Lesson Overview

Ever wondered how our trees are able to survive the shock of a hurricane or the inferno of a wildfire? In this lesson students will explore the phrase "adapt to survive" as it relates to trees and extreme weather/climate conditions. They will use their skills as "actors" to embody the tree experience and explore the various ways a tree becomes resilient to its harsh environments.

Lesson Objective: Students will learn about tree adaptations to extreme weather/climate events through performance activities, outdoor exploration, and student led teaching.

NGSS

This lesson addresses the following 3rd grade NGSS Specific Learning Outcome:

3-L3-2. Use evidence to support the explanation that traits can be influenced by the environment.

<table>
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<th>Science and Engineering Practices</th>
<th>Disciplinary Core Ideas</th>
<th>Crosscutting Concepts</th>
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<td>Use evidence (e.g., observations, patterns) to support an explanation. (3-L3-2)</td>
<td>The environment also affects the traits that an organism develops. (3-L3-2)</td>
<td>Cause and effect relationships are routinely identified and used to explain change. (3-L3-2)</td>
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Common Core

This activity addresses the following 3rd grade standards:

ELA/Literacy SL.3.4 Report on a topic or text, tell a story, or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.

a. Plan and deliver an informative/explanatory presentation on a topic that: organizes ideas around major points of information, follows a logical sequence, includes supporting details, uses clear and specific vocabulary, and provides a strong conclusion.

Arts 3.TH:Cr1: Create roles, imagined worlds, and improvised stories in a drama/theatre work. b. Collaborate to determine how characters might move and speak to support the story and given circumstances in drama/theatre work. c. Imagine and articulate ideas for costumes, props and sets for the environment and characters in a drama/theatre work.