



DeKalb County
School District
Fernbank Science Center

Title: 1314 Pollution Solution
Level: grade 3
Location: local school

Type: Outreach
Length: 45 min
Limit: one class

Program Description:

Today, many of us enjoy plentiful food, clean water from the tap, and power to run our electronic gadgets. Electric lights are one of humans' most powerful inventions. But flooding our environment with light all day and night is harmful to plants, animals and people. Students will explore sources of pollution and evaluate some solutions.

Georgia Standards of Excellence

S3L2. Obtain, evaluate, and communicate information about the effects of pollution (air, land, and water) and humans on the environment.

Vocabulary

| | |
|----------------|-----------------|
| Glare | Energy waste |
| Light trespass | Light pollution |
| Sky glow | Environment |

Pre-Visit Activities

Check out <http://www.youcanseethemilkyway.com/light-pollution/> to see our night time planet. Zoom in on the Atlanta area. Is there any part of Georgia that still has a dark night sky?

Post-Visit Activity

The National Park Service has a quiz to test your night- light knowledge:
<https://www.nps.gov/webrangers/activities/darksky/>

Recycle paper into grow-able greetings: <https://climatekids.nasa.gov/seed-paper/>

Resources:

International Dark Sky Association: <http://www.darksky.org>
Some air pollution solutions: <https://www.earthecclipse.com/pollution/brilliant-solutions-to-air-pollution.html>