

EM Spectrum and Multi-wavelength Astronomy Resource List



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<http://www.sofia.usra.edu/>

<http://www.seti.org>

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Projecting the EM Spectrum with an overhead projector:

<http://nasawavelength.org/resource/nw-000-000-002-512>

Holographic Diffraction Gratings

Science First
Edmund Scientifics

Infrared Astronomy Curriculum Supplement:

“Active Astronomy: Classroom Activities for Learning about Infrared Light” NASA SOFIA program: Free download, including materials list at http://www.sofia.usra.edu/Edu/materials/edu_materials.html or purchase a complete kit of materials through the Astronomical Society of the Pacific, <http://www.astrosociety.org>

Diffraction glasses: Rainbow Symphony, 500 lines per mm, single axis linear. Also available slides mounted in 2” x 2” frames.

www.rainbowsymphonystore.com/
1-800-821-5122

EM Spectrum--articles:

Teaching about the Electromagnetic Spectrum Using the Herschel Experiment, Pompea and Gould
https://spie.org/etop/2001/561_1.pdf

Introduction the Electromagnetic Spectrum,
Finkenthal
<http://fusioned.gat.com/images/pdf/EMcurriculum.pdf>

Tie-dyed labcoats: Search online with “Tie-dyed lab coats” several sites come up.

Color Filters: Theatrical gels (filters) are normally used to change the colors of lights in the theater, film, and television work. These gels are made to exacting specifications with regard to which wavelengths of light they transmit and which ones they absorb. Purchase gels at a local theatrical supply store, or directly from Gam or Roscolux. The gels below are recommend.

GamColor
#250 Medium Red XT
#850 Primary Blue
#650 Grass Green.
<http://www.gamonline.com/>

NASA Mission Science Tour of the EM Spectrum

<http://missionscience.nasa.gov/ems/>

Multiwavelength Milky Way:

<http://mwmw.gsfc.nasa.gov/>

Chandra X-ray Observatory:

http://www.nasa.gov/mission_pages/chandra/multimedia/index.html#.VH4u9YeivZE

Multiwavelength Universe: Poster PDF
coolcosmos.ipac.caltech.edu/resources/paper_products/print_publication_pdf/MWUfull.pdf

Multiwavelength Astronomy website:

http://coolcosmos.ipac.caltech.edu/cosmic_classroom/multiwavelength_astronomy/multiwavelength_astronomy/

Visit the websites for more education and outreach activities and events.