

ENVIRONMENTAL APPS FOR PLACE-BASED LEARNING

Testing and Implementation

PLACE-BASED LEARNING

- Important for Indigenizing classrooms and for building context for learners
- Helps learners find a sense of place, and a place in their community
- Based on the history (both natural and cultural), landscape, communities, and biodiversity of a place
- How is biodiversity knowledge imparted in the modern colonial age?

OUR MISSION

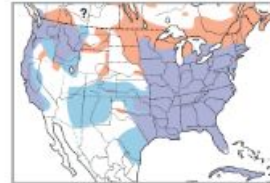
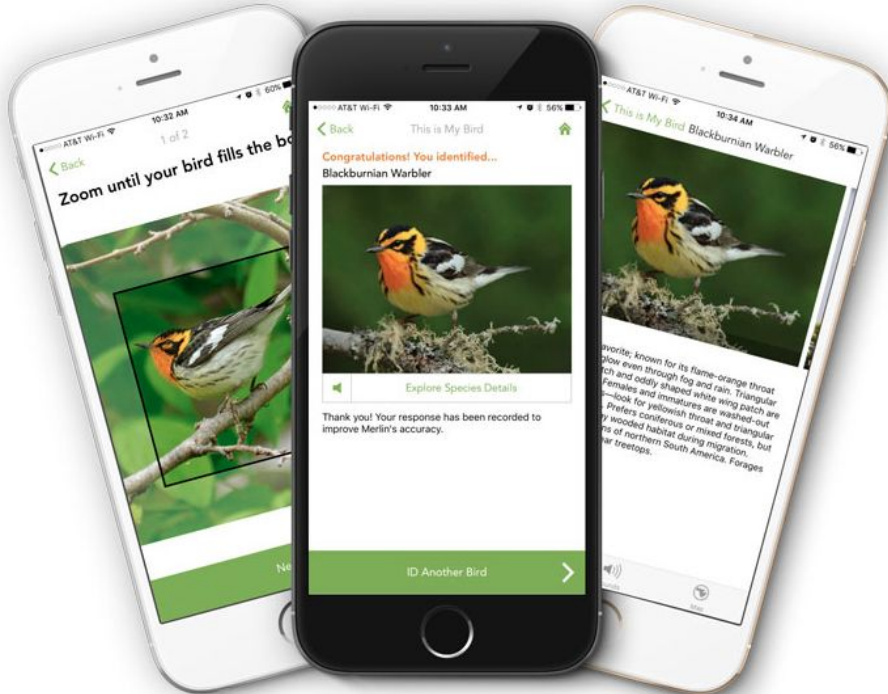
- Try some apps that get students outside and learning about the world around them
- Find what works, what doesn't, and what it'll cost you!
- Come up with activities to tie them into the curricula and core competencies for diverse subject areas

LET'S GET OUTSIDE AND TRY SOME APPS!



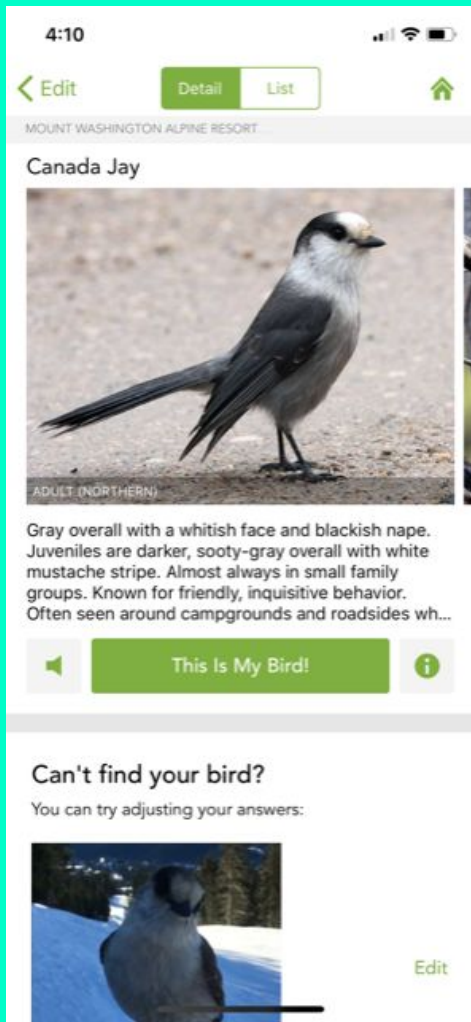
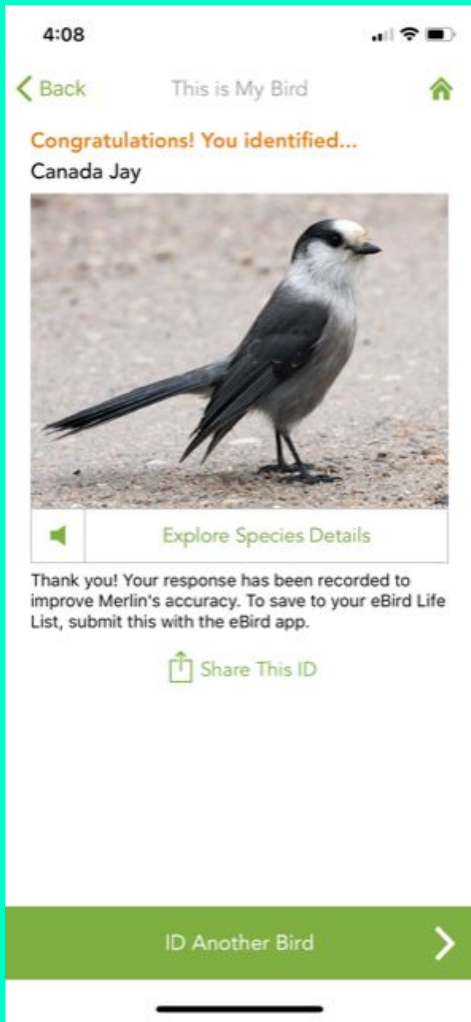
Photo by Sheila Brown on [FreeDomainPictures.net](https://www.FreeDomainPictures.net)

MERLIN BIRD ID AND EBIRD



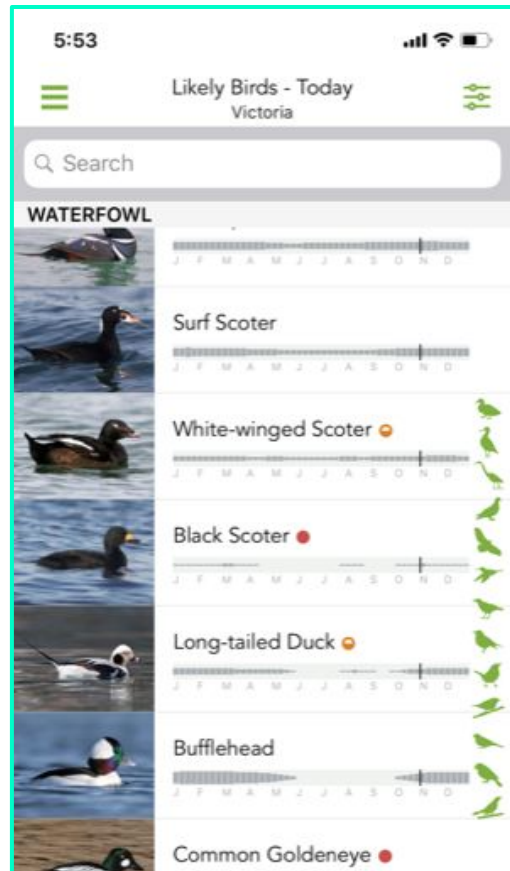
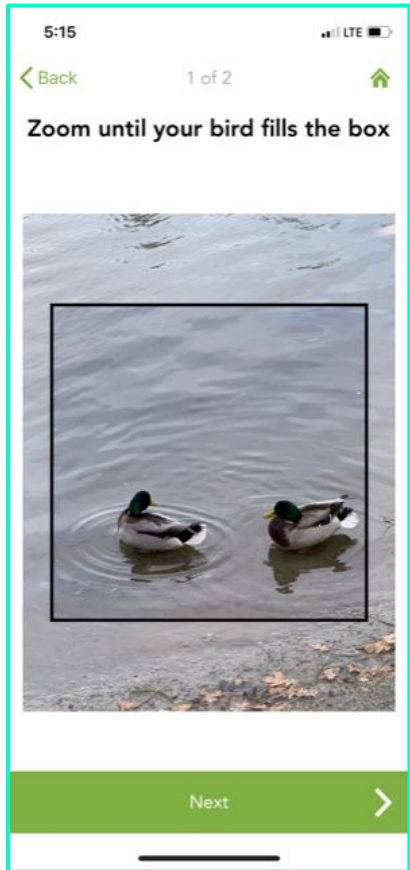
 Male Calls
0:03 0:09
Recorded by: George D. Baynard
Location: New Jersey, United States, November 1957

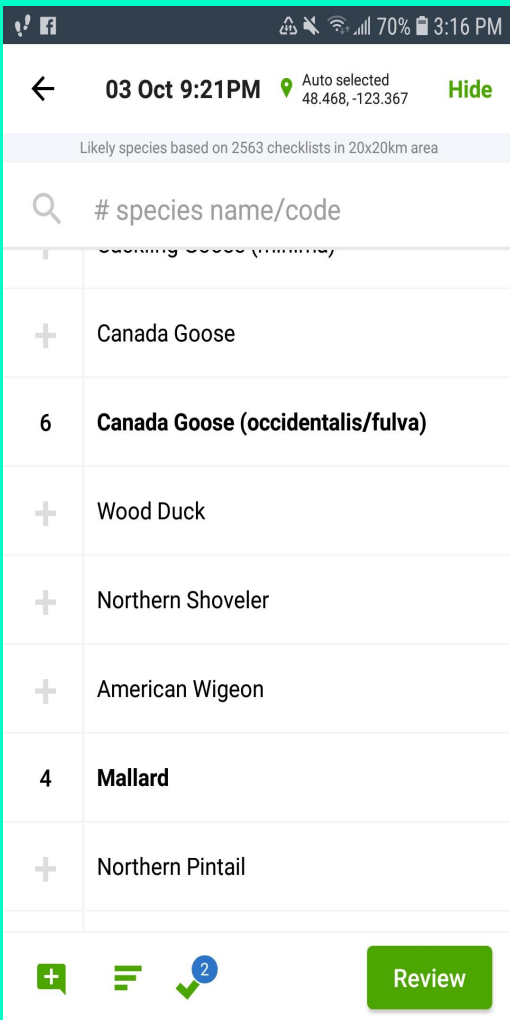
 Female calls



Identify local birds in your area and add successful identifications to the eBird database

Learn facts about the birds, where they are found and what sounds they make

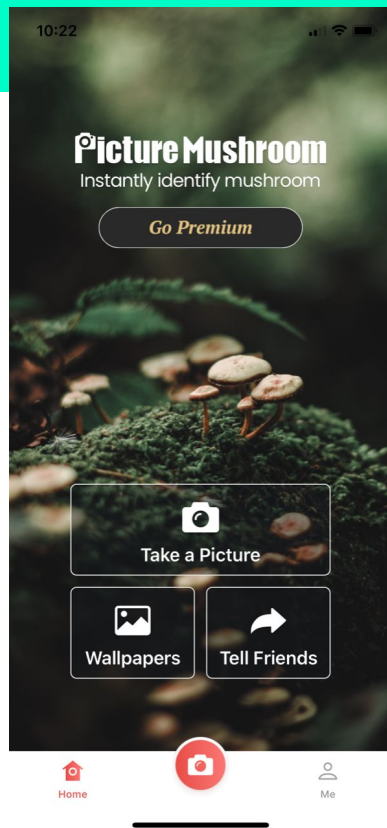




Use eBird app to keep track of which birds you see, how long you were out, and where you were!

Use the database to find great birding spots in your neighbourhood!

PICTURE MUSHROOM





Best match:



Red belted conk, a species of **Bracket polypores**

Also known as: Red-banded bracket, Red-banded polypore, Red belt conk

Scientific name: *Fomitopsis pinicola*

⚠ Attention

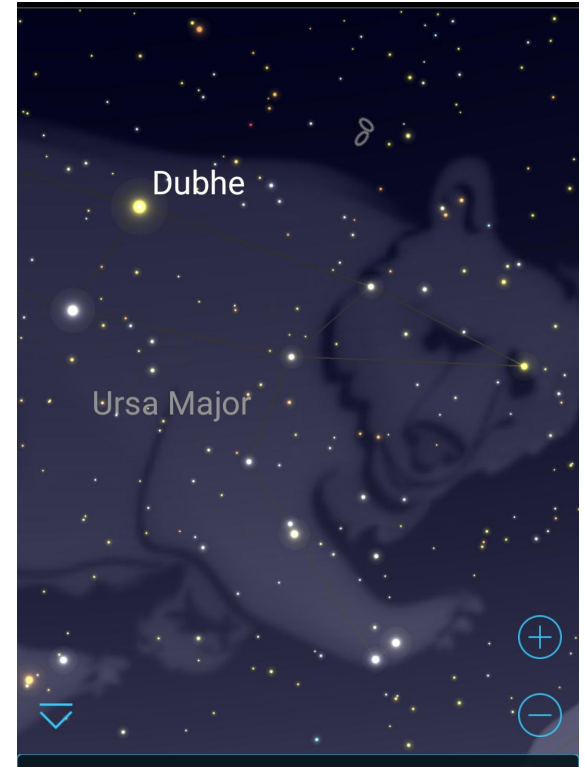
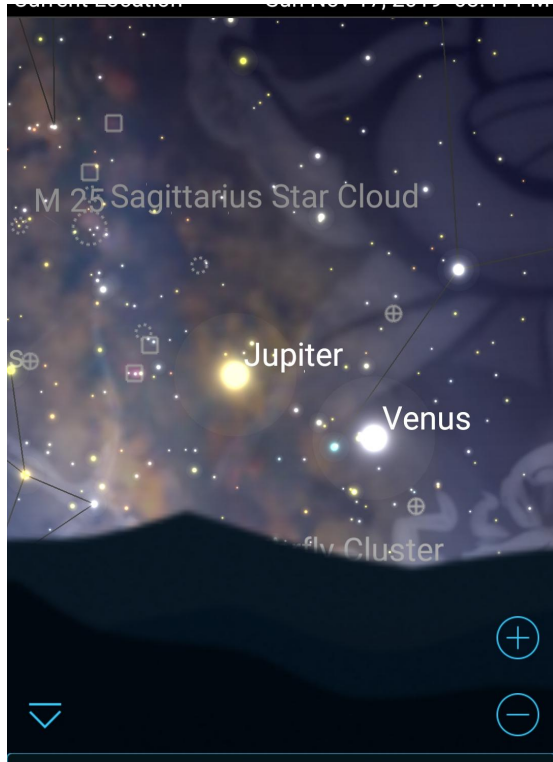
Content feedback CAN NOT be used as any basis for EATING ANY MUSHROOM. Some mushroom can be VERY POISONOUS, please purchase edible mushroom through regular channels.

Might also be:



Identify local fungi and learn about their unique traits!

SKYSAFARI STARGAZING APP



Current Location Sun Nov 17, 2019 03:41 PM

M 25 Sagittarius Star Cloud

Jupiter

Venus

fly Cluster

Sun Nov 17, 2019 03:41:57 PM

1 Month Now

Cosmos Search Selection Settings Time Compass Tonio

Object Info

Uranus

Uranus is the seventh planet from the Sun, and was the first to have been discovered in recorded history. It is unique because its rotational axis is radically tilted towards its orbital plane, and its moons also have orbits that are tilted with respect to Uranus's orbital plane.

[Uranus in true and false color \(left and right\), as seen by the Voyager 2 spacecraft. \(JPL/NASA\)](#)

History and Mythology

Uranus had been observed on many occasions before its discovery as a planet, but it was generally mistaken for a star. The first astronomer to realize

Center Data

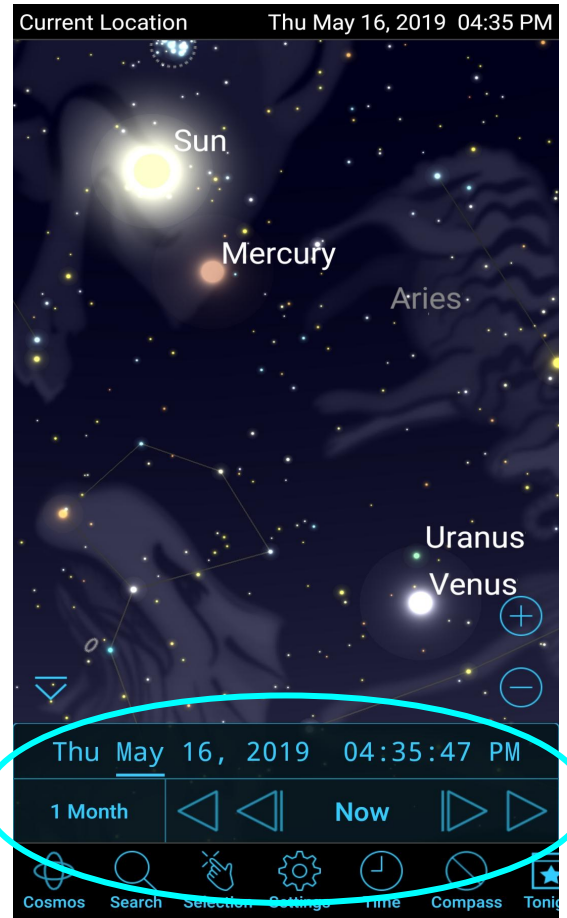
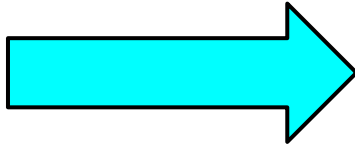
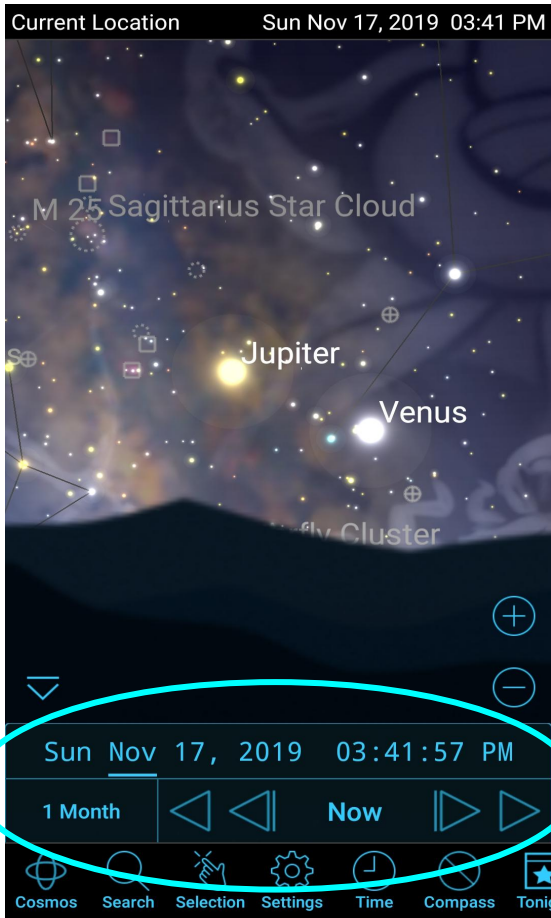
Tonight at a Glance

	Sun in Taurus Rises:05:31 AM Dawn: 03:01 AM	Dist: 1.01 AU Sets:08:48 PM Dusk: 11:20 PM
	Moon in Virgo Rises:06:18 PM New: Jun 03	Dist: 374447 km Sets:04:53 AM Full: May 18
	Mercury in Aries Rises:05:21 AM	Dist: 1.32 AU Sets:08:16 PM
	Venus in Aries Rises:04:45 AM	Dist: 1.52 AU Sets:06:30 PM
	Mars in Gemini Rises:07:30 AM	Dist: 2.34 AU Sets:11:46 PM
	Jupiter in Ophiuchus Rises:10:49 PM	Dist: 4.38 AU Sets:07:16 AM
	Saturn in Sagittarius Rises:12:47 AM	Dist: 9.43 AU Sets:09:23 AM
	Uranus	

Use the Compass function to link to your GPS and explore the sky any time of day.

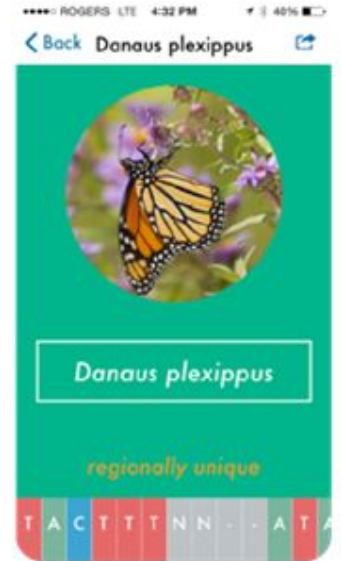
Use the Selection tool to find information about any object in the sky!

Find out what is visible tonight & get notifications about cool events!



Go back or forward in time to find out where the stars and planets will be!

LIFESCANNER



Find out what species are in your backyard & use DNA barcoding to ID your own specimens!

REFERENCES

- Gruenewald, D. A., & Smith, G. A. (Eds.). (2014). *Place-based education in the global age: Local diversity*. Routledge.
- Johnson, J. T. (2012). Place-based learning and knowing: Critical pedagogies grounded in Indigeneity. *GeoJournal*, 77(6), 829–836.
- Lifescanner.net (Images copyrighted. Do not redistribute).
- Smith, G. A. (2002). Place-based education: Learning to be where we are. *Phi Delta Kappan*, 83(8), 584–594.