



TEACHER  
**Suzanne Banas**

SCHOOL  
**South Miami Middle School**

LOCATION  
**South Miami, FL**



**LESSON MATERIALS**

- Word processor
- Presentation software
- NASA NEO
- NIH ImageJ software

**EXPLORING CLIMATE CHANGE USING  
THE EYES IN THE SKY**

INTENDED STUDENTS  
8th Grade students

DESCRIPTION

This project-based lesson plan aims to explore the many factors that contribute to climate change, their effects, and ways to reduce environmental impact.

LESSON INSTRUCTIONS

- Introduce and demonstrate to students how to use NASA Earth Observations (NEO) and NIH ImageJ
- Have students select 3 images over a period on NEO to animate in NIH ImageJ
- Note environmental changes that occurred in the animation
- Have students create individual reports based on their findings
- Organize students with similar research findings into groups
- Have each group create a presentation that shows their best images and research
- Have groups present their conclusion on the impact of the environmental change



*A unique approach to introducing students to the analysis of environmental change using modern technology.*



**Mark Hoekzema | Contest Judge**