

Citizen Science at Comstock STEM Academy: Participating in NestWatch with Kellogg Biological Station's GK-12 Program

1) Install Nest Boxes





Research Questions

Main Question: How often do bird nest attempts fail? (Nest attempt = a clutch of eggs attains fledging)

- 1) What are the most common causes of nest attempt failures?
- 2) Is there a relationship between nest location and failure rate?

3) Is there a relationship between species and failure rate?

Note: Success = at least one chick fledges per nesting cycle.

Protocol for Monitoring Nests

- 1. Find a nest.
- 2. Remember where the nest is located (use Data Sheet)
- 3. Create a new NestWatch nest site (online: NestWatch.org)
- 4. Check the nest every 3-4 days
- 5. Add a Nest Attempt as soon as you have evidence of eggs or offspring.
- 6. Establish a species-specific visit schedule to avoid incubation and to "hit" the fledge date
- 7. Visit the nest one more time after you are sure it is empty.
- 8. Record your observations (each nest visit on Date Sheet)
- 9. Enter nest summary information (end a nesting attempt).
- 10. Estimate or Record Direct Observations of: First Egg Date, Hatch Date, Fledge Date

11. Add an Attempt if the bird pair lays another clutch of eggs 12.Repeat from step 6











Using Nest Boxes to Study Birds

NestWatch Code of Conduct

- 1. Learn about the nesting cycle of birds Read the NestWatch Manual
- 2. Plan and prepare for nest visits
- 3. Choose appropriate times to visit nests
- 4. Search carefully
- 5. Approach nests with care
- 6. Minimize disturbance at the nest
- 7. Do not handle birds or eggs
- 8. Don't leave a dead-end trail.
- 9. Respect private land.
- **10. Understand the Migratory Bird Treaty Act**
- **11. Get Certified** to Monitor Nests
- 12. Create your NestWatch Account









Free Birds



Preliminary Results









