children/Youth, Informal education	Web Site	Broad Distribution for Informal Education, Minor Revisions for K-5 Formal Education Book-	2002	
	The Air We Breathe	http://catalog.core.nasa.gov/core.nsf/item/300.1-61P also available to download PDF at: http://www.nasa.gov/audience/foreducators/tpnav/materials/listbytype/The_Air_We_Breathe.html	Earth Science	Students, Intermediate elementary (Grade 3-5), Informal education	Book or Booklet	Broad Distribution; separate activities that were submitted need revisions	2002	
	The Arctic Observatory	http://www.usra.edu/esse/learnmod.html	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years)	CD ROM, Web Site	Teacher Workshops	1997	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	The Asian Monsoon and Data Assimilation	http://catalog.core.nasa.gov/core.nsf/item/400.1-47	Earth Science	Students, Teachers, High School (Grades 9-12)	CD ROM	Teacher Workshops	1999	
	The Black Hole Explorer Game	http://cfa-www.harvard.edu/seuforum/einstein/resource/BHExplorer.htm	Astrophysics	Informal Audiences (all), Ages 10-18+	Print Material / Game Board	Broad Distribution	Winter 2006/07	
	The CERES S'COOL Project	http://asd-www.larc.nasa.gov/SCOOL/	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution and Teacher Workshops	1998	
	The Dynamic Sun CD	http://catalog.core.nasa.gov/core.nsf/item/400.0-94 OR http://sohowww.nascom.nasa.gov/explore/materials/DSweb/DSweb1.htm	SEC		CD-ROM	Broad Distribution	2000	
	The Exploration of the Earth's Magnetosphere	http://www.phy6.org/Education/Intro.html	SEC	Students, Teachers, Adult learners. Grades 9-14, Informal Ages 13-15, Spanish translation	Website	Broad Distribution	2006	
	The Gateway to Astronaut Photography of Earth	http://earth.jsc.nasa.gov	Earth Science	Students, Teachers, College/University Instructors, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Informal education, General public	Web Site	Broad Distribution	1997	Resubmitted and approved Spring/Summer 2006
	The Great Magnet, the Earth	http://www.phy6.org/earthmag/demagint.htm	SEC	Students, Teachers, Adult learners. Grades 9-14, Informal Ages 13-15, Spanish translation	Website	Recommended Revise Next Printing	2006	
	The Helix Nebula Lithograph	http://amazing-space.stsci.edu/eds/tools/type/pictures.php?Teaching+tools%40%2Ceds%2Ctools%2C	ASO	Students, Teachers (Grades 9-12)	Lithograph	Recommended, Revisions next printing/update	2005	
	The Herschel Experiment	http://coolcosmos.ipac.caltech.edu/cosmic_classroom/classroom_activities/herschel_experiment.html	ASO	Grades 7-12	Education Brief	Teacher Workshops	2001	
	The Hidden Lives of Galaxies Educator Guide	http://imagine.gsfc.nasa.gov/doc/teachers/galaxies/galaxies.html	SEU	Teachers (Grades 9-12)	Book	Recommended, Revisions next printing/update	2005	
	The Hidden Lives of Galaxies Poster	http://imagine.gsfc.nasa.gov/doc/teachers/galaxies/galaxies.html	SEU	Students, Teachers (Grades 9-12)	Poster/Wallsheet	Recommended via Teacher Workshops, with revisions on the next printing or edition	2005	
	The Incredible Two-Inch Universe	http://cfa-www.harvard.edu/seuforum/download/2inchUniverse.pdf	Astrophysics	Informal Education ages 9+	PDF	Broad Distribution	Winter 2007/2008	
	The Milky Way's Invisible Light	http://space.gsfc.nasa.gov/astro/education/mw_film/	SEU	High School	Video	Broad Distribution	2001	
	The Mystery of the Muddy Water		Earth Science	K-4 Students, Teachers, School Librarians, Parents	Book or Booklet, Brochure or Pamphlet	Broad Distribution- Book for Grades 4-6; Minor Revisions for Grades 4-6-Activities	2002	
	The NASA Scatterometer (NSCAT)		Earth Science	College/University Instructors, Professionals/Application Community	Lithograph	Limited Distribution/Audience: Applications Community	1997	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	The NASA SCIENCE Files™: The Case of the Disappearing Dirt	http://catalog.core.nasa.gov/core.nsf/item/002.3-04V or go to: http://scifiles.larc.nasa.gov/educators/index.html and click on the link for "Episodes" and then ""2002-2003 Season"	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Broad Distribution	2005	Resubmitted and approved Fall 2005
	The NASA SCIENCE Files™: The Case of the Mysterious Red Light	http://catalog.core.nasa.gov/core.nsf/item/002.3-04V or go to: http://scifiles.larc.nasa.gov/educators/index.html and click on the link for "Episodes" and then ""2002-2003 Season"	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Broad Distribution	2003	
	The NASA SCIENCE Files™: The Case of the Phenomenal Weather	http://catalog.core.nasa.gov/core.nsf/item/002.3-05V or go to: http://scifiles.larc.nasa.gov/educators/index.html and click on the link for "Episodes" and then ""2002-2003 Season"	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Broad Distribution	2003	
	The NASA SCIENCE Files™: The Case of the Shaky Quake	http://catalog.core.nasa.gov/core.nsf/item/002.2-38V or go to: http://scifiles.larc.nasa.gov/educators/index.html and click on the link for "Episodes" and then ""2002-2003 Season"	Earth Science	Students, Teachers, Intermediate elementary (Grade 3-5)	VHS videotape, Web Site	Broad Distribution	2003	
	The Potential Consequences of Climate Variability and Change: , Agriculture - El Niño	http://ois.unomaha.edu/casde/casde/lessons/Ino/teacherp.htm	Earth Science	Teachers, Middle school (Grades 6-8)	Book or Booklet, Web Site	Broad Distribution	1999	
	The Remote Sensing Core Curriculum	http://www.umbc.edu/rssc	Earth Science	Postsecondary Students, College/University Instructors	Web Site	Limited Distribution	1998	
	The Scoop on Soils - A GLOBE Activity	http://www.globe.gov/elementaryglobe/review.htm	Earth Science	Students K-4	Booklet/Website	Recommended	Summer 2006	
	The Sombrero Galaxy Lithograph	http://amazing-space.stsci.edu/eds/tools/type/pictures.php.p=Teaching+tools%40%2Ceds%2Ctools%2C	ASO	Students, Teachers (Grades 8-12)	Lithograph	Recommended, Revisions next printing/update	2005	
	The Space Place	http://spaceplace.jpl.nasa.gov/index.shtml	Earth Science	Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), Informal education	Web Site	Broad Distribution	2001	
	The Stellar Cycle Activity	http://chandra.harvard.edu/edu/formal/stellar_cycle/	SEU	Grades 5-12	Lithograph, PDF	Limited Distribution and Teacher Workshop Distribution -- not designed to stand alone.	2003	
	The Universe at Your Fingertips: An Astronomy Activity and Resource Book	http://www.astrosociety.org/education/astro/astropubs/universe.html	ASO, SSE, SEU, SEC	Grades 3-12	Book	Limited Distribution: Teachers who attend in-depth Project ASTRO training. For more broad distribution, would need revisions/additional information.	2003	
	The Warped Galaxy ESO 510 G13 Lithograph	Available at: http://amazing-space.stsci.edu/eds/tools/type/pictures.php.p=Teaching+tools%40%2Ceds%2Ctools%2C	ASO	Students, Teachers (Grades 6-12)	Lithograph	Broad Distribution	2005	
	The Whirlpool Galaxy (M51) and companion galaxy Lithograph	http://amazing-space.stsci.edu/eds/tools/type/pictures.php.p=Teaching+tools%40%2Ceds%2Ctools%2C	ASO	Students, Teachers (Grades 6-12)	Lithograph	Broad Distribution	2005	
	The World Watcher Project: The Global Warming Project	http://www.worldwatcher.northwestern.edu/curriculumMS.htm ,	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution and Teacher Workshops	2001	
	TIMED Spacecraft Mobile	http://stp.gsfc.nasa.gov/educ_out/educ_out.html	SEC	Grades 3-6	WWW site □ Pamphlet	Broad Distribution	2002	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	TIMED Spacecraft Model	http://stp.gsfc.nasa.gov/educ_out/educ_out.html	SEC	Grades 5-8	WWW site□Pamphlet	Broad Distribution	2002	
	TOMS Ozone -Difference from Climatology		Earth Science	Students, Teachers (Precollege)	Lithograph	Limited Distribution	1995	
	TOMS/Earth Probe		Earth Science	Students, Teachers (Precollege)	Lithograph	Teacher Workshops	1995	
	TOPEX/Poseidon		Earth Science	Students, Teachers (Precollege)	Lithograph	Teacher Workshops	1995	
	TOPEX/POSEIDON: Revealing Our Ocean Planet		Earth Science	General Public	Brochure or Pamphlet	Broad Distribution	1997	
	Touch the Sun	Download PDF from teachspace.org	SEC	Grades 9-12	Book□PDF	Broad Distribution and Teacher Workshops	2002	
	Tour of the Cryosphere DVD	-	Earth Science	Informal science education, outreach and postsecondary	DVD	Recommended, revisions next edition/update	2006	
	Tracking A Solar Storm	http://son.nasa.gov/tass/	SSE	Students Grades 5-12	Website	Recommended via Teacher Workshops	2003	Resubmitted 2003, module of the Student Observation Network (SON)
	Traditions of the Sun	http://www.traditionsofthesun.org/	SEC	Students, Teachers (Grades 8-12) and Museums/Science Centers	Website	Recommended: linked as part of a larger suite of NASA Sun-Earth educational materials	2005	
	Traditions of the Sun- the Sun-Earth Connection at Chaco Culture National Historical Park	http://www.traditionsofthesun.org/books.html	SEC	Students, Teachers Grades 4-6, Informal audiences Ages 10-12+, Underserved audiences	Book	Recommended, revisions next edition/update	2006	
	Treasure Hunt in Alaska	http://www.treasure-hunt.alaska.edu/title.html	Earth Science	Students Grades 4-5	Website and CD-ROM	Recommended	2006	Resubmitted Summer 2006
	Trends in Snow Cover and Temperature in Alaska - MY NASA DATA Contributed Lesson 14	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 9-12	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	Tropical Atlantic Aerosols MY NASA DATA Lesson 24	http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=56	Earth Science	Students, Teachers Grade 8	Website	Broad Distribution	Resubmitted September 2008	
	Trouble in the Troposphere- A Lesson on Tropospheric Ozone - MY NASA DATA Contributed Lesson 9	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 6-8	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
	UARS - The Upper Atmosphere Research Satellite	http://catalog.core.nasa.gov/core.nsf/item/002.2-26V	Earth Science	Students, Teachers, College/University Instructors, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Informal education, General public	VHS videotape	Broad Distribution	2001	
	Ultimate Field Trip: An Astronaut's View of the Earth	http://catalog.core.nasa.gov/core.nsf/item/100.0-57	Earth Science	Middle school (Grades 6-8)	Slides 35mm, Brochure or Pamphlet	Broad Distribution	2002	
	Ulysses Educational Worksheet		Heliophysics	Grades 5-8	Worksheet	Broad Distribution	Resubmitted March 2008	
	Underground Railroad: Connections to Freedom and Science	http://catalog.core.nasa.gov/core.nsf/item/008.0-10V	Earth Science	Middle school (Grades 6-8), High school (Grades 9-12), General public, Informal education	VHS videotape	Broad Distribution		

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Understanding GLOBE student Data	www.globe.gov	Earth Science	Teachers (Precollege), Students, School Librarians, Grades 6-12, and Informal Audiences	CD ROM, printed booklet	Broad Distribution	2005	resubmission Winter 2005/06
	Understanding the Biosphere from the Top Down	http://geo.arc.nasa.gov/sge/jskiles/top-down/intro_product/title-page.html	Earth Science	Middle school (Grades 6-8), High school (Grades 9-12), Intermediate elementary (Grade 3-5)	Web Site	Broad Distribution	1997	
	United States Geography: Appalachians, Ohio River Valley, Great Lakes	http://catalog.core.nasa.gov/core.nsf/item/100.0-50,	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	CORE Distribution	2002	
	United States Geography: East Coast States, New England to Florida	http://catalog.core.nasa.gov/core.nsf/item/100.0-49	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	Broad Distribution	2002	
	United States Geography: Great Plains and Mississippi River Valley	http://	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	CORE Distribution	2002	
	United States Geography: Great Plains and Mississippi River Valley	http://catalog.core.nasa.gov/core.nsf/item/100.0-51	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	Broad Distribution	2002	
	United States Geography: Rocky Mountains and Southwest	http://catalog.core.nasa.gov/core.nsf/item/100.0-52	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	Broad Distribution	2002	
	United States Geography: United States Cities	http://catalog.core.nasa.gov/core.nsf/item/100.0-54	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	Broad Distribution	2002	
	United States Geography: West Coast States, Alaska, and Hawaii	http://catalog.core.nasa.gov/core.nsf/item/100.0-53	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal Education	Slides 35mm	Broad Distribution	2002	
	United States of America Digital Landsat Mosaics	http://catalog.core.nasa.gov/core.nsf/item/400.1-52,	Earth Science	Students, Teachers, College/University Instructors, Public at Informal Learning Center Interpreters/Informal Educators at Informal Learning Centers, High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal education, General public	CD ROM	Limited Distribution. Teachers experienced in using Landsat imagery will find this to be a very useful resource. Strong recommendation by the review panel to provide teacher support (e.g., workshops, additional background information, teachers guide)	2001	
	Urban Heat Island		Earth Science	Students, Teachers (Precollege), Informal Education	Bookmark	Broad Distribution	1999	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Using GLOBE Data to Study the Earth System (Chapter from the Earth Exploration Toolkit - EET)	http://serc.carleton.edu/eet/globe/index.html	Earth Science	Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	2004	
	Using MY NASA DATA to Determine Volcanic Activity - MY NASA DATA Contributed Lesson 6	http://mynasadata.larc.nasa.gov/lessons.html	Earth Science	Students 8-12	Website	Recommended	Summer 2006	MY NASA Data Contributed Lesson
**	Vegetable Light Curves	http://dawn.jpl.nasa.gov/DawnClassrooms/lightcurves/index.asp	Planetary Science	Grades 8-12	PDF on Website	Recommended	Spring 2009	
	Venus Transit Webcast		SEC	Teachers & Students: Grades 6-12 and General Public	Webcast (provided on videotape - 1 hour)	Recommended Pending 508 Compliance (closed captions)	2004	
	Virtual Vacationland	http://www.bigelow.org/virtual	Earth Science	Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years)	Web Site	Broad Distribution	1999	
	Visible Earth	http://visibleearth.nasa.gov	Earth Science	Teachers, College/University Instructors, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Informal education	Web Site	Broad Distribution	2001	
	Visit to an Ocean Planet	http://catalog.core.nasa.gov/core.nsf/item/400.1-20	Earth Science	Students, Teachers, Middle school (Grades 6-8)	CD ROM	Teacher Workshops	1998	
	Visit to an Ocean Planet Volcanic Aerosols Bookmark	http://asd-www.larc.nasa.gov/education/Vocano_Aerosols_Bookmark.pdf	Earth Science Earth Science	Teachers (Precollege) Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12), Informal education	Brochure or Pamphlet Web Site	Broad Distribution Broad Distribution	2000 2001	
	Volcanoes of Hawaii and the Planets		Earth Science	Students, Teachers (Precollege), School Librarians, Other Education Professional	Slides 35mm, Book or Booklet	Teacher Workshops	1995	
	Voyager 25th Anniversary Wallsheet	http://voyager.jpl.nasa.gov/pdf/VoyagerPosterFinal2.pdf	Heliophysics	Grades 5-8	Wallsheet	Broad Distribution	Resubmitted March 2008	
	WATER (part of EOS Science Poster Series AIR, ICE, LAND, WATER)	http://eospsso.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/WATER/WATER_PO_frontend.jpg ; http://eospsso.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/index.php	Earth Science	Students, Teachers, College/University Instructors, Professionals, Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Undergraduate upper division (Last 2 years), Graduate or professional, Informal Education	Wallsheet or Poster, Web Site	Approved for Broad Distribution for Formal Education (Middle School - Post Secondary) Needs Revisions for Informal Education	2002	
	Water is a Force of Change	http://spacelink.nasa.gov/products/Water.is.a.Force.of.Change/ -- NOTE: this product is no longer available on Spacelink try http://www.nasa.gov/education/materials	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Web Site	Broad Distribution	1995	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Ways of Seeing	http://catalog.core.nasa.gov/core.nsf/item/400.1-31	SSE	Grades 5-8	CD-ROM	Broad Distribution	2001	
	Weather Watchers	http://catalog.core.nasa.gov/core.nsf/item/002.3-02V	Earth Science	Students, Teachers, High school (Grades 9-12), Undergraduate lower division (First 2 years)	VHS videotape	CORE Distribution	2002	
	What Causes Storms from the Sun		SEC	Students: Grades 5-12 and the General Public	Brochure	Broad Distribution - Revisions on Next Edition/Printing	2004	
**	What is a Planet?	http://pluto.jhuapl.edu/education/educators_eduGuide.php	Planetary Science	Grades 9-12	Website Units	Broad Distribution	Winter 2007/2008	
	What is a Planet? DVD	TBD	Planetary Science	Informal Audiences: Ages 4-18 and all general audiences	DVD	Recommended, Revisions next update	Interim Review Summer 2008	Exact link not yet determined.
	What is Your Cosmic Connection to the Elements Where on Earth...? MISR Mystery Image Quizzes	http://imagine.gsfc.nasa.gov/docs/teachers/elements/elements.html http://imagine.gsfc.nasa.gov/Images/teachers/posters/elements/Elements_2005.pdf http://www-misr.jpl.nasa.gov/education/whereonearth.html	Astrophysics	Teachers, Students Grades 7-12	Poster/Wallsheet	Broad Distribution	Resubmitted Spring 2007	
	Wildfire! August 2000 Terra Views Idaho-Montana Fires	http://ivanova.gsfc.nasa.gov/outreach/links/posters/pdf/letter/Wildfires.pdf	Earth Science	, Web Users Interpreters/Informal Educators at Informal Learning Centers, Informal education, General public This poster and handout are intended to capture the interest of scientists and/or graduate students who are not now skilled users of NASA remotely-sensed Earth Observing System (EOS) data. It shows them the utility of EOSDIS data for solving or providing new synergistic approaches for their own scientific problems. It is anticipated that the scientists and/or graduate students will order more EOSDIS data appropriate to their own areas of scientific research and problems of interest. Undergraduate upper division (Last 2 years), Graduate or professional	Web Site	Broad Distribution	2003	Limited audience - advanced undergraduate and graduate education. Distribute with other EOSDIS education materials.
	Windows to the Universe	http://www.windows.ucar.edu/	Earth Science	Students, Teachers, Primary elementary (K-2), Intermediate elementary (Grade 3-5), Middle school (Grades 6-8), High school (Grades 9-12), Undergraduate lower division (First 2 years), Informal education	Web Site, CD ROM	Broad Distribution	2001	
	Windows to the Universe: Effects at Earth of Space Weather Events	http://www.windows.ucar.edu/tour/link=/space_weather/space_weather.html	SEC		Web Site	Broad Distribution	2000	

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	World Cloud Cover Pattern	http://spacelink.nasa.gov/products/World.Cloud.Cover.Pattern/ -- NOTE: this product is no longer available on spacelink try http://www.nasa.gov/education/materials	Earth Science	Students, Teachers, Middle school (Grades 6-8), High school (Grades 9-12)	Lithograph, Web Site	Broad Distribution	1995	

<u>New Products in this 10/15/2009 release</u>	<u>Forum</u>	<u>Review Cycle</u>	<u>SSERD Update</u>
Cool Cosmos: Heat and Temperature Website	Astrophysics	Summer 2009	SSERD Reviewed Product
Cool Cosmos: Infrared Astronomy Website	Astrophysics	Summer 2009	SSERD Reviewed Product
Cool Cosmos: Infrared Image Gallery Website	Astrophysics	Summer 2009	SSERD Reviewed Product
Cool Cosmos: Infrared Yellowstone Website	Astrophysics	Summer 2009	SSERD Reviewed Product
Cool Cosmos: Infrared Zoo Website	Astrophysics	Summer 2009	SSERD Reviewed Product
Cool Cosmos: Multiwavelength Messier Marathon	Astrophysics	Summer 2009	SSERD Reviewed Product
Cool Cosmos: What is it? Learn about IR Images	Astrophysics	Summer 2009	SSERD Reviewed Product
Dancing Lights	Heliophysics	Resubmission Summer 2009	
Enrichment Problems in Space Science: Guide to Magnetism, Magnetic Math	Heliophysics	Interim Review Summer 2009	
IBEX Lenticular	Heliophysics/Planetary Science	Interim Review Summer 2009	
Impact Earth	Earth Science	Summer 2009	
Magnetic Storms Poster	Heliophysics	Interim Review Summer 2009	
Manual for Afterschool Universe	Astrophysics	Resubmission Summer 2009	
Space Place: Cosmic Colors	Astrophysics	Summer 2009	SSERD Reviewed Product

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
	Space Place: Earth and Space Images for the classroom	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: Find the Hidden Words about Going to a Comet	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: Hail King of the Ice Dwarfs!	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: Have Super Hearing with a Super Sound Cone	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: How Astronomers "Detwinkle" the Stars	Astrophysics	Summer 2009	SSERD Reviewed Product				
	Space Place: Launch a Rocket from a Spinning Planet!	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: LISA Space Mission Gives Humans a Sixth	Astrophysics	Summer 2009	SSERD Reviewed Product				
	Space Place: Make a Galactic Mobile!	Astrophysics	Summer 2009	SSERD Reviewed Product				
	Space Place: Make a Star Finder	Astrophysics	Summer 2009	SSERD Reviewed Product				
	Space Place: Make Asteroids you can Eat	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: Mars Adventure	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: Shrink a Building Three Ways	Planetary Science	Summer 2009	SSERD Reviewed Product				
	Space Place: Solve this online crossword - Big Keck Telescope	Astrophysics	Summer 2009	SSERD Reviewed Product				
	Space Place: Visit the Land of the Magic Windows!	Astrophysics	Summer 2009	SSERD Reviewed Product				
	Space Place: What is the Secret Code used by the Voyager	Planetary Science	Summer 2009	SSERD Reviewed Product				

**= 508 Pending: See Comments	PRODUCT TITLE	URL	NASA Science Area	Audience/Level	Format	Recommendation	Year Reviewed	Comments
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	Technology Teacher: Singing the Black and Blues	Planetary Science	Summer 2009	SSERD Reviewed Product				
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	Technology Teacher: Listening for Rings from Space	Planetary Science	Summer 2009	SSERD Reviewed Product				
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	Technology Teacher: Navigating by Good Gyration	Planetary Science	Summer 2009	SSERD Reviewed Product				
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	Technology Teacher: Paper Model of Kepler Spacecraft	Planetary Science	Summer 2009	SSERD Reviewed Product				
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	Technology Teacher: Speaking in Phrases	Planetary Science	Summer 2009	SSERD Reviewed Product				
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