Earth Science Sites

Geology guides for regions of the United States
http://www.geology.teacherfriendlyguide.org/index.php/home-2

Rocks and Minerals Galleries
http://www.irocks.com/
http://www.steetleyminerals.com/

These are good sites from Larry Braile at Purdue University.
http://web.ics.purdue.edu/~braile/indexlinks/educ.htm

Seismic Sleuths also has stuff.
https://www.fema.gov/media-library/assets/documents/15229

Reunite Pangaea is also age appropriate.
http://www.msc.ucla.edu/oceanglobe/pdf/seafloorcontdrift/floor4.pdf

This Dynamic Planet is a nice interactive map.
http://www.volcano.si.edu/tdpmap/

There is a puzzle activity from SCEC based on it. Order map from SCEC, laminate it, and cut out plates.
http://www.scec.org/education/platetectonics/Map_User_Guide.pdf
http://www.scec.org

IRIS also has lots of information on earthquake activity
http://www.iris.edu/hq/

Windows to the Universe is an excellent site with lots of information about all things earth science related
http://www.windows2universe.org

This site from a geology teacher has lots of links to geology sites that may be helpful for you.
http://home.lcusd.net/lchs/ttraeger/geology_class_schedule_2014_fall.html

The Exploratorium in San Francisco has many offerings at their site for various earth science topics.
http://www.exploratorium.edu/explore
For a lesson on faults, look at this site within the exploratorium site.
http://www.exploratorium.edu/faultline/

Scholastic's site for review of various topics. Click on the topic area to search for what you need.
http://studyjams.scholastic.com/studyjams/jams/science/index.htm

National Geographic for Kids
http://kids.nationalgeographic.com/

Science behind the news
http://whyfiles.org/

For climate lessons, try this site:
http://cleanet.org/index.html

Include mapping inquiry activities – written with 5E lesson plan guide.
http://edcommunity.esri.com/Resources/Collections/geoinquiries

These are websites you may find helpful as you study constructive and destructive forces.
http://iweb.jackson.k12.ga.us/cstewart/geology/Home.html

http://freyelementary.typepad.com/fifthgrade/science.html

http://mrscolleys5thgradeacscienceclass.weebly.com/earth-science.html

http://www.jonathanfeicht.com/earth-science.html

For the latest earthquake data, check out this interactive map from USGS
http://earthquake.usgs.gov/earthquakes/map/

This site by the University of Kentucky has animated versions of geological processes that may be helpful as well.
https://ees.as.uky.edu/educational-materials

The site listed below is more advanced but it has a great map that shows your location . You can add the earthquakes, volcanoes, plate boundaries, etc. to the map and students can see that the boundaries are active areas, especially the ring of fire.

Click on student resources and open the first investigation to find the map and add the information for students to make observations. They may make a claim and use their observations of data to support their claim.
http://www.ei.lehigh.edu/eli/tectonics/index.html