



Community Science

Lesson 1: What is community science?

Duration: 45 mins to 1 hour

Location: Indoors/Outdoors

Overview

In this lesson students will:

Discover what community aka citizen science is, its purpose, and how they can become involved. They will be introduced to what pollinators are and the roles they play in our ecosystems. Students will learn the layers of the forest and local species that call these layers' home. Lastly, students will review climate change, how it's putting our pollinators at risk and actions we can take to prevent it.

1

Learning objectives

By the end of the session, students will be able to:

- Define citizen science and understand how to contribute to solve real world problems;
- Identify the layers of the forest and know birds that call these forest layers home;
- Learn why birds are important, the roles they play, and how they're being impacted by human activities;
- Understand what climate change is, why it's happening and actions to take to prevent it;
- Identify actions that enhance or threaten forests

Curriculum links

Grade: 6

Subject and Unit: Science, Trees and Forests

- Describe kinds of plants and animals found living on, under and among trees; and identify how trees affect and are affected by those living things;
- Identify human actions that enhance or threaten the existence of forests

Equipment required

- PowerPoint called "Lesson 1 what is citizen science (grade 6 pollinators)"
- Bee, Bee, Bee Game instructions
- 2 6 foot ropes or 4-6 bean bags
- Climate jug activity supplies (two water bottles labelled "sink" and "source", and jug with spout labelled atmosphere)



Community Science

Lesson 1: What is community science?

- Computer with Wi-Fi and Projector



Community Science

Pollinator

Lesson 1: Introduction to Community Science

Lesson plan

Time	Activity	Equipment needed
15-20 mins	Citizen science introduction (slides 2-4) <ul style="list-style-type: none"> - Play Bee, Bee, Bee Game (find the instructions to game in kit) - Debrief questions on slide 3 - Go through the slide notes as a guide 	<ul style="list-style-type: none"> • Bee, Bee, Bee Game instructions • 2, 6 feet ropes or 3-6 bean bags • Computer with Wi-Fi • Projector
3 mins	What are pollinators? What roles do pollinators play? (slide 7-8) <ul style="list-style-type: none"> - Play video on slide 5 - Go through the slides notes as a guide 	<ul style="list-style-type: none"> • Computer with Wi-Fi • Projector
5-10 mins	Layers of the Forest and Find my Forest Activity (slide 7-10) <ul style="list-style-type: none"> - Review the layers of the forest on slide 7 - Find my Forest Activity: students will guess what layers of the forest local pollinators call home - Go through the slide notes as a guide 	<ul style="list-style-type: none"> • Computer with Wi-Fi • Projector
10-15 mins	Climate change introduction and climate change jug activity (slides 11-16) <ul style="list-style-type: none"> - Play video on slide 12 to learn about greenhouse gases and the green house gas effect - Play video on slide 14 as a guide for the Climate Change Jug Activity - Go through the slide notes as a guide 	<ul style="list-style-type: none"> • Computer with Wi-Fi • Projector • Climate jug activity supplies (two water bottles labelled "sink" and "source", and jug with spout labelled atmosphere)
3 mins	Climate Actions Conclusion (slide 17) <ul style="list-style-type: none"> - Review slide 17 for actions to take to close the lesson 	<ul style="list-style-type: none"> • Computer with Wi-Fi • Projector



Community Science

Pollinator

Lesson 1: Introduction to Community Science

