

Detailed lesson plan sample: Grade 5 science, food chains

Drafting aid, not an official DepEd form. Adapt to your curriculum guide and required template.

Part	Content
I. Objectives	At the end of the lesson, learners will be able to: (a) identify producers, consumers and decomposers in a local ecosystem; (b) build a food chain of at least four organisms; (c) explain what happens when one organism is removed from a food chain.
II. Subject matter	Topic: Food chains and food webs. Materials: organism picture cards (rice plant, grasshopper, frog, snake, eagle, mushroom), string, chart paper, markers. Reference: your science textbook chapter on ecosystems.
III. Procedure: A. Activity	Teacher: "In your group, sort these cards into two piles: living things that make their own food, and living things that eat other living things." Learners sort the cards and place the mushroom where they think it belongs.
III. Procedure: B. Analysis	Teacher: "Which card was hardest to sort? Why?" Expected: the mushroom, because it does not make food and does not hunt. Teacher: "Where does the energy in the rice plant come from?" Expected: from the sun.
III. Procedure: C. Abstraction	Teacher and learners define producer (makes its own food using sunlight), consumer (eats other organisms) and decomposer (breaks down dead matter). The teacher draws rice plant → grasshopper → frog → snake on the board: the arrow means "is eaten by".
III. Procedure: D. Application	Each group builds a four-link food chain from a rice-field or garden ecosystem with string and cards, then answers: "What happens to the frogs if all the grasshoppers disappear?"
IV. Evaluation	1. Is a rice plant a producer, consumer or decomposer? 2. Name one decomposer. 3. Complete: rice plant → grasshopper → ____ → snake. 4. What does the arrow in a food chain show? 5. If snakes disappeared, what might happen to the number of frogs? Answer key: 1. producer; 2. mushroom (or bacteria); 3. frog; 4. what is eaten by what, the flow of energy; 5. frogs might increase at first.
V. Assignment	Draw a food chain you can observe near your home with at least three organisms and label the producer.