

nightwise.org

For Kids!







[Three Sources of Light Pollution](#) asks "What's the Problem?", "Why Should I Care?", and "What Can I Do?"



[projects.htm](#)

Projects page lists lots of demonstrations, activities, projects, and science fair ideas for kids, including the highlights below:

	<p><u>Let There Be Night</u> will create a planetarium program and a school district-wide experiment to assess a community's sky glow during IYA2009. With a contribution from Toyota and other <u>supporters</u>, the experiment parallels the Globe at Night initiative. The planetarium program will be distributed to facilities across the country, while the students will assess sky glow from within the school district boundaries.</p>
	<p><u>Globe at Night</u> is a worldwide campaign to observe and record the magnitude of visible stars as a means of measuring light pollution in a given location. The next star count is March 16-28, 2009.</p>
	<p>Simple <u>paper plate demonstrations</u> by an 8 year-old convey both the impact of glare and the benefits of shielding lights.</p>
	<p>For a science project named <u>Sorry Starry Night</u>, a student measured the sky glow from seven sites adjacent to a new retail development.</p>



For the [Night Vision](#) program, families and teams use hand-held Sky Quality Meters (SQMs) to measure the the amount of light reflected back down to earth from multiple sites.



Two [students measure sky glow](#) in their community, then share results with their classmates in a portable planetarium.



List of [ideas](#) for student presentations to the public helps jump-start student projects.



Extended list of [ideas for student projects](#) or academic fairs, with specific reference to issues in northern Indiana.



[rockland.htm](#)
Students of the Applied Democracy class at Watershed Community School in Rockland, Maine used an [SQM](#) and a handheld GPS to map sky glow in their town.



Your stuff could be here! Please send your ideas, links, and content to bueter"AT"nightwise.org.



<http://www.sciencenewsforkids.org/articles/20071205/Feature1.asp>

Science News for Kids features a story about outdoor lighting issues and provides supporting activities, links, and questions.



<http://www.astrosociety.org/education/publications/tnl/74/74.html>

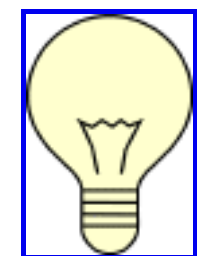
[A Silent Cry for Dark Skies](#) from the Universe in the Classroom series (No. 74-Winter 2008) presents examples of how the natural world is impacted by excessive outdoor lights. See also *Light Pollution* –

Universe in the Classroom No. 44, Fall 1998, at

<http://www.astrosociety.org/education/publications/tnl/44/lightpoll.html>.



[Lights Out America](#) encourages everyone to turn off outdoor lights for one hour on **Saturday, March 29, 2008**, from 8:00 p.m. to 9:00 p.m. to promote energy conservation.



[chain](#)

[Energy chain](#) illustrates how only about 1% of initial energy extracted from earth makes its way to roadway reflection.



<http://www.youtube.com/watch?v=1ejcZsLEtEQ>

Local Light Pollution (in Riverside) video on YouTube combines outdoor lighting images with narration by kids. Several more videos are listed at [videos.htm](#).



<http://www.bobcrelin.com/author.html>

There Once Was a Sky Full of Stars, a children's book by Bob Crelin, "offers hope and encouragement by describing simple things we can all do to help bring back the stars." Available from [Sky Publishing](#).



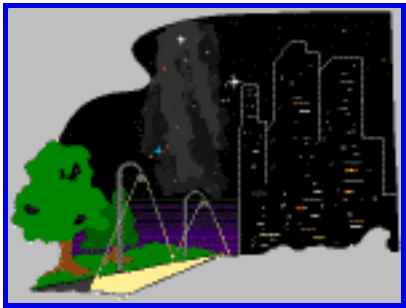
<http://darkskeycamping.googlepages.com/>

Best practices in illumination for the Boy Scouts; dark sky camping and the impact of light pollution on scout camps.



<http://antwarp.gsfc.nasa.gov/apod/ap001127.html>

The earth seen at night shows vast amounts of wasted lighting lost to space.



<http://www.darksky.org/>

The International Dark-Sky Association (IDA) thoroughly addresses lighting issues. There's a lot of material at this website (and it's being renovated), but if you hunt around you'll find good stuff for kids.

- <http://www.darksky.org/programs/george-and-edythe-taylor-student-award.php>
George and Edythe Taylor Student Award "encourages students to explore the worldwide problem of light pollution through science, technology, society, and the environment."
- <http://www.darksky.org/programs/educational-outreach/educational-resources/student-awards.php>
Student contests.
- <http://www.darksky.org/programs/educational-outreach/educational-resources/index.php#>
Educational resources.

www.nctimes.com/articles/2005/04/10/news/columnists/skies_above/15_07_544_9_05.txt

Third-grader offers safe advice about curbing light pollution.

KidArt

Students draw their interpretation of Orion and write an accompanying story.



<http://www.lettherebenight.com/turtles.html>

Turtle Hatch Activity is a dynamic demonstration of how the presence of light pollution affects sea turtle hatchlings. This activity works well with a large group of kids.



14 <http://britastro.org/dark-skies/education.html?20>

Pupil dilation experiments demonstrate the effects of light pollution; from the Campaign for Dark Skies.

www.nightwise.org

