Week 5

Get Ex. 13a (Project hypos) stamped

Article Dissections

For every article you read, answer these Qs:

- What are the main objectives and/or the main research questions of this article?
- What are the main conclusions of this article?
- What are the main lines of evidence that the authors use to support their conclusions? You should refer to figures and tables AND other articles cited by the authors here.
- What are the major strengths of this article?
- What are the major weaknesses of this article? Example: could the study itself have been more thorough or better designed?
- From memory, what are the ‘take home messages’? If you cannot do this at this point, you should retrace the above steps until you can.

Scientific Reading Guide c-pack pp 53-54
Outline of the day

• ALL about YOUR projects!

Google Drive

• Word
• Excel
• Ppt
• Chat/IM
• Storage (pdfs, pix)

• At the moment editing
• Multiple users at the same time (different locations)
• Saved “in the cloud”
• Versions and edits saved
• Individual accountability
Section 1, 2, 4 - LB144 research

*Bird Foraging Behavior*

What cool ideas did you come up with?

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**LB145 research**

*Birds at the MOLECULAR level*

How will you get DNA?

[MSU's Burke Lake Banding Station](https://www.msu.edu/)
Ex 13b: Questions and Hypotheses

1. Start by sharing Ex 13a with your team
2. Use your resources
   1. Article from dissection
   2. Notes/c-pack
   3. Web research
   4. Scientific literature
3. Decide on a research question that your team will try to answer this semester – share with your instructors
4. Once Q approved, develop associated hypos and preds
5. Score yourselves using the hypothesis score card - share with your instructors
6. Begin Ex 14 – conduct a lit review, make a team gameplan

Homework

- **Read**: scientific literature for your project
- **Complete**:
  - Ex 14 – **as a team**
  - CATME survey: will receive email Thurs midnight, must be completed by midnight Sunday
  - Ex 9 – AFTER you receive your report from CATME via email (Mon/Tues)

  Exercise 1 due November 14 – see pre-approved seminar list on class website
Section 3, 5, 6 - LB144 research

*Freshwater Benthic Ecosystems*