

Video 1: Introduction and Bird Identification

The first lesson briefly goes over the history of Audubon and what we do. Then we go over what make birds unique and how to identify them.

Link to Video 1: Introduction and Bird Identification

<https://youtu.be/Mb2-qM0vrNI>

Link to identify bird for the writing activity: <https://ny.audubon.org/birds-0/birds-conservation-concern>

Follow up Activities:

1. In preparation for the next lesson, familiarize yourself with these 15 common birds.
 - <https://www.audubon.org/news/get-know-these-15-common-birds>
 - What do they look like? What do they sound like?
2. Audubon Adventures: Get to Know Birds (PDF attached)

Video 2: Neighborhood Bird Walk

The second lesson is the Neighborhood Bird Walk. We start by briefly reviewing how to identify birds and what field marks are. Then we talk about where to look for birds and how to see birds if you cannot go outside.

1. Link to Video 2: Neighborhood Bird Walk

<https://youtu.be/WUU-r7-0B98>

2. Links

- How to Use Binoculars Video (2 minutes):
https://watch.topic.com/episodes/AW_R-M4mHOQWBhNhun3z
- Cornell FeederWatch Camera (for activity):
 - If there are no birds on the live camera during the time the student is watching, they may use the section we recorded of the live camera (starts around 14 minutes in video)
<https://www.allaboutbirds.org/cams/cornell-lab-feederwatch/>

3. Additional resources mentioned in the video:

- Audubon online bird guide: <https://www.audubon.org/bird-guide>
- Audubon Bird Guide App: <https://www.audubon.org/app>
- Merlin App: <https://merlin.allaboutbirds.org/>
- iNaturalist website (has app info): <https://www.inaturalist.org/>

4. Additional Activity (optional)

- Look at the Panama Fruit Feeder live camera
 - <https://www.allaboutbirds.org/cams/panama-fruit-feeders/>
 - Compare the Panama Fruit Feeder and the FeederWatch camera.
 - What kind of birds do you see? Are they the same at both feeders?
 - What are the birds eating?
 - How are the habitats different?

Video 3: NYC's Pigeons

The third lesson is about NYC's Pigeons. In this lesson, students will learn all about pigeons: fun facts, pigeons in history, color morphs, and courting behaviors. Hopefully by the end of the video students will have a new view on this underappreciated bird.

1. Link to Video 3 - NYC's Pigeons: <https://youtu.be/vPTR170RycU>
2. Links Mentioned in Video
 - Watch Courting Behaviors
 - Tail Dragging: https://macaulaylibrary.org/asset/201866641#_ga=2.64581677.387785450.1584983520-209420145.1584983520
 - Bowing and Turning: https://macaulaylibrary.org/asset/201076501#_ga=2.130112397.387785450.1584983520-209420145.1584983520
 - Driving: https://macaulaylibrary.org/asset/201454541#_ga=2.38042401.387785450.1584983520-209420145.1584983520
3. Resources For Activities
 - Activity 1: Pigeon Morphs
 - Attachments: Pigeon Morphs Work sheet (blank), Pigeon Color Morphs Key (answers)
 - Activity 2: Pigeon Watch
 - Attachments: Pigeon Watch Checklist, Pigeon Coloring Sheets
 - Pigeon Live Cam: <https://www.pigeonrescue.org/birds/birdcams/>

Video 4: Migration

The fourth lesson is about Migration. In this lesson, students will learn why birds migrate, the dangers of migration, and how they migrate. Spring migration is an exciting time and it is happening now!

1. Link to Video 4 - Migration: <https://youtu.be/F6jNs6YiYnk>
2. Links Mentioned in Video
 - Live Migration Map: <https://birdcast.info/live-migration-maps/>
3. Resource For Activity
 - Migration Stories Game: <https://www.audubon.org/news/game-follow-birds-migration-story>
4. Additional Activities:
 - a. DIY Window Decals: <https://ny.audubon.org/conservation/how-create-window-decals-prevent-bird-collisions>
 - b. Mission Migration Game: http://www.audubonadventures.org/migration_game/index.htm
 - c. Audubon Adventures: Migratory Birds (Attachment)

Video 5: Flight

The fifth lesson is about Flight. In this lesson, students will learn why birds fly and what adaptations they have that enable them to fly. In addition, they will learn about four different wing types and how they fly.

1. Link to Video 5 - Flight: <https://youtu.be/-bafvL6MGI>
2. Journal Writing
 - a. WRITE: Imagine you are a bird flying. Write your story and be as creative as you want, but make sure to include the following.
 - i. What species you are. *Students can use the attached Field Guide to pick a bird.*
 - ii. Why you are flying.
 - iii. What adaptations you use for flying.
 - iv. What type of wings you have.
 - b. DRAW: Draw your bird in flight! Remember to label your picture with the species name and the wing type.
3. Activity (optional)
 - a. Make a paper airplane that corresponds to one of the four wing types. Or make all four different paper airplanes if you have time. *Attached are the paper airplane directions.*
 - i. Observe how the paper airplanes fly or compare how the different airplanes fly.

Video 6: Nests

The sixth lesson is about bird nests. In this lesson, students will learn why birds build nests and about the different types of nests they build. In addition, they will get to see a video of a hummingbird building a nest!

1. Link to Video 6 - Nests: <https://youtu.be/2s09-JKsfpg>
2. Journal Writing
 - a. WRITE: Design a nest for a bird in your field guide. Include:
 - i. The type of nest, shape, size, etc.
 - ii. The nesting materials used.
 - iii. Habitat: where is the nest found?
 - iv. Why is your bird making a nest?
 - b. DRAW: Draw a picture of your bird in their nest. Label the bird and nest.
3. Optional Activity
 - a. CREATE: Make a nest out of things you find in your home. Be as creative as you want. Here are some ideas:
 - i. Make a cavity nest by cutting a hole in a paper towel or toilet paper roll.
 - ii. Make a pendulum nest out of string or pipe cleaners.
 - iii. Make a cup nest out of cotton balls or playdoh.
 - iv. Make a platform nest out of popsicle sticks or pencils.

Video 7: Bird Songs

The seventh lesson is about bird songs. In this lesson, students will learn why birds sing and why learning bird songs is important. In addition, students will learn about the different types of sounds birds make.

1. Link to Video 7 – Bird Songs: <https://youtu.be/M-C2TG696uQ>
2. Journal Writing:
 - a. WRITE: Imagine you are a song bird. Write a story about a time in your life when you use your sound.
 - b. DRAW: Draw a picture of yourself as a bird, singing in your habitat.
3. Optional Activity: Play [Bird Song Hero](#) to practice your bird song identification skills.

Video 8: Virtual Field Trip

Here is the link to the eighth and final prerecorded lesson. The eighth lesson is the virtual field trip to Central Park. In this, video students will explore different areas of Central Park and will see some of the birds that can be found there. In addition, students will get to see some of the other wildlife in the park.

1. Link to Video 8 – Virtual Field Trip: <https://youtu.be/vqaOBFCmoEU>
2. Activity: Journal Writing
 - a. WRITE: Write a short paragraph describing the virtual field trip. Include:
 - i. Date, location, and weather.
 - ii. Your favorite bird species on the virtual field trip. Describe it using field marks.
 0. Example: shape, color, size, pattern, song
 - iii. Did you see anything on this walk that wasn't a bird? What was it?
 0. Example: turtles, raccoons, squirrel
 - b. DRAW: Draw your favorite bird from the walk. Be sure to label it!

For more information about the For the Birds! program, please visit:
<https://ny.audubon.org/education/audubon-new-yorks-birds-environmental-education-program>

Or contact Richard Santangelo, Program Director:
richard.santangelo@audubon.org
212-979-3077