

Lesson Plan Task Analysis

Terminal Behavioral Objective: Student will be able to create a visual food web given a list of species.
(Synthesis)

Time (approx.)	Task Analysis (with Bloom's)	Teaching Strategy	Student Participation
10 mins	SWBAT list stages of food chain on paper. (Knowledge)	Bellwork and Anticipatory Set	Students write down what they eat (bellwork) and discuss with teacher
10 mins	SWBAT describe in writing what a food chain is. (Comprehension)	Lecture	-Notetaker -Students write down examples on a slate
10 mins	SWBAT identify a food chain in an ecosystem. (Application)	Video and Discussion	-Watch video, write down all examples of food chains they saw, and turn in paper
10 mins	SWBAT identify what food chains a single organism is present in in a written paragraph. (Analysis)	Discussion with students	Discussion with teacher. Students come up with an idea of their own, discuss it with a partner.
10 mins + Homework	Student will draw a food web by analyzing individual species in a list. (Synthesis)	-Modeling of homework -Hand out a list of species	Students work on their homework, creating a visual map.

Required Materials:

- Lecture and Bellwork PPT
- Video demonstrating an ecosystem and food chains
- List of species (one set for teacher, separate set for students)

Arizona High School Science Content Standards:

Strand 1: Inquiry Process

- Concept 2: Scientific Testing
 - PO 5: Record observations, notes, data, etc using a variety of means.
- Concept 4: Communication
 - PO 2 and 4: Produce graphs that communicate data & Support conclusions with logical scientific arguments

Strand 4: Life Sciences

- Concept 3: Interdependence of Organisms
 - PO 1, 2: Identify relationships among organisms within an area & Describe how organisms are influenced by biotic and abiotic factors.
- Concept 5: Matter, Energy, and Organization in Living Systems
 - PO 4: Describe the flow of energy through a food chain

English Language Learner's Standards:

Stage V (Grades 9-12):

- Listening and Speaking
 - Standard 1: LI-5, LI-9, B-10
 - Standard 2: LI-5, LI-6
- Reading
 - Standard 1: B-4
 - Standard 2: LI-4
 - Standard 3: HI-2
- Writing
 - Standard 1: LI-4
 - Standard 3: HI-1, HI-2, HI-6
- Language
 - Standard 2: HI-1, LI-10