

Grade Level: 2-3

Overview	<ul style="list-style-type: none">o The goal of this lesson is to familiarize the students on how to use Zotero and to teach students how to store pictures and information about the three types of pollution and the effect they have on the environment.o Children will learn how to better care for the environment and how they can protect the world from future pollutants.
Objective	<ul style="list-style-type: none">o By the end of the unit, children will be able to properly identify the three areas on earth where pollution can be found and an example for each.o Children should be able to discuss and explain why it is important to keep our environment clean and recycle.o Students should be able to partake in an in class discussion on what the future earth will be like if we do or do not continue to take care of it properly.
Standards	<ul style="list-style-type: none">o Students will meet Indiana state standards for grades 2-3 in the science section. This lesson will meet the criteria for Standard 4: The Living Environment. Children will learn how different organisms, particularly humans, can affect the environment they live in. (2.4.5)o The lesson will also fit into Standard 3: The Physical Setting. Students will discuss how humans use different things to make electricity and the affect these fuels have on the environment. (2.3.4, 2.3.6.)
Materials	<ul style="list-style-type: none">o Pictures of different forms of pollution, paper, pens, markers, poster board, and garbage bags.
Procedure	<ul style="list-style-type: none">o Introduce the lesson with pictures of air, land, and water pollution. Have students categorize the pictures into the correct pollutant heading.o Discuss with students how our earth becomes polluted and the effects of pollution. Stress the fact that pollution comes from the waste of humans, and that it is our responsibility to stop it.o Discuss how pollutants can affect the health of human beings as well.o Introduce the concept of recycling. Discuss what materials are recyclable. Have students brainstorm other ways to help clean up the environment. (ex: not littering, picking up trash, etc)o Have students decorate signs encouraging the rest of the school to recycle. Go on a class trip around the school to hang their posters up.o Take students around school grounds with trash bags to pick up any garbage they see.o Have students write down a paragraph or two on what they learned about pollution and recycling, what else can be done to stop pollution, and why it is important for their futures.o Possibly have a guest speaker come in to talk to class or take a fieldtrip to a local recycling center and/or dump.
Evaluation	<ul style="list-style-type: none">o Students will be asked to participate in a class discussion after they write their paragraphs.o Students will be scored on their paragraphs and how much they participated in various activities.o Possibly a short quiz on the types of pollution will be given.

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

<http://www.lessonplanspage.com/SciencePollution.htm>

http://teacherlink.ed.usu.edu/tlresources/units/Gallagher2003Fall/PMurray/Pollution%20Unit.htm#Lesson_Plan