

Earth 911- Become an Eco Hero!

Grades 3-6 (6 book set)

Discover everything you ever wanted to know about the world around you; varied habitats, waste and pollution, climate crisis, and conservation efforts. Become a “change champion” as you learn creative ways to save the world!

Books in This Set: 23 Ways to be an Eco Hero, 51 Things You Can Make With Egg Cartons, 51 Things You Can Make With Paper Plates, 51 Things You Can Make With Cardboard Tubes, 51 Things You Can Make With Cardboard Boxes, 50 Things You Should Know About the Environment

Learning Objectives: To recognize that man’s activities impact the natural environment; we share our environment with other living things both plant and animal, and depend on them to live. Therefore, we need to take care not to damage our natural world.

Essential Questions in This Unit:

- What does it mean to be green?
- How do you define the environment?
- What are the goals of environmental science?
- How does pollution affect our environment?
- How can population pressures and consumption trends contribute to environmental problems?

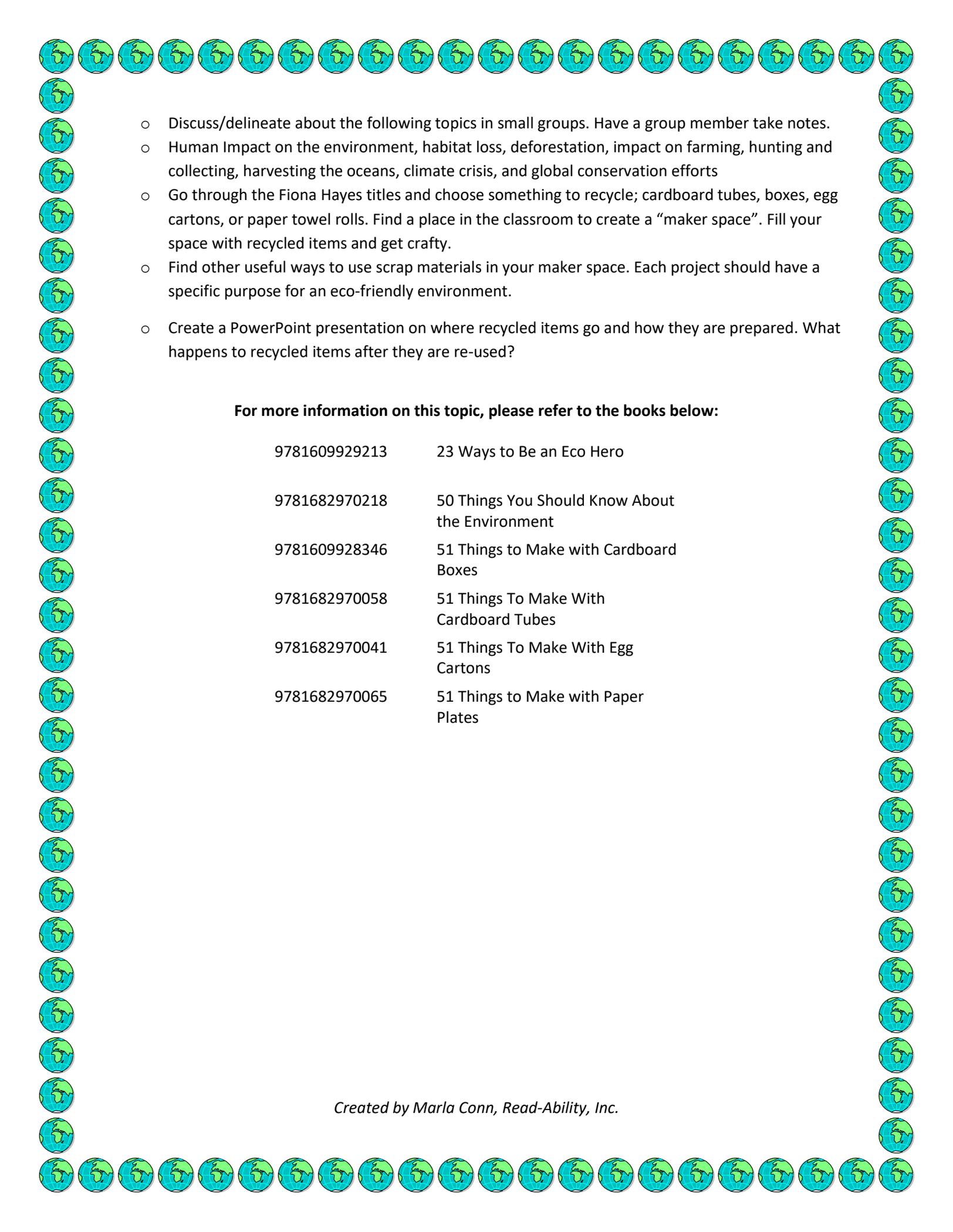
Find examples from *50 Things you should Know About the Environment & 23 Ways to be an Eco Hero*;

1. Why are scientists concerned about cause and effect?
2. To what extent can understanding cause and effect help us solve problems and make decisions?
3. Why should we understand how organisms, places, and ideas have changed over time?
4. How can organisms, places, and ideas change over time?
5. How has this change affected the stability of the Earth?
6. Is the world today a better place than the world of the past? Will our future world be better than today's world?
7. How can technology help us recognize and analyze change over time?
8. Why do people and living things need the natural world?

- 
9. How do organisms affect one another's survival and environment?
 10. What is pollution? What are the different kinds of pollution? How does pollution effect the environment?
 11. What are the consequences of pollution?
 12. How can we reduce pollution?
 13. How are animals and humans harmed by pollution?
 14. How is the land harmed by pollution?
 15. How can pollution result in loss of habitats?
 16. What is recycling?
 17. What items can be recycled and what items cannot?
 18. How does recycling impact the environment? What does it take to recycle?
 19. What happens to items that are not recycled?
 20. What is conservation?
 21. What are ways in which we can conserve our resources in our daily activities?
 22. How does conservation help to save and restore the environment?
 23. Why is conservation important for future generations?
 24. How does technology impact our planet Earth?
 25. How do the authors of books make people aware of real life problems?
 26. Why do you think Fiona Hayes wrote the *51 Things to Make* series?

Activities

- Research-What data supports recycling? How long does it take for certain items to completely go away?
- Write a paper answering the question- How does technology, designed to make our lives more comfortable impact the natural environment in a negative way? Use audio and visual aids for your presentation.
- Plan and design a "Swap Shop" for your school. Write a persuasive letter to the principal tell him/her why this would be positive for the school community.
- How can you be an eco-hero? Write about a creative way that you can save the world.

- 
- Discuss/delineate about the following topics in small groups. Have a group member take notes.
 - Human Impact on the environment, habitat loss, deforestation, impact on farming, hunting and collecting, harvesting the oceans, climate crisis, and global conservation efforts
 - Go through the Fiona Hayes titles and choose something to recycle; cardboard tubes, boxes, egg cartons, or paper towel rolls. Find a place in the classroom to create a “maker space”. Fill your space with recycled items and get crafty.
 - Find other useful ways to use scrap materials in your maker space. Each project should have a specific purpose for an eco-friendly environment.
 - Create a PowerPoint presentation on where recycled items go and how they are prepared. What happens to recycled items after they are re-used?

For more information on this topic, please refer to the books below:

9781609929213	23 Ways to Be an Eco Hero
9781682970218	50 Things You Should Know About the Environment
9781609928346	51 Things to Make with Cardboard Boxes
9781682970058	51 Things To Make With Cardboard Tubes
9781682970041	51 Things To Make With Egg Cartons
9781682970065	51 Things to Make with Paper Plates