Classroom Resources

Career Awareness:
PRWeb: http://www.prweb.com/releases/GIS/Careers/prweb10078944.htm
Fresno State, Division of Continuing and Global Education:

General:
VA Coastal Zone Map (VCU): http://www.coastalgems.org/
VADEQ—VEGIS: http://www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx
NASA Classroom Activities K-12:
http://landsat.gsfc.nasa.gov/education/activity_matrix.html
Why use GIS in the Classroom?: http://www.ncsu.edu/gisined/text-why.html
Education World:
http://www.educationworld.com/a_tech/tech/tech186.shtml
Teaching with GIS: Introduction to using GIS in the Classroom (ESRI Training):
http://training.esri.com/gateway/index.cfm?courseid=2198&fa=catalog.webCourseDetail
GIS in the Classroom, a Collaboration of Ideas:
GIS for Schools (ESRI): http://www.esri.com/Industries/k-12
Tutorial: Fundamentals of Remote Sensing (Natural Resources Canada):
http://www.nrcan.gc.ca/earth-sciences/geography-boundary/remote-sensing/fundamentals/1430
Learn Arcgis: https://learn.arcgis.com/en/gallery/
Telling your story with Storymaps, ESRI training:
http://training.esri.com/Courses/ts_StoryMaps/player.cfm?Create a StoryMap tour:
http://storymaps.arcgis.com/en/app-list/map-tour/tutorial/ and
Virginia View Curriculum http://virginiaview.cnre.vt.edu/education.html

Geography and Sciences:
NOAA COAST WATCH:
http://eastcoast.coastwatch.noaa.gov/
Starting Point:
http://serc.carleton.edu/introgeo/gis/index.html
GeoCommunity: http://www.geocomm.com/
The Science Spot:
http://sciencespot.net/Pages/classgpslsn.html
My World GIS: http://www.myworldgis.org/
Geography, GIS day Activities: http://www.ilovegeography.com/home/gis-day-activities/
Utah Education Network:
http://www.uen.org/utahlink/activities/view_activity.cgi?activity_id=15969
Joseph Kerski, Storymaps course Youtube:
https://youtu.be/8NVuwFo3LEk?list=PLiC1i3ejK5vuVpRcFxHsGWuUEhsWvg2u
The Landsat Thematic Bands Web Mapping Application in ArcGIS Online: https://youtu.be/4ChIS6dE3BY
Creating an Editable Feature Service for Citizen Science Mapping from a Spreadsheet
https://youtu.be/9xqubdXOYfs
Remote Sensing:
NASA Landsat 7 Science Data Users Handbook:
http://landsathandbook.gsfc.nasa.gov/ Band Combinations
(MODIS/ASTER/Landsat):
http://biodiversityinformatics.amnh.org/tool.php?content_id=141

Health and Physical Education:
Utah Education Network:
http://www.uen.org/utahlink/activities/view_activity.cgi?activity_id=15969
Pomeroy’s Physical Education Page:

History and Social Studies:
Social explorer: http://www.socialexplorer.com/
GIS for History: http://www.gisforhistory.org/
National Park Service, Historic Trails and Route Viewer:
Historical GIS Clearinghouse and Forum:
http://www.aag.org/cs/projects_and_programs/historical_gis_clearinghouse/hgis_projects_programs
National Historical Geographic Information System: https://www.nhgis.org/
What Historians want from GIS (Article, ArcNews Online):
China Historical GIS: http://www.fas.harvard.edu/~chgis/
Utah Education Network: http://www.uen.org/utahlink/activities/view_activity.cgi?activity_id=15969
USGS Historical Maps in ArcGIS Online: https://youtu.be/xZDuBrtuKME

Language Arts:
Using GeoSpatial Tools in Teaching Language Arts (GISCafé):
Reading, Writing and Thinking around the Globe; Geospatial Technologies for the English Language Arts and Beyond (Curriculum Integration & GIS in Education): http://barbareeduke.com/literature/literature_latitudes.htm
Utah Education Network: http://www.uen.org/utahlink/activities/view_activity.cgi?activity_id=15969

Mathematics:
ESRI GIS Education Community
- Mathematics: http://edcommunity.esri.com/educational-roles/Instructors/Math
- Analyzing Coordinates Before Mapping Them:
  http://blogs.esri.com/esri/gisedcom/2010/12/10/analyzing-coordinates-before-mapping-them/
- Bridging GIS and Mathematics Education:
GPS Math Modules: http://users.marshall.edu/~silver/GPS-UTM/GPS-UTM%20Activities.htm
Lesson Planet: http://www.lessonplanet.com/search?keywords=gps+math
Real World Math: http://www.realworldmath.org/
University of Virginia and Teacher Education: Mathematics:
http://www.teacherlink.org/content/math/activities/gps.html
Data:
GLCF Data and Products: http://glcf.umd.edu/data/
Virginia Geospatial Extension Program: http://gep.frec.vt.edu/data.html
USDA Natural Resources Conservation Service (NRCS) Geospatial Data Gateway: http://datagateway.nrcs.usda.gov/
USFWS, National Wetland Inventory, data by state: http://www.fws.gov/wetlands/Data/State-Downloads.html
USGS Earth Resources Observation and Science Center (EROS) Global Visualization Viewer (GLOVIS): http://glovis.usgs.gov/
USGS National Map Viewer: http://viewer.nationalmap.gov/viewer/
USGS Map Locator and Downloader: http://store.usgs.gov/b2c_usgs/usgs/maplocator/(ctype=areaDetails&xcm=r3standardpitrex_prd&c_area=%24ROOT&layout=6_1_61_48&uiarea=2)/.do
USGS Topo Quadrangles – Maps for America: http://nationalmap.gov/ustopo/