



Ecology and the Environment

LESSON PLANS FOR SCIENCE FUSION

Jennifer Westbrook | West Brooke Curriculum | Grades 7-9

SAMPLE

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Abbreviations:

E & E- Science Fusion Ecology and the Environment worktext book

	Day 1	Day 2	Day 3	Day 4
Week 1	<ul style="list-style-type: none"> <input type="checkbox"/> WBC Lesson 1: Introduction to Environmental Science <input type="checkbox"/> WBC Lesson 2: Ecology and Environment <input type="checkbox"/> pp. 2-3 Science Fusion E & E worktext 	<ul style="list-style-type: none"> <input type="checkbox"/> WBC Lesson 3: Watch “Feedback Loops- How Nature Gets its Rhythms” <input type="checkbox"/> Read and interact with E & E Unit 1 lesson 1 Intro to Ecology pp. 4-12 <input type="checkbox"/> Using index cards, make flash cards for vocabulary words 	<ul style="list-style-type: none"> <input type="checkbox"/> Review vocabulary flash cards <input type="checkbox"/> Read and interact with E & E pp. 13-14 <input type="checkbox"/> Lesson 1 Review E & E <input type="checkbox"/> Review reference section of text pp. R1-R25 	<ul style="list-style-type: none"> <input type="checkbox"/> Read: The Living Planet and Earth’s Perfect “Address” From Awake! g 2/09 pp. 3-5 <input type="checkbox"/> Review vocabulary cards <input type="checkbox"/> Review Reference section of text pp. R26-R49
Week 2	<ul style="list-style-type: none"> <input type="checkbox"/> WBC Lesson 4: Watch Energy Transfers <input type="checkbox"/> Roles in Energy Transfer Unit 1 Lesson 2. Read and interact with pp. 18-23 <input type="checkbox"/> Begin making your vocabulary flash cards as you come to the words 	<ul style="list-style-type: none"> <input type="checkbox"/> Review your flash cards; continue to make new ones <input type="checkbox"/> Read and interact with E & E pp. 24-28 	<ul style="list-style-type: none"> <input type="checkbox"/> Review vocabulary flash cards <input type="checkbox"/> E & E Lesson 2 review 	<ul style="list-style-type: none"> <input type="checkbox"/> Read Man against Nature and Intricate Web of Life from Awake! Nov. 22, 2001 pp. 3-9 Answer: In what ways is man pushing species to extinction? <input type="checkbox"/> Review vocabulary

LESSON 2: WHAT IS THE DIFFERENCE BETWEEN ECOLOGY AND ENVIRONMENTAL SCIENCE?

Environmental science is an all-encompassing science that incorporates Earth and Life sciences and how natural processes interact with each other and the effects of changes to the environment on living plants and animals.

Ecology is a more focused discipline. Ecologists study how organisms interact with each other and with their surroundings. They focus their research on specific populations of species and how they survive within their ecosystem.

Learn More:

<http://www.wisegeek.org/what-is-the-difference-between-ecology-and-environmental-science.htm>

NOTE: This is just a sample, even though Science Fusion was written for grades 6-8, these lesson plans have been written for Grades 7-9 for one semester of science.