

## RESOURCES: Using Birds to Study our Local Environment

### Lesson 1

<https://www.pinterest.com/hilaryinwood/book-making-techniques/>

<http://www.jensalmstrom.se/diy/popuppaper.html> Map folding technique

### Lesson 5

VROC (<http://www.vroc.ca/vroc/en/experts-on-demand-sign-up/>),

### Lesson 6

[https://d3dqsm2futmewz.cloudfront.net/docs/explorers/lesson\\_plans/1\\_%20evapotranspiration.pdf](https://d3dqsm2futmewz.cloudfront.net/docs/explorers/lesson_plans/1_%20evapotranspiration.pdf)

### Lesson 7

[https://d3dqsm2futmewz.cloudfront.net/docs/explorers/lesson\\_plans/3\\_birds.pdf?x89970](https://d3dqsm2futmewz.cloudfront.net/docs/explorers/lesson_plans/3_birds.pdf?x89970) Lesson modified from this resource

[https://chainreactionkids.org/files/issues/4/chreact4\\_p16\\_17.pdf](https://chainreactionkids.org/files/issues/4/chreact4_p16_17.pdf) Link to article that provides an opportunity for students to ask questions about why/how birds find a suitable habitat.

### Lesson 8 Beak design challenge

**Videos** Gull drops shell to break it <https://www.youtube.com/watch?v=zUpWuTfkXyk>

How gannets eat their prey?" <https://www.youtube.com/watch?v=Fh7fYmTgYPo>

<http://www.birds.cornell.edu/physics/lessons/elementary/pdfs/tm>

### Lesson 9 Owl pellet dissection

Bone charts can be found here: [https://www.biologycorner.com/resources/Owl\\_Pellet\\_Bone\\_Chart\\_grid.pdf](https://www.biologycorner.com/resources/Owl_Pellet_Bone_Chart_grid.pdf)

Cherry, Lynne. *Flute's Journey: The Life of a Wood Thrush*. Harcourt Brace, San Diego, CA; 1997.

Sobel, David. *Mapmaking with Children: Sense of place education for the elementary years*. Heinemann, Portsmouth, NH, 1998. This book is a wealth about the developmental progression of map making skills in children. A variety of ideas regarding placed-based learning are provided.

Joanne Oppenheim and Barbara Reid. *Have you seen birds?*

Bird Identification apps (most have are free or have free versions)

#### Merlin Bird ID app – Instant Bird Identification Help for 750+ North ...

<http://merlin.allaboutbirds.org/>

Merlin offers quick **identification** help for beginning and intermediate **bird** watchers to learn about North America's most common **birds**! Phones with **App** Screens ...

#### Merlin Bird ID by Cornell Lab - Android Apps on Google Play

<https://play.google.com/store/apps/details?id=com.labs.merlinbirdid.app&hl=en>

What's that **bird**? Merlin **Bird ID** helps you solve the mystery in 5 questions, or with a photo of a **bird**. First, Merlin asks you a few simple questions. Then, almost ...

#### Merlin Bird ID by Cornell Lab of Ornithology on the App Store

<https://itunes.apple.com/us/app/merlin-bird-id-by-cornell-lab-of-ornithology/id773457673?mt=8>

4 days ago ... What's that **bird**? Merlin **Bird ID** helps you solve the mystery in 5 questions, or with a photo of a **bird**. First, Merlin asks you a few simple ...

#### Audubon Bird Guide App | Audubon

<http://www.audubon.org/apps>

Audubon **Bird Guide**: North America is an outstanding mobile field **guide** resource completely updated to the current AOU checklist. The **app** includes 821 ...

#### The Best Birding Apps And Field Guides | Audubon

<http://www.audubon.org/news/the-best-birding-apps-and-field-guides>

Aug 4, 2015 ... Much like the field guides above the goal of these **apps** is to help you **identify** an unknown **bird**. However, these **apps** take a more active role in ...

Chris Fisher and Gary Ross. Ontario Birds. Lone Pine Publishing (1996)

David M. Bird (ed). Birds of Canada. DK Publishing (2010)

J. Diamond (Ed): Galapagos finches: Famous beaks p. 121 *IN*: Virus and the whale: Exploring evolution in creatures small and large NSTA Press, Arlington, Virginia

<https://www.learner.org/jnorth/tm/robin/WindowBonk.html> Help! A robin is hitting my window! Article about robins protecting nests and crashing into windows

This a magazine put out every year featuring student investigations into birds. Sort of like a journal, but written by students. <http://www.birdsleuth.org/student-publication/>

Neal, B., Baxter, J., Bassage, S., McLinn, C., (2009) AMAZING BIRDS Copyright © by Cornell Lab of Ornithology and Wayne-Finger Lakes BOCES.

<http://www.birds.cornell.edu/physics/lessons/elementary/pdfs/tm>

Journey North American Robin <https://www.learner.org/jnorth/tm/robin/indexCurrent.html> Accessed August 29, 2017

Chiavarone, K., (2016) Build a Nest: Stem Challenge for Kids <http://viewsfromastepstool.com/build-a-nest-stem/> Accessed August 29, 2017. This article is aimed at younger children but features some literacy and material ideas.

Stokes Seeds has seeds for flowers that make nectar (for hummingbirds) and sunflower seeds that produce seeds for birds to eat. <https://www.stokeseeds.com/> **Call Toll Free:** 1-800-396-9238