Education Team

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Education and Outreach Goals

K-12 Lessons

• Possible topics – birds
  – Flight
  – Migration
  – Orientation/Navigation
  – Avian Life History

• Other topics - research
  – Energy Harvesting
  – Sensors
  – Metabolic Pathways
  – Others?

General Public Web Site

• To accompany
  *Handbook of Bird Biology, 3rd edition*
K-12 Lessons

Progress to Date

• Revised and edited hands-on flight lessons
  – Introduction to Flight
  – Newton’s Laws
  – Wings and Wing Loading

• Identified video specimens from Macaulay Library
  – Galatee Films Footage from *Winged Migration*

[Macaulay Library Link: http://macaulaylibrary.org/physics]
K-12 Lessons

Future Plans

• Draft new lessons
  – Migration
  – Orientation
  – Technology
  – Physiology
• Create dissemination strategy
• Publish to web

(Temporary URL)

testcontent.ornith.cornell.edu/education2/labonabird
Handbook of Bird Biology
Resources for Companion Web Site

- Relevant Chapters
  - Migration and Dispersal
  - Flight
  - Physiology
  - Others?

http://birds.cornell.edu homestudy
Handbook Website Progress

- Migration and Dispersal
  - Spreadsheet detailing possible illustrations and interactives
  - Being reviewed by chapter authors and book editors
  - Web developer building framework
  - Content authoring will begin soon

New videos, interviews, and interactives
Links to relevant resources on the web
New small quizzes and animations
Your Collaboration Requested

• Available images and video footage
• Upcoming filming opportunities
• Opportunities to videotape visiting collaborators
• Other ideas?