

Be A Wildlife Biologist

Klamath Mountains Place-Based Curriculum

Lesson 1

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| Title Of Lesson: Introduction to Wildlife Biology | Grade Level: Middle School | Time: 60-90minutes |
| Subject Matter Areas: Physical Geography Biodiversity Conservation Monitoring and Data Analysis | | |
| Preparation: Receive your trail cam from the BTA, download the powerpoint, consider which wildlife species and conservation issues are of most importance to your students AFTER Lesson: Find location for Trail Cam---- ask custodian, teacher, etc. | | |
| Materials/Resources: Powerpoint, map of the Klamath Basin, power point, colored pencils | | |

Learning Objectives

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| Students will be able to: <ul style="list-style-type: none">• Understand habitat• Identify where they are in the Klamath Basin• Identify animal species from the Klamath Basin region• Gain an understanding of the conservation issues these animals face• Gain knowledge about scientific monitoring and what monitoring efforts on being done on local animals• Gain familiarity with the trail cam and an understanding of its broader use (regional monitoring, future career skill, etc.) |
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Lesson Structure

| Time | Introduction | Teaching Approaches |
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| 10 mins | <p>Introduce Self</p> <p>Have students introduce themselves and state their favorite animal.</p> <p>Where is the Klamath Basin and where do you live in the Klamath Basin?</p> <p>How are we all connected to the Klamath Basin? We are all within the boundaries seen on the map and connected through a ring of mountains that flow into the Klamath River that then flows to the ocean.</p> | |

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| Time | Lesson Content | Teaching Approaches |
|------|---|---|
| 25 | <ul style="list-style-type: none"> • What kinds of animals live in the Klamath Basin? • What is Biology = the study of life • What is a Wildlife Biologist=people who observe and study the behavior • What is a habitat? • What makes a healthy habitat for an animal? Do Activity. <ul style="list-style-type: none"> • What does it mean to monitor in science? (Keep an eye on) • What tools do Wildlife Biologists use to monitor animals? (trail cams) • Introduction to trail cam. Pass around for students to touch and see. • Use powerpoint to showcase what data a trail camera can capture. | <p>Use powerpoint to take you through the following concepts.</p> <p>Use blank page in the notebook and draw your favorite animal and what they need for a healthy habitat.</p> <p>Introduce students to their data tracking in the lab book. Have students pick out one animal and track it in the lab book.</p> |
| Time | Wrap Up | Teaching Approaches |
| 10 | <p>Visualization: Step into the world of a Wildlife Biologist and think about where you would place a trail cam.</p> <p>What kinds of animals might we see?</p> | Group brainstorms, Class discussion |

Evaluation

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Extra: <https://www.youtube.com/watch?v=JyrbqiCokdw> "Another Year on the Log" 5 minutes
https://www.youtube.com/watch?v=XMP4pJhr_Tc "One year Trail Cam N.CA" 13 minutes