

## Lesson 2: Schoolyard Sleuths

### Instructions for [iNaturalist App](#)

Dr. Schuttler loves iNaturalist! You can follow her on the app: [StephSchuttler](#)

#### iPhone:

- Download iNaturalist app
- Create username using the following method:
  - Use your first initial, last name, and the initials of your school
    - EX: Rachael Polmanteer, Wake Forest Middle School would be RPolmanteerWFMS
- Password should be student ID
- When ready to observe:
  - Click observe
  - Can take up to 5 photos
    - Make sure to get a photo of the entire organism
    - For example with a plant you want to take a picture of the entire plant, the stem, the leaves, and the flower if it has one
  - Name the species to the best of your ability (Plant, Insect, Fungi, etc)

#### Android:

- Download iNaturalist app
- Create username using the following method:
  - Use your first initial, last name, and the initials of your school
    - EX: Rachael Polmanteer, Wake Forest Middle School would be RPolmanteerWFMS
- Password should be student ID
- When ready to observe:
  - Click observe
  - Can take up to 5 photos
    - Make sure to get a photo of the entire organism
    - For example, with a plant you want to take a picture of the entire plant, the stem, the leaves, and the flower if it has one
  - Name the species to the best of your ability (Plant, Insect, Fungi, etc)

Tips for taking kids outside: <https://www.youtube.com/watch?v=iLwdLcl2c-g&feature=youtu.be>

### **Supplemental Activities:**

#### ***Project WILD connection activities:***

- Urban Nature Search: This activity encourages students to explore and observe the environment around them. The objective of this lesson is to encourage students to infer that each habitat has characteristic organisms within it and that different environments impact the life of these living things in various ways. In addition to improving science skills, this activity is meant to develop students' english and language arts abilities.
- Adaptation Activities:
  - Quick- Frozen Critters
  - Adaptation Artistry
  - I'm Thirsty

#### ***English Language Arts***

- Informational Essay: Students write a short essay on why scientists see different animals in different microhabitats and on a larger scale, different habitats (deserts, forest, tundra, etc.). Students should discuss if animals would survive being moved from their original microhabitat to a different microhabitat. What if animals were moved to a completely different habitat (for example from temperate forest to prairie)?
- Creative Writing: Write a story about a day in the life your animal.

#### ***Math:***

- Plot the schoolyard habitat audit results on a cartesian coordinate system. Have students calculate the distance between different points on the map they create. Potentially have students convert whatever units they are working into another unit (English to SI for example).

#### ***Other (Arts Education, Information and Technology Skills, etc.)***

- Have students use technology tools available to draw and create an online habitat map of their schoolyard. Students will create an account with the Habitat Network (<https://tinyurl.com/ydfqhkos>) and will create a map of their school yard using the tutorial videos supplied on the website.