

CASE

*Curriculum for Agricultural
Science Education*

Principles of Agricultural Science – Animal

Guidelines for Using Animals in Education

Unit 3 – Lesson 3.1 Animal Rights or Animal Wrongs?

Principle 1 – Intrusion

- Not intrusive – encouraged for all classes of organisms.
 - Does not interfere with animal health, well-being, or cause discomfort.
- Intrusive – only when deemed appropriate.
 - Use plants if possible.
 - Use invertebrates with no nervous system.
 - Use vertebrates only when required and only under recommended conditions (See Slide 11).

Principle 2 – Supervision

- Animal studies should only be conducted under careful, knowledgeable, and experienced supervision.

Principle 3 – Daily Care

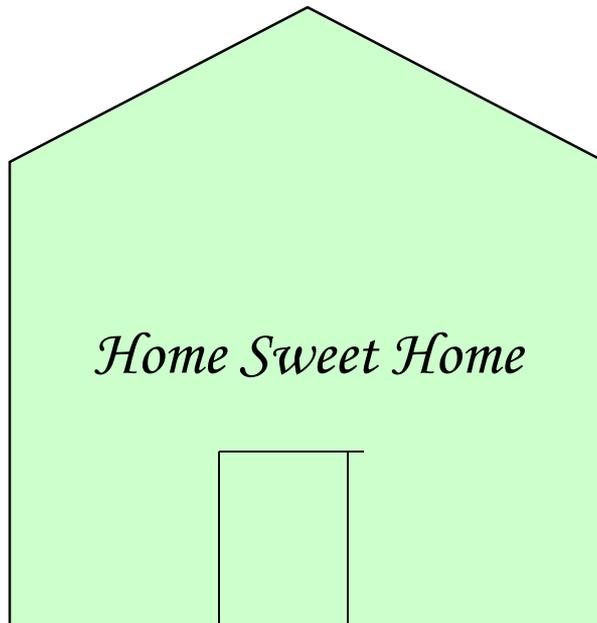
- Proper care for animals must be provided daily
 - Nutritious food
 - Clean, fresh water
 - Clean, spacious housing
 - Appropriate temperature and lighting

Principles 4 and 5 – Health

- Animals should be healthy and disease free.
- Veterinary care should be provided when needed.
- Students and teachers should report all injuries, allergies, or illnesses immediately.
 - Includes scratches and bites

Principle 6 – After the Lab

- Have a plan for the animal after labs are complete.



Principle 7 – Side-effects?

- No experiments that:
 - cause pain or discomfort or interfere with the health or well-being of an animal
 - induce nutritional deficiencies or toxicities
 - expose animals to disease or injury causing agents.

If it hurts you, it hurts them!

Principle 8 – Poultry Abnormalities

- Experiments on avian embryos that might result in abnormal chicks or in chicks that might experience pain or discomfort shall be terminated 72 hours prior to the expected date of hatching.
- The eggs shall be destroyed to prevent inadvertent hatching.

Principle 9 – Conditioning

- Behavioral conditioning
 - No aversive stimuli
 - Never withhold water
 - Food withholding for as short of time possible, never more than 24 hours

Principle 10

- Create a plan for conducting experiments including:
 - A hypotheses
 - A summary of what is known
 - A justification for the use of the species selected and consideration of why an alternative cannot be used
 - A detailed description of the methods and procedures

References

Institute for Laboratory Animal Research.
(2006). *Principles and guidelines for the use of animals in precollege education*.
Washington D.C.: The National Academies.