

***Sources for Workshop Materials***

 **Solar Energy Introduction**

* Energy Cards

<http://nightsky.jpl.nasa.gov/download-view.cfm?Doc_ID=494>

* Solar Balloon

 <http://www.amazon.com/Toysmith-7991-UFO-Solar-Balloon/dp/B001D21SUK>

**Seasons**

* LHS GEMS Seasons Teacher Guide

 <http://lhsgems.org/GEMSSeasons.html>

* Polystyrene Balls
<http://www.shapeinnovation.com>

**Living With A Star**

* LHS GEMS Living With A Star Teacher Guide

 <http://lhsgems.org/gemsLWAS.html>

**Mapping Magnetic Fields**

* Bar Magnets

 <http://www.arborsci.com/pair-steel-bar-magnets>

* Clear Compass

<http://www.arborsci.com/small-clear-compasses-20-pack>

**Electromagnetic Spectrum**

* Diffraction Grating
 <http://www.onlinesciencemall.com/diffraction-grating-sheet-500-lines-per-mm-linear-1ft.html>

**Solar Energy Explorations**

* Teaching Solar Teacher Guide

 <http://www.solarschoolhouse.net/resources/SSHCatalog_v6.pdf>

* .5 volt solar energy cells <http://shop.pitsco.com/store/detail.aspx?KeyWords=solar+cells&searchtype=0&sport=3&by=20&c=0&t=0&l=0&ID=4426>
* Small motors
<http://shop.pitsco.com/store/detail.aspx?KeyWords=motors&searchtype=0&sport=3&by=20&c=0&t=0&l=0&ID=2997>
* 3-watt solar energy module

<http://www.kidwind.org/xcart/product.php?productid=445>
<http://www.solarschoolhouse.net/resources/SSHCatalog_v6.pdf>

* Convex/concave mirrors

<http://www.arborsci.com/hand-held-concave-convex-mirror>

* Thermometers

<http://nadascientific.com/science_education/partial-immersion-c-f-lab-thermometer.html>

* Digital multimeters

[http://www.amazon.com/SE-MM6162L-Digital-MultiMate-Display/dp/B0014JWTC8/ref=sr\_1\_7?s=automotive&ie=UTF8&qid=1340138090&sr=1-7](http://www.amazon.com/SE-MM6162L-Digital-MultiMate-Display/dp/B0014JWTC8/ref%3Dsr_1_7?s=automotive&ie=UTF8&qid=1340138090&sr=1-7)