



Table of Contents

Unit 1: Introduction

H01: Intro to Wildland Fire

Unit 2: Physical Science of Wildland Fire

H02-1: The Fire Triangle: Heat and Fuel

H02-2: The Fire Triangle: Oxygen

H03: Fire Triangle: Combustion and Carbon Cycle

H04: Heat Transfer

H05: Fuel Properties

H06: Pyrolysis

H07: Fire Spread Processes: Putting It All Together

Unit 3: Wildland Fire Environment

H08A: Fire Environment Triangle and Fire Spread: The Match Stick Model

H09: Ladder Fuels and Fire Spread

H10: Fire Behavior, Weather, Climate

Unit 4: Fire Effects on the Environment

H11: Smoke from Wildland Fire: Just Hanging Around

H12: Fire, Soil and Water Interactions

H13: Researching a Plant, Animal or Fungus

Unit 5: Fire's Relationship with Organisms and Communities

H14: Tree ID: Create a Dichotomus Key

H15: Forest Communities and Climate Change

Unit 6: Fire History and Succession

H16: Dating Fires Using Dendrochronology

H17: History of Stand Replacing Fires

H18: History of Low Severity Fire

H19: History of Mixed-Severity Fire

H20: Why Do Historic Fire Regimes Matter

H21: Carrying Fire the Pikunni Way

H22: Changing Landscapes, Changing Fires