

# Using CamClickr, an On-line Citizen Science Project, to Teach Observation and Quantification of Animal Behavior

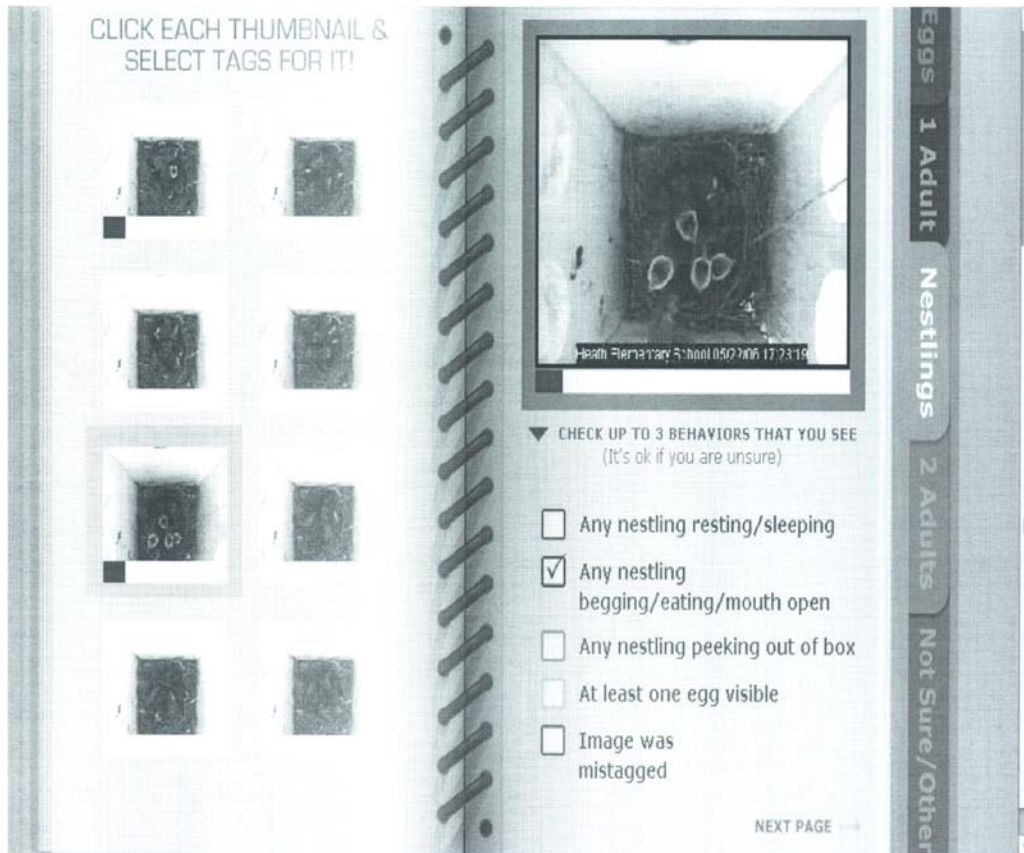
- **Passion meets real world**
  - challenges to teaching observation
- **Logistical**
  - IACUC permissions and facility limitations
  - housing captive animals
  - observing wild animals
- **Conceptual**
  - complexity of behavioral repertoires
  - inexperienced students confound observations through vague and subjective descriptions

# Student Constructed Concepts

- Bias from sensory modality
- Define
  - Structural descriptions
  - Consequence descriptions
  - Relational descriptions
- Quantify
  - Sampling
    - Focal
    - Scan
- Organize/Report
  - Ethograms

# Student Inquiry: CamClickr

[www.camclickr.org](http://www.camclickr.org)



- Questions
  - cue for gaping
- Hypothesis
  - change in light level
- Data
- Inferences
- Additional questions