## Food chain lesson plan



" Food Chain Lesson Plan" Week Day Ask the children the leading question " What did you eat for dinner last night?" Ask them to write what they ate as separate ingredients like beef, pasta, bread, rice etc. Then ask them to categorize the food that they ate as: Source of food- Plants or Animals, Fungi (in case of Mushrooms). Introduce the concept of producers- plants, they make their own food by the process of photosynthesis. Introduce the concept of consumers- organisms that eat either the producers or the consumers. Day 2: Categorize consumers as herbivore, carnivore, omnivore, and dentritivore (or decomposers). Ask guestions as: Name the animals which that eat plants. Name the animals that eat other animals. Name the animals that eat both plants and animals. Name the decomposers. Explain the importance of decomposers. Explain why plants are essential for us. Ask them to think what will happen if all the plants from the Earth are removed. Who is going to be affected and why? Is life possible without plants? Day 3: Introduce the concept of food chain. Introduce the concept of source of energy, and how energy flows, sun -> grass-> cow -> human. Day 4: Introduce activity. Provide the students with a set of cards having organisms, plants and animals. Explain them the colour code, write on the board: green = producers, yellow = herbivores, red = carnivores, orange = omnivores, blue = decomposers. Ask them to arrange as per the food chain. Day 5: Introduce the concept of food web. How one animal can be eaten up by some other. Ask them to link the organisms, let them run their imaginations and should come up with the answers. Give them home work to think how animals and plants could be related with each other in one chain or in multiple chains forming a web called food web. Week 2 Day 1: Introduce the concept of energy. Ask the students why there are more grass and trees

Lion	Pine Tree
or composer. (5 points) Horse	
Write on the line next to each picture if it is a ca	·
3 4. Loc	
the three main parts of the food chain. (3 point)	1 2.
chain. (2 point) 2. Define the term food web. (2	point) Fill In the Blanks 3. List
the following questions using a complete senter	nce. 1. Define the term food
complete this assessment. The test is worth 32	points. Short Answer Answer
section of the test and answer completely. You	will have 60 minutes to
Read the	directions carefully to each
Name: Clas	ss:
and ask them to write what they understood. As	ssessment Food Chain Test
about the life in sea. Day 5: Provide the student	s with the assessment sheet
energy in land animals, birds and water animals	s. Thus making them think
Introduce Activity. Ask them to make a food pyr	ramid showing the level of
metabolism and use of energy for their work, gr	rowth and survival. Day 4:
partial energy. Ask them to think and then intro	duce the concept of animal
food pyramid. Introduce the concept saying why	y animals transfer only a
which organism will have more energy and why	. Introduce the concept of
form a hierarchy. Day 3: Ask the students to cor	rrelate with the hierarchy
examples of primary, secondary and tertiary con	nsumers. Let the students
food chain including animals and birds. Ask the	students to come up with
Discuss different levels of consumers (Primary, S	Secondary, Tertiary). Discuss
of energy from one level to another. From produ	ucer to the consumer. Day 2:
rabbits! There are more rabbits than bobcats. Ex	xplain the concept of transfer
then animals? For e. g. there are more grass are	ound and only one or two

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Human	
Bacteria	
Multiple-Choice CIRCLE the co	orrect
answer. Each question is worth 1 point. 5. Which food chain shows the	flow
of energy in an ecosystem? a. Grass? Cow? Human b. Caterpillar? Le	af ?
Hawk c. Cow? Grass? Human d. Soil? Bird? Rabbit 6. Which of the fo	llowing
are only consumers? a. lizards, chipmunks, hawks b. acorns, eagles, so	uirrels
c. grass, eagles, cow d. worm, squirrels, leaf 7. Which of the following	is the
last component of the food chain? a. consumer b. decomposer c. preda	ator d.
producer 8. Why are plants called producer organisms? Because a.	most
plants are last part of food chains. b. green plants eat other plants and	I
insects. c. plants are able to make own food using sunlight d. plants ca	ın get
energy from the soil and water. 9. Why are people and animals called	
consumer organisms? Because a. they have energy by sun and water	er. b.
their bodies do not make their own food. c. they cannot eat any other	living
things. d. people and animals are top part in food chain. 10. Who eats	both
plants and animals? a. carnivores b. herbivores c. omnivores d. compo	sers
11. Which animals only eat plants? a. carnivores b. herbivores c. omniv	vores
d. composers 12. Which animals only eat other animals? a. carnivores	b.
herbivores c. omnivores d. composers Essay 13. In complete sentence	S,
describe the three parts of the food chain and explain two organisms f	or
each part of the cycle. Use no more than two or three sentences to de	scribe
each part of the food chain. (Each part is worth 2 points)	

Food chain lesson plan – Paper Example Pa	age 5
using the diagram below. Include the role of the organisms at each level	in
the cycle. (6 points) Linkage Between les Summary Food is the most	
imperative part of our life. The lesson plan is devised to develop an	
understanding about the dependency of the animals on each other for	
procuring food. The lesson plan comprise of various categories of animal	ls
viz. herbivore, carnivore and the omnivore. The plan encompasses an	
understanding towards the process of degradation that is accomplished	by
the decomposers, the tiny living organisms which are invisible to the nak	<ed< td=""></ed<>
eye. It is also essential to develop a concept related to the flow of energy	y in
the ecosystem. The chief source of energy is the Sun, it is essential for li	fe on
Earth. The concept must be introduced to the students and therefore it is	S
well incorporated in the lesson plan. Moreover, food chain are linked and	ł
thus introduction of food web becomes important. Students must have t	he
concept of the food pyramid and the amount of energy that is present at	Ċ
each level to have a concept- which level is actually having more solar	
energy and which organism gets less solar energy. This is well incorpora	ted
in the plan to provide the students with the concept of flow of energy by	
means of activity in various ecosystems. It is essential to highlight the	
importance of plants for the survival of living beings. The lesson plan is s	<b>50</b>
devised that students must be able to discriminate between various leve	els of
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organisms and between producers and consumers in different ecosystems, land, aerial and aquatic. All these are tried to cover up in the two week duration with hands on the activities to have a complete conceptual understanding. It is essential to develop concepts in science rather than simply remembering the definitions and so ample of activities were given to the students to meet the level of growing awareness and cut-throat-competition. Reference My Science Box. Available at http://www.mysciencebox.org/foodchain/lesson. [Accessed on 20th July 2011].