



**The 4-H & Youth Development Center
AT
Lone Oaks Farm**

What is STEM?

STEM (Science, Engineering, Technology, and Mathematics) is an approach to education that focuses on the hard sciences, develops critical thinking skills, and improves problem-solving abilities.



What happens when we take the concept of teaching STEM and make it look like this



Our Mission for STEM Education

At Lone Oaks Farm, our mission is to provide students of all ages and backgrounds with the opportunity to experience immersive, hands-on moments in nature that not only ignites their curiosity but also makes meaningful connections between the classroom and the world they inhabit.

Our programs are developed using state standards and use agriculture and natural resources as a means to reinforce STEM concepts and serve as an extension of the classroom for educators.

At Lone Oaks Farm, we have developed a model of education that engages teachers and creates special learning opportunities.

- Create Moments
- Inspire Curiosity
- ENGAGE Students

Item Information

Item Code: TNS30336

Passage Title:

Standard Code: 0507.2.1

Passage Code:

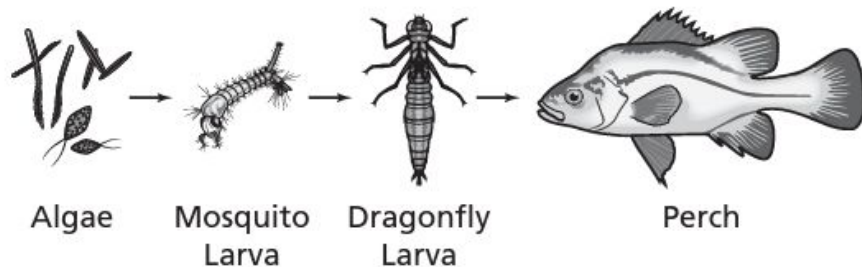
Standard Text: Describe the different types of nutritional relationships that exist among organisms.

Reporting Category: Interdependence, Biodiversity & Change

Correct Answer: B

DOK Level: 2

A food chain from a pond ecosystem is shown below.



The relationship between the algae and mosquito larva is best described as

- A predator and consumer.
- B producer and consumer.
- C parasite and host.
- D producer and decomposer.



Science

Through

Environmental

Moments



**“A Camp Like No Other”:
Incorporating STEM Education
into 4-H Camp**



The 4-H & Youth Development Center

The Sunset Cabins

Tennessee 4-H Mission

The mission of Tennessee 4-H is to provide research-based Extension educational experiences that will empower young people to gain knowledge, develop life skills, and form positive attitudes to prepare them to become capable, responsible, and compassionate adults.

