**4th Grade Websites** (as of 4/262017)

**Electricity and Magnetism**

Below you'll find some very cool links with some excellent Science activities.  Please note that there are some pages in the links below that have fun Science experiments to perform related to electricity and magnetism.  As the sites suggest, please **do not** attempt any experiment without your parents' permission **and** supervision!  
 ***Lessons & Helpful Tools***[**Chapter 3 Jeopardy Review Game**](http://www.superteachertools.com/jeopardy/usergames/Jan201204/game1327764982.php)

[**Electricity Basics**](http://www.eia.doe.gov/kids/energy.cfm?page=electricity_home-basics)[**Electric Safety**](http://www.justice.qld.gov.au/fair-and-safe-work/electrical-safety) [**Electricity & Magnetism Introduction**](http://www.physics4kids.com/files/elec_intro.html)[**Electric Charges**](http://www.physics4kids.com/files/elec_charge.html) [**Conductors**](http://www.physics4kids.com/files/elec_conduct.html) **Electric Fields** [**Magnetic Fields**](http://www.physics4kids.com/files/elec_magneticfield.html)[**Currents**](http://www.physics4kids.com/files/elec_current.html) [**Resistance**](http://www.physics4kids.com/files/elec_resistance.html)[**Magnets**](http://www.physics4kids.com/files/elec_magnets.html)[**Electricity Facts**](http://idahoptv.org/dialogue4kids/season6/electricity/facts.cfm)[**History of Electricity**](http://www.tvakids.com/electricity/history.htm) [**Magnets**](http://www.historyforkids.org/scienceforkids/physics/electricity/magnet.htm)[**Benjamin Franklin**](http://library.thinkquest.org/J002420F/default.htm?tqskip=1)[**Electricity Resources**](http://www.cln.org/themes/electricity.html) [**Changing Circuits**](http://www.bbc.co.uk/schools/ks2bitesize/science/physical_processes/changing_circuits/read1.shtml) [**Electrical Conductors**](http://www.bbc.co.uk/schools/ks2bitesize/science/physical_processes/circuits_conductors/read1.shtml)  
  
[**Magnets & Springs**](http://www.bbc.co.uk/schools/ks2bitesize/science/physical_processes/magnet_springs/read1.shtml)  [**Magnetic Fields**](http://hyperphysics.phy-astr.gsu.edu/hbase/magnetic/magfie.html)[**Magnetism**](http://www.ndt-ed.org/EducationResources/HighSchool/Magnetism/hs_mag_index.htm) [**Electricity for Kids**](http://www.vrml.k12.la.us/curriculum/quicktip/science/electricity/elec.htm)  
**Videos of the Northern Lights:**[**1**](http://www.t3licensing.com/video/clip/731C531_512.do?assetId=clip_21456736&keywords=northern%2Clights)**|**[**2**](http://www.t3licensing.com/video/clip/731C531_512.do?assetId=clip_21456736&keywords=northern%2Clights)**|**[**3**](http://www.t3licensing.com/video/clip/345027_008.do?assetId=clip_3563032&keywords=northern%2Clights)

**Bill Nye the Science Guy: Electricity** [**Bill Nye the Science Guy: Magnetism**](https://www.youtube.com/watch?v=4bppssq4jsI)

***Games & Activities***

[**Magnet and Electromagnet Simulation**](http://phet.colorado.edu/en/simulation/magnets-and-electromagnets) [**Generator Simulation**](http://phet.colorado.edu/en/simulation/generator)

[**Balloons and Static Electricity Simulation**](http://phet.colorado.edu/en/simulation/balloons) [**Circuit Construction Simulation**](http://phet.colorado.edu/en/simulation/circuit-construction-kit-dc)

[**Static Electricity Experiments**](http://www.mos.org/sln/toe/staticmenu.html) [**Make a Magnet**](http://school.discoveryeducation.com/curriculumcenter/magnetism/activity1.html) [**NASA Science Files**](http://scifiles.larc.nasa.gov/text/kids/D_Lab/acts_electric.html)  
  
[**Magnet Man: Cool Experiments with Magnetism**](http://my.execpc.com/~rhoadley/magindex.htm) [**The Electric Force**](http://www.colorado.edu/physics/2000/waves_particles/wavpart2.html)  
 [**Electrical Safety**](http://www.miamisci.org/af/sln/frankenstein/safety.html) [**Super Sparker**](http://www.exploratorium.edu/science_explorer/sparker.html) [**Experiments with Electricity & Magnetism**](http://www.galaxy.net/~k12/electric/index.shtml)  
  
[**Snacks About Magnetism**](http://www.exploratorium.edu/snacks/iconmagnetism.html)  [**Science Lab on Circuits**](http://teacher.scholastic.com/dirt/circuits/lab.htm) [**Magnets & Springs Game**](http://www.bbc.co.uk/schools/ks2bitesize/science/physical_processes/magnet_springs/play.shtml)  
 [**Changing Circuits Game**](http://www.bbc.co.uk/schools/ks2bitesize/science/physical_processes/changing_circuits/play.shtml)  [**Electrical Conductors Game**](http://www.bbc.co.uk/schools/ks2bitesize/science/physical_processes/circuits_conductors/play.shtml)[**Electrical Circuits Game**](http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/electrical_circuits/play/)

[**Electrical Conductors Game**](http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/circuits_conductors/play/) [**Magnets Game**](http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/magnets/play/)

The links on this web site are provided for your information and convenience. By clicking on the links in this section, you will be leaving our class web site. Please be aware that, while I make every effort to evaluate all the sites to which we link, I cannot endorse nor be responsible for the content provided on these sites.

**Landforms**

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[**Geology Field Trips**](http://www.internet4classrooms.com/links_grades_kindergarten_12/virtual_field_trips_geology.htm)[**Third from the Sun**](http://cse.ssl.berkeley.edu/SegwayEd/lessons/third_from_sun/index.htm)[**NASA visible Earth program**](http://visibleearth.nasa.gov/)

[**Interactive Landforms websites**](http://interactivesites.weebly.com/landforms.html)[**Landforms**](http://www.edu.pe.ca/southernkings/landforms.htm)**by SKC Harcourt -**[**Types of Land**](http://www.harcourtschool.com/activity/types_of_land_2/index.html)[**Surface of the Earth landform photos**](http://science.nationalgeographic.com/science/earth/surface-of-the-earth/)**by National Geographic**[**Interactive Map Landform regions of the United States**](http://www.eduplace.com/kids/socsci/books/applications/imaps/maps/g2_u2/index.html)**by Houghton Mifflin Co.  
  
Enchanted Learning**[**Landforms and Bodies of Water**](http://www.enchantedlearning.com/geography/landforms/glossary.shtml)[**Landforms**](http://www.edu.pe.ca/southernkings/landforms.htm) **Quia**[**Landform Vocabulary**](http://www.quia.com/jg/244079.html)**practice** [**Landforms-free games and activities**](http://www.wartgames.com/themes/geography/landforms.html)

**Quia** [**Landforms**](https://www.quia.com/jg/29.html) **matching games**

**Animal Studies**

[Living Things](http://www.bbc.co.uk/schools/ks2bitesize/science) - learn about living things, materials, and physical processes - a neat site from BBC in Great Britain.



[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.mrsrenz.net/animaladaptations.htm) Animal Adaptations](http://www.mrsrenz.net/animaladaptations.htm)

[National Geographic for Kids](http://www.nationalgeographic.com/kids/)  a great wealth of knowledge awaits you at this site.



[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.kidsplanet.org/factsheets/map.html) Fact Sheets About Animals](http://www.kidsplanet.org/factsheets/map.html) - get fact sheets on over 50 animal species.

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.epa.gov/students/fun.html) EPA Student Center](http://www.epa.gov/students/fun.html) - play and learn about water, ecosystems, plants and animals.

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.bbc.co.uk/schools/scienceclips/ages/10_11/interdependence.shtml)Animal Interdependence and Adaptations](http://www.bbc.co.uk/schools/scienceclips/ages/10_11/interdependence.shtml) - Macromedia Flash game.

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.ecokids.ca/pub/eco_info/topics/frogs/chain_reaction/index.cfm) Play "Chain Reaction" a Food Chain Game](http://www.ecokids.ca/pub/eco_info/topics/frogs/chain_reaction/index.cfm).

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/ponddip/index.html) A Virtual Pond Dip](http://www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/ponddip/index.html) - cool!

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.harcourtschool.com/activity/food/food_menu.html) Fun with Food Webs](http://www.harcourtschool.com/activity/food/food_menu.html)- interactive site.

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.abc.net.au/beasts/fossilfun/burial/default.htm) Burying Animal Bodies](http://www.abc.net.au/beasts/fossilfun/burial/default.htm)

[[http://www.mrsrenz.net/images/subjectmatterpics/colored%20bullet.gif](http://www.mrsrenz.net/lifeprocesses.htm) Life Processes Websites](http://www.mrsrenz.net/lifeprocesses.htm) - wetlands, watershed, habitats, ecosystems.