Background Resources for Digitalis
Education Solutions' Lesson Plans

General Astronomy

http://www.badastronomy.com
http://www.nasa.gov
http://amazing-space.stsci.edu/
http://spacekids.hq.nasa.gov/
http://www.windows.ucar.edu/tour/link=/windows3.html
http://www.darksky.org
http://antwrp.gsfc.nasa.gov/apod/astropix.html
http://www.rivalquest.com/space/
http://skyandtelescope.com/resources/internet/article_340_1.asp

Current Events

http://skyandtelescope.com
http://www.lowell.edu/Public/LEARN
http://www.spacetoday.org
http://www.astronomy.com/home.asp

Constellation Legends

Websites:
http://www.r-clarke.org.uk/constellations/constellations1.htm
http://www.learnwhatsup.com/prc/space/constellations.html
http://www.dibonsmith.com/data.htm
http://www.ras.ucalgary.can/~gibson/starnames/starnames.html
http://www.corvus.com/con-page/winter/ori-01.htm
http://www.astro.wisc.edu/~dolan/constellations/
http://www.cosmopolis.com/star-myths/menu.html

Books:
They Dance in the Sky, Jean Guard Monroe and Ray A. Williamson.
The Constellations, Chris Sasaki.
Beyond the Blue Horizon, Dr. E.C. Krupp.

Star Maps

http://www.pacsci.org/planetarium/Starmaps/mapdefault.html (for mid-northern latitudes)
http://www.hawastsoc.org/deepsky/allsky/allsky.html
http://www.wunderground.com/sky/index.asp

Posters of the Moon, Sun, etc.

http://www.nasa.gov/home/ (click on the “For Educators” heading)

Celestial Objects

Moon/Moon Phases

http://www.nineplanets.org/luna.html
http://www.windows.ucar.edu/tour/link=/earth/moons_and_rings.html
http://hea-www.harvard.edu/ECT/the_book/Chap6/Chapter6.html
http://www.spacegrant.hawaii.edu/class_acts/MoonDoc.html
http://csep10.phys.utk.edu/astr161/lect/moon/moon_interior.html
http://www.learner.org/teacherslab/pup/act_earthmoonintro.html
http://www.badastronomy.com/bad/misc/tides.html

Planets, General

http://www.nineplanets.org
http://pds.jpl.nasa.gov/planets/welcome.htm
http://www.nasm.si.edu.ceps/etp/etp.htm

Retrograde Motion

http://www.scienceu.com/observatory/articles/retro/retro.html
http://alpha.lasalle.edu/~smithsc/Astronomy/retrograd.html

Comets

http://seds.lpl.arizona.edu/nineplanets/nineplanets/comets.html
http://cfa-www.harvard.edu/iau/Ephemerides/Comets/
http://seds.lpl.arizona.edu/nineplanets/nineplanets/halley.html
http://www.solarviews.com/eng/halley.htm

Stellar Navigation

http://home.t-online.de/home/h.umland/
http://www.celestialnavigation.net/
http://www1.minn.net/~keithp/cn.htm
http://www.nav.org/cel/introduction.html

Solstice/Equinox/Seasons

http://www.clarkplanetarium.org/FilesPermanent/SolsticeEquinox.html
http://www.attheoak.com/seasons.html
http://www-istp.gsfc.nasa.gov/stargaze/Sseason.htm
http://www.badastronomy.com/bad/misc/egg_spin.html

How We Can Tell That Earth is in Motion

http://www.astro.queensu.ca/~hanes/p014/Notes/Topic_012.html#PART%202
http://www.physlink.com/Education/AskExperts/ae240.cfm
http://curious.astro.cornell.edu/question.php?number=190

History of Astronomy

Aristotle
http://csep10.phys.utk.edu/astr161/lect/retrograde/aristotle.html
http://www.utm.edu/research/iep/a/aristotl.htm

Ptolemy
http://www.seds.org/billa/psc/theman.html
http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Ptolemy.html
http://es.rice.edu/ES/humsoc/Galileo/Things/ptolemaic_system.html

Galileo
http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Galileo.html
http://scienceworld.wolfram.com/biography/Galileo.html
http://es.rice.edu/ES/humsoc/Galileo/

Sir Isaac Newton
http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Newton.html
http://csep10.phys.utk.edu/astr161/lect/history/newtongrav.html
http://www.newton.cam.ac.uk/newton.html

Albert Einstein
http://www.westegg.com/einstein/
http://www.pbs.org/wgbh/nova/einstein/

Edwin Hubble
http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Hubble.html
http://www.pbs.org/wgbh/aso/databank/entries/bahubb.html
http://www.edwinhubble.com/

History of rocketry
http://www.thespaceplace.com/history/rocket2.html
http://mirkwood.ucs.indiana.edu/space/rocketry.htm

Timelines/Overviews
http://www.windows.ucar.edu/tour/link=/the_universe/uts/timeline.html
http://www.spacetoday.org/History/History.html
http://astroinfo.port5.com

http://www.physics.sfsu.edu/~gmarcy/cswa/history/history.html

Determining the speed of light

http://www.physlink.com/Education/AskExperts/ae22.cfm
http://www.what-is-the-speed-of-light.com/
http://hyperphysics.phy-astr.gsu.edu/hbase/relativ/lighthist.html

Determining Distance to/Composition of Stars

Cassini
http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Cassini.html

Henrietta Leavitt
http://www.physics.ucla.edu/~cwp/Phase2/Leavitt,_Henrietta_Swan@871234567.html
http://www.pbs.org/wgbh/aso/databank/entries/baleav.html

Cepheid variables
http://zebu.uoregon.edu/~soper/MilkyWay/cepheid.html
http://imagine.gsfc.nasa.gov/docs/science/mysteries_l1/cepheid.html

Spectroscopy
http://web.mit.edu/spectroscopy/history/history-classical.html

Redshift/blueshift
http://www.astro.ucla.edu/~wright/doppler.htm
http://zebu.uoregon.edu/~soper/Light/doppler.html
http://www.ucolick.org/~bolte/AY4/notes4/node2.html
http://alpha.lasalle.edu/~smithsc/Astronomy/retrograd.html
http://csep10.phys.utk.edu/astr161/lect/retrograde/aristotle.html

Parallax
http://www.eso.org/outreach/spec-prog/aol/market/collaboration/solpar/
http://zebu.uoregon.edu/~js/glossary/parallax.html
http://www.ast.cam.ac.uk/~mjp/astroparallax.html
http://www.badastronomy.com/bitesize/parallax.html

The Electromagnetic Spectrum

Diagrams
- http://imagers.gsfc.nasa.gov/ems/waves3.html
- http://hyperphysics.phy-astr.gsu.edu/hbase/ems1.html

Information

- http://imagine.gsfc.nasa.gov/docs/science/know_l1/emspectrum.html
- http://hyperphysics.phy-astr.gsu.edu/hbase/ems1.html
- http://www.purchon.com/physics/electromagnetic.htm

Dark matter, dark energy, black holes

http://www.astro.queensu.ca/~dursi/dm-tutorial/dm0.html
http://astron.berkeley.edu/~mwhite/darkmatter/dm.html
http://chandra.harvard.edu/xray_astro/dark_matter.html
http://archive.ncsa.uiuc.edu/Cyberia/NumRel/BlackHoles.html
http://cosmology.berkeley.edu/Education/BHfaq.html
http://physicsweb.org/article/news/7/12/8
http://universe.gsfc.nasa.gov/science/darkenergy.html

Cosmology

http://www.astro.ucla.edu/~wright/cosmology_faq.html
http://map.gsfc.nasa.gov/m_uni.html
http://www-gap.dcs.st_and.ac.uk/~history/HistTopics/Cosmology.html
http://cfa-www.harvard.edu/~jcohn/tcosmo.html

Space Telescopes

HST

http://hubblesite.org
http://hubble.nasa.gov
http://www.seds.org/hst/hst.html
http://heritage.stsci.edu/

James Webb Space Telescope

http://www.stsci.edu/jwst/
http://ngst.gsfc.nasa.gov/science/Starsandplanets.html

Spitzer Space Telescope

http://sirtf.caltech.edu/

Chandra X-ray Observatory

http://chandra.harvard.edu/
http://chandra.nasa.gov/

Compton Gamma-Ray Observatory

http://cossc.gsfc.nasa.gov/cgro/index.html

Debunking Astrology

http://www.astrosociety.org/education/astro/act3/astrology.html
http://www.badastronomy.com/bad/misc/zodiac.html
http://www.astrology-and-science.com/portal.htm
http://www.astrosociety.org/education/publications/tnl/11/11.html
http://users.erols.com/thestewarts/astrology.html

Sources for Daily Horoscopes (to use to debunk astrology)

http://horoscopes.astrology.com
http://www.free-daily-horoscopes.com
http://www.horoscope.com
http://astrology.yahoo.com
http://astrology.msn.com