



# Living with Fire

*Surviving the forest wildfires of California*

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# Plan:

- *Fireweed*
- *Knobcone Pine*
- *Giant Sequoia*



# Fireweed

## *Wind-Dispersed Seeds*



- *traveling with wind*
- *80k seeds per year*
- *recreating colonies*

# Knobcone Pine

## *Burnt Pine Cone*

- *extremely fire resistant*
- *opened with a fire of 203 °C*

## *Unburnt Pine Cone*

- *closed even after the tree has dead*



# Giant Sequoia

## Fire-Resistant Bark

- *trees can have bark up to 2 feet thick*
- *height is 250 feet - about the wingspan of a Boeing 747*



## *Seed Germination*

- *seeds germinate well in mineral soil - layer below needles and decomposed material on forest floor that is exposed after fires burn.*



# Summary:

- *Wind Dispersed Seeds*
- *Pine Cone*
- *Fire-Resistant bark & Seed Germination*