



Green Our Planet's School Garden Curriculum

Title: **Do School Gardens Impact the Environment?**

Topic: Do School Gardens Impact the Environment?

Link: <https://www.youtube.com/watch?v=ZTeCM2bgcsM>

Grade Level: 5

Standards: 5-ESS3-1 (at 0:44)

Objectives: (at 1:10)

- Exposure to idea of carbon footprint
- Understand the positive impacts on the environment of having a school garden

Segments:

- Teacher 0:25 – 1:01
- Student 1:02 – 12:44
- Quiz 12:45 – 15:01

Concepts and/or Topics Covered & Vocabulary Notes:

- Heat from large areas of asphalt vs cool from green areas
- Benefits of a school garden
- Local mini farm
- Importance of positive learning area
- Garden as a window into the natural world
- Carbon footprint / global warming
- Plants as pollution filters
- Vocabulary section at end (15:01)

Environment
Impact

Pollution
Global

Carbon Footprint
Hypothesis

- Possible additional vocabulary

Carbon Dioxide

Filter

Topsoil

Nurture

Methodology:

- Nice visuals / photography
- Question (3:21) Is a school garden more important than a parking lot? What other things can a school garden provide?
- Discussion with partner (5:05) If you harvest vegetables from your garden, what percentage of nutrition remains in the vegetables before you eat them?
- Discussion with partner (7:44) What other things can a school garden give us?
- Quiz at end includes open-ended, multiple choice, and true / false questions

Possible Supplemental/Follow-up Activities:

- Next time you are outside, think about where you would plant a fruit tree or a small vegetable garden.