



# WMNC

## Signature Lessons & Activities

### #5: "How Do we Repair The Damage?"

#### Enduring Understandings

1. To reduce the threat of wildfire and restore forest health, forest managers cut and remove trees and perform prescribed burns.
2. Removing a portion of the forest reduces plant competition for light, water, and nutrients, which allows the forest to grow healthier.
3. Trees that are diseased, damaged, or unhealthy are cut and removed in order to improve forest health.
4. Land managers often use fire as a tool to restore forest health.

#### Essential Questions

1. Why do forest managers cut and remove trees and perform prescribed burns.
2. How do we fight fire with fire?
3. How does removing a portion of the forest help to grow a healthier forest?
4. Why do we have to remove diseased, damaged, and unhealthy trees?

## **By Participating in this WMNC lesson:**

*Participants will.....*

- Understand that in order to reduce the threat of wildfire and restore forest health, forest managers cut and remove trees and perform prescribed burns
- Examine and observe the concept of removing a portion of the forest reduces plant competition for light, water, and nutrients, which allows a forest to grow healthier
- Recognize that the removal of diseased, damaged, and unhealthy tree improve the health of a forest
- Understand the use of fire as a tool helps land managers restore forest health

## **Evidence of Achievement**

*Participants will.....*

- Draw conclusions about fire and fire management policies relative to their potential impact on the health of Arizona forests
- Capture a personal reflection about removing a portion of the forest to reduce plant competition for light, water, and nutrients and the impact on the overall health of the forest
- Develop an outline of a classroom presentation appropriate for their professional application, including suggestions on how to accommodate diverse learners