

ETSU Eagle Cams – Learning Activities

Eagle Calendar

Grade: Pre-K

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ETSU Eagle Cams: <https://www.etsu.edu/cas/biology/eagle-cam/cameras.php>

Summary

How do eagles respond to different types of weather? Students can observe different types of weather on the Eagle Camera and analyze the behavior changes of the eagles. They can track these changes over time and also discuss how weather changes impact human behavior and emotions.

Learning Objectives

- Students will notice changes in the weather, and how the changes affect the eagles.
- Students will discuss how weather changes affect their behavior and emotions.
- Science Standards
 - **PK.ESS3.01.b.** Observe and discuss how humans and animals respond to changes in weather
 - **PK.ESS2.01b.** Observe and discuss changes in weather and seasons using common weather-related vocabulary (e.g., rain, sun, snow, wind, spring, summer, fall/autumn, winter, etc.).

Materials

- Calendar
- Laminated items such as snow, rain, sun, eggs, hatching eggs, & baby eagles (See examples below)

Preparation

Consider reading books about weather so that children are familiar with the different types of weather changes and how to identify and label them. The classroom should have a large calendar they can easily access and use to track the changes in weather they notice each day on the eagle cameras.



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Part 1

- Engage students by viewing the ETSU Eagle Cams and noticing the weather patterns.
- Help generate a conversation with essential questions such as, “What is the weather like today?” or “How do you think the eagle is able to stay warm?” or “What do you notice the eagle is doing to stay dry?” or “How does weather like this make you feel” or “What do you do when the weather is hot so you can stay cool?” and so on, making sure that your questions relate to the type of weather being seen on the camera.

Part 2

- Place the corresponding laminated picture on the calendar. Talk about the previous days weather and how it compares to the weather for that day.
- Have students make predictions for what the weather may be the next day, consider writing down their prediction so they can see if they were correct when they check the calendar the next day.

Part 3

- Discuss how the weather is affecting the eagles. Analyze how the eagle responds to the weather changes based on observations.
- Discuss how humans respond to the weather. For example, students may discuss the clothing changes they make for different weather, such as raincoats on rainy days or a thick, warm jacket when it is cold. Compare the changes we make for weather with the observations of how eagles respond to different types of weather,
- Students can also discuss the general emotions that weather can make them feel. For example, sometimes when it’s a rainy day it makes me feel sad or sleepy but when it is a sunny day it makes me feel really happy.

EXTENSION IDEAS

- Discuss the temperature changes that occur when the weather shifts. Have an outdoor thermometer you can check each day.
- Continue tracking the weather throughout the year so students can see how the weather changes during different seasons.