

# LESSON PLAN

Topic: Amputation

KERA Goals	Goal 1
Accessing Sources of Info	*
Reading	*
Observing	*
Listening	*
Quantifying	
Computing	
Visualizing	*
Measuring	
Mathematical Reasoning	
Classifying	
Writing	
Speaking	
Visual Arts	
Music	
Movement	
Using Electronic Tech.	
	Goal 2
Nature of Scientific Activity	
Patterns	*
Systems and Interactions	*
Models and Scale	
Constancy	
Evolutionary Change	
Number	
Mathematical Procedures	
Space and Dimensionality	
Measurement	
Change	
Mathematical Structure	
Date	*
Democratic Principles	
Political System	
Social Systems	
Cultural Diversity	
Economic Systems	*
Geography&Human Activity	
Historical Perspective	

**Background:** Amputations affect 1 in 9 agricultural workers. The common causes are entrapment in machinery, crushing, and infection after injury occurs.

**Objectives:** For the student to recognize the prevalence of amputation within agricultural occupations and be able to perform the following tasks:

- identify at least three farm-related incidents that may cause amputation
- name key safety rules for prevention of limb loss
- evaluate four ways limb loss affects quality of life

**Situation Development:** Things to be brought out by the teacher in discussion to generate interest in the lesson: (See fact sheet.)

- Do any of you know of a farming incident in which limb loss occurred?
- What do you think is the most common type of incident that leads to amputation?
- What are some effects of amputation? How would it change your life?

**Problem Statement:** Identify the lesson topic and what the students will be answering in their activities.

- What are the leading causes of amputations in the agricultural industry, and how might we prevent them?

**Analysis:** Things to consider in analyzing the topic and reaching the conclusion:

- simple statistics related to amputation in agricultural occupations
- identification of common causes of farm-related incidents leading to amputation
- effects of amputation on lifestyle, economic situation, community, and future
- prevention of farm-related incidents leading to amputation

Interpersonal Relationships	
Production	
Analysis of Forms	
Aesthetics	
Cultural Heritage	
Cultural diversity	
Language	
Second Language	
Family Life/Parenting	*
Consumerism	*
Physical Wellness	*
Mental/Emotional Wellness	
Community Health Systems	
Psychomotor Skills	*
Lifetime Physical Activities	
Career Paths	
Employability Attributes	*
Post-Secondary Options	
	Goal 3
Positive Self-concept	
Healthy Lifestyle	*
Adaptability/Flexibility	
Resourcefulness/Creativity	
Self-control/Self-discipline	*
Ethical Values	
Independent Learning	*
	Goal 4
Interpersonal Skills	*
Team Membership	*
Consistent, Caring Behavior	
Rights & Responsibilities	*
Multicultural/World View	
Open Mind	
	Goal 5
Critical Thinking	*
Creative Thinking	
Conceptualizing	
Decision Making	*
Problem Solving	*
	Goal 6
Multiple Perspectives	*
Developing New Knowledge	
Expanding Knowledge	*

**Directed Study:** Listed below are activities that will present the concepts of amputation. Choose the activities that best fit your time restraints, student abilities, and resource availability. Student reference sheets are included which give information about amputations. Duplicate these, and use as a reference when conducting the activities.

- Narrative Simulation
- Physical Simulation
- Supplemental Activities:  
Case Report  
Group Role Play  
Guest Speaker

**Group Conclusion:** After completion of the activities, the teacher will lead in discussion of the topic with the class, approaching the points outlined in the analysis. The students should provide information and knowledge as gained from the activities and reference materials.