

Unit: 3

Lesson Name: 3.1

Presentation on: Guidelines for using Animals in Education

Notes from Presentation:

#### 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

#### Supervision

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

#### Daily Care

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

#### Health

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

#### After the Lab

- Have a plan for the animal after labs are complete

#### Side-effects?

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

#### 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 date of hatching
- The eggs shall be destroyed to prevent inadvertent hatching

#### Conditioning

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

## Principal 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 and alternative con not be used
  - A detailed description of the methods and procedures



List 5 key points that are important to remember from this presentation.

1. Daily care
2. Health
3. Supervision
4. Side-effects
5. Intrusion

List 3 ideas or concepts that this new information has in common with previous things learned.

1. Conditioning / Behavioral
2. You have to create a plan before/ after each experiment
3. You need a plan for the animal after the lab is complete

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.

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