

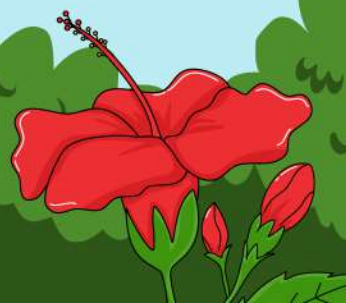


TREES

MATTER

He Mea Nui Nā Kumulā'au

A powerful discussion about why trees are important



TOPICS TO COVER:



Why Trees Matter

Ke Kumu Nui I Waiwai Ai Nā Kumulā'au

Trees and Climate

Nā kumulā'au & Ke Aniau

Trees and Our Lives

Nā kumulā'au & Ko Kākou Ola

Trees and Animals

Nā kumulā'au & Nā Holoholona

Trees and the Environment

Nā kumulā'au & Ke Ao Kūlohelohe

Trees & People

Nā kumulā'au & Nā Kānaka

Trees in Danger

Nā kumulā'au I 'Ane Halapohe

WHY TREES MATTER

Ke Kumu Nui I Waiwai Ai Nā Kumulā'au



What words come to mind when you see this picture?

- you can brainstorm words using this text box



TREES AND OUR LIVES

Nā kumulā'au & Ko Kākou Ola



Think-Pair-Share:

**How do trees impact your
everyday life?**



TREES AND OUR LIVES

Nā kumulā'au & Ko Kākou Ola



*Trees provide **SHADE***

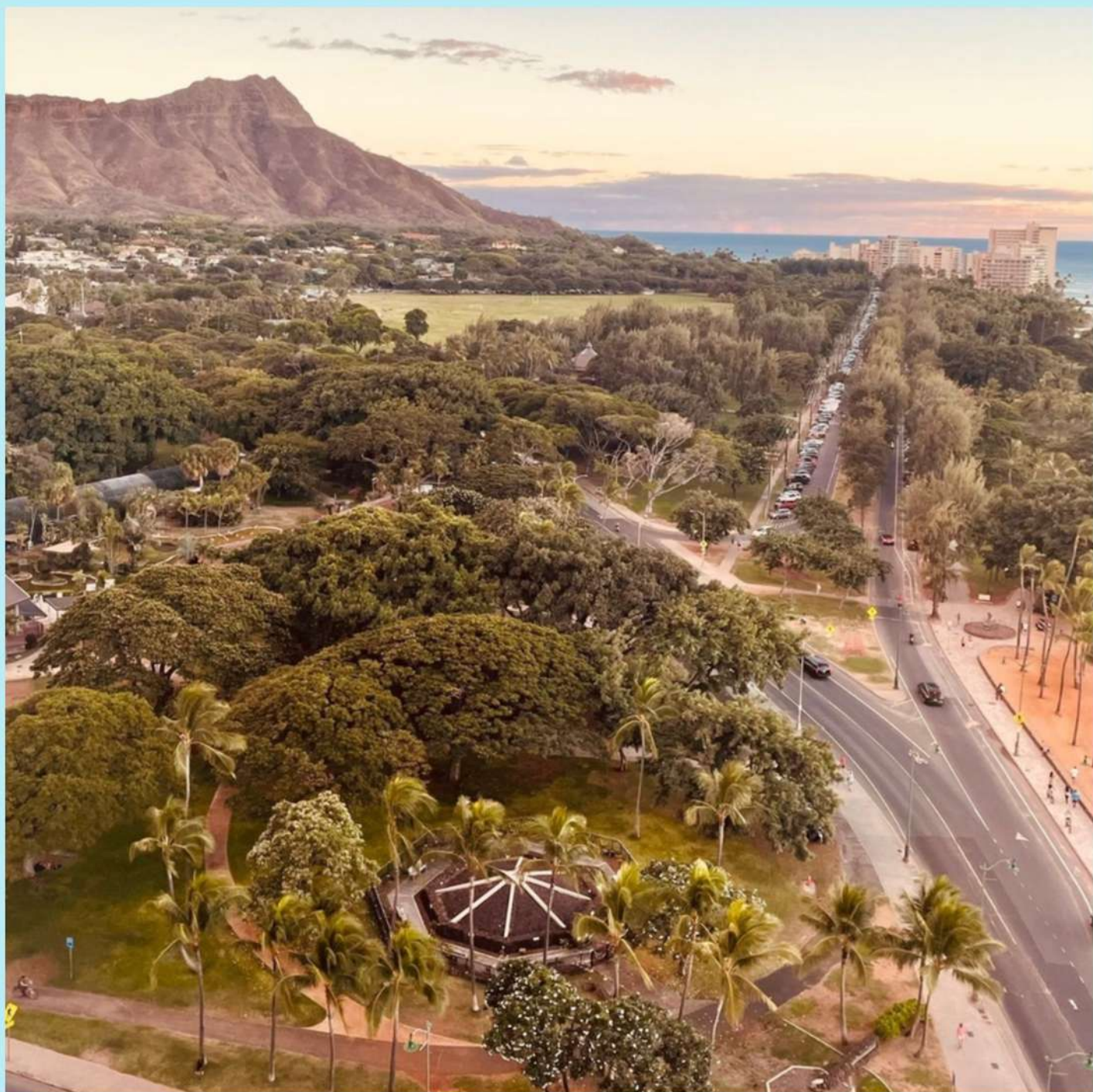
Trees help people feel cooler by blocking the sun's rays and generating water vapor. This process is called "evapotranspiration."

Instagram: @treesforhonolulu



TREES AND OUR LIVES

Nā kumulā'au & Ko Kākou Ola



Instagram: @treesforhonolulu

*Trees provide **BEAUTY***

More trees in a city encourages more people to walk or bike, instead of driving!



TREES AND OUR LIVES

Nā kumulā'au & Ko Kākou Ola



Trees provide **OXYGEN**

Trees absorb Carbon Dioxide to create and produce oxygen using photosynthesis.

More trees = more oxygen
More oxygen = more life



Instagram: @treesforhonolulu



TREES AND OUR LIVES

Nā kumulā'au & Ko Kākou Ola



Does your class have more ideas?

List them:



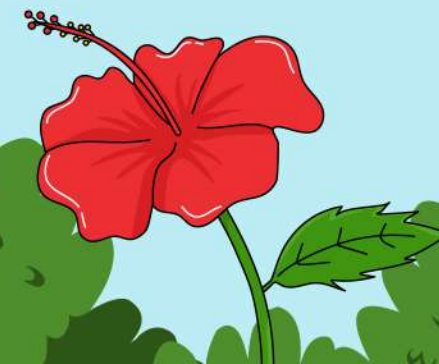
TREES AND THE ENVIRONMENT

Nā kumulā'au & Ke Ao Kūlohelohe



Visualize:

**What might our world
look like without trees?**



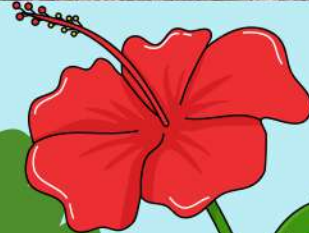
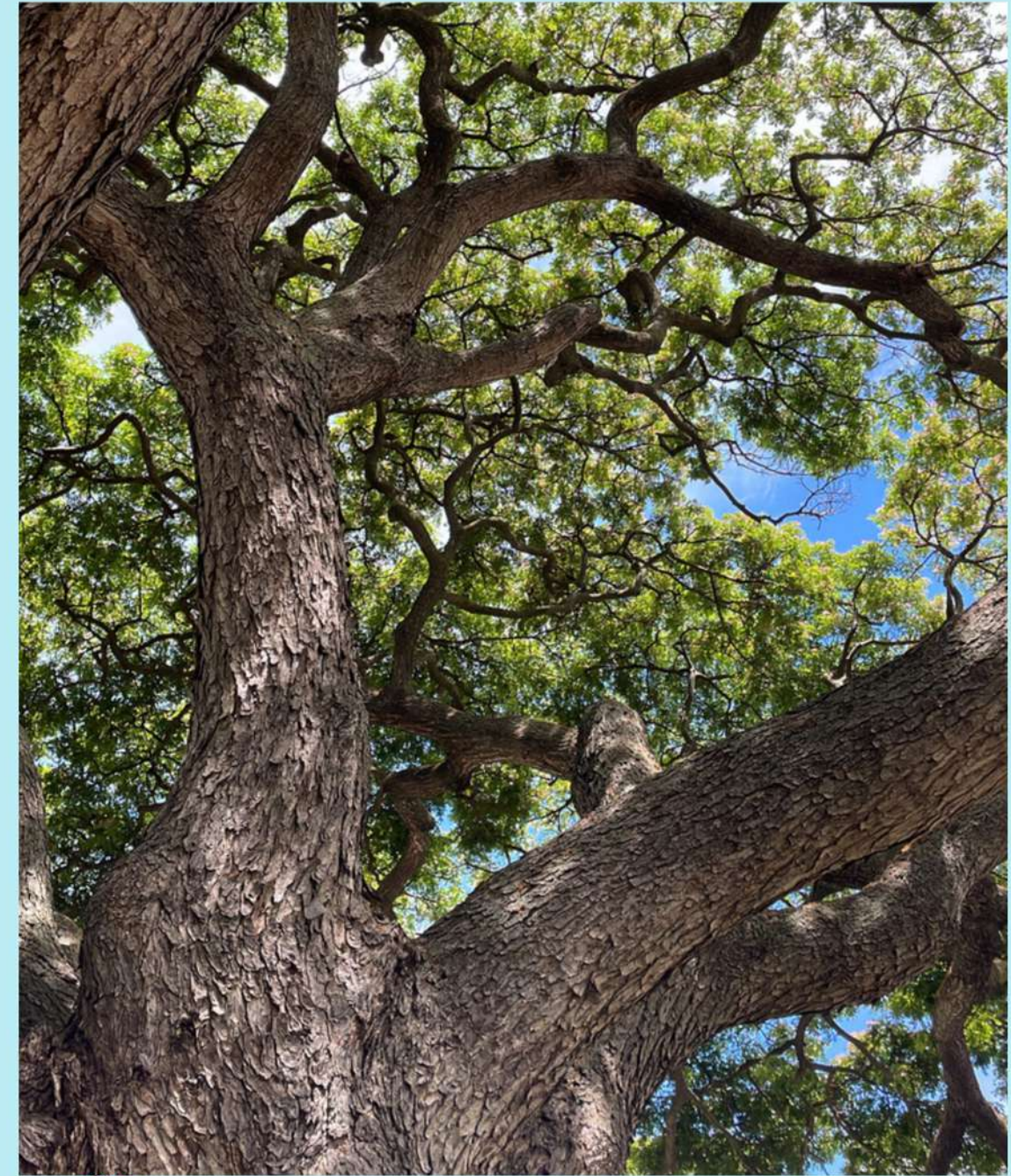
TREES AND THE ENVIRONMENT

Nā kumulā'au & Ke Ao Kūlohelohe



Trees clean the air

Trees clean the air by absorbing gases like Carbon Dioxide through a process called Photosynthesis



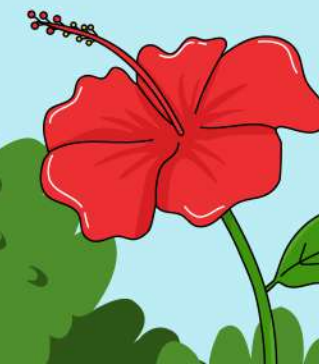
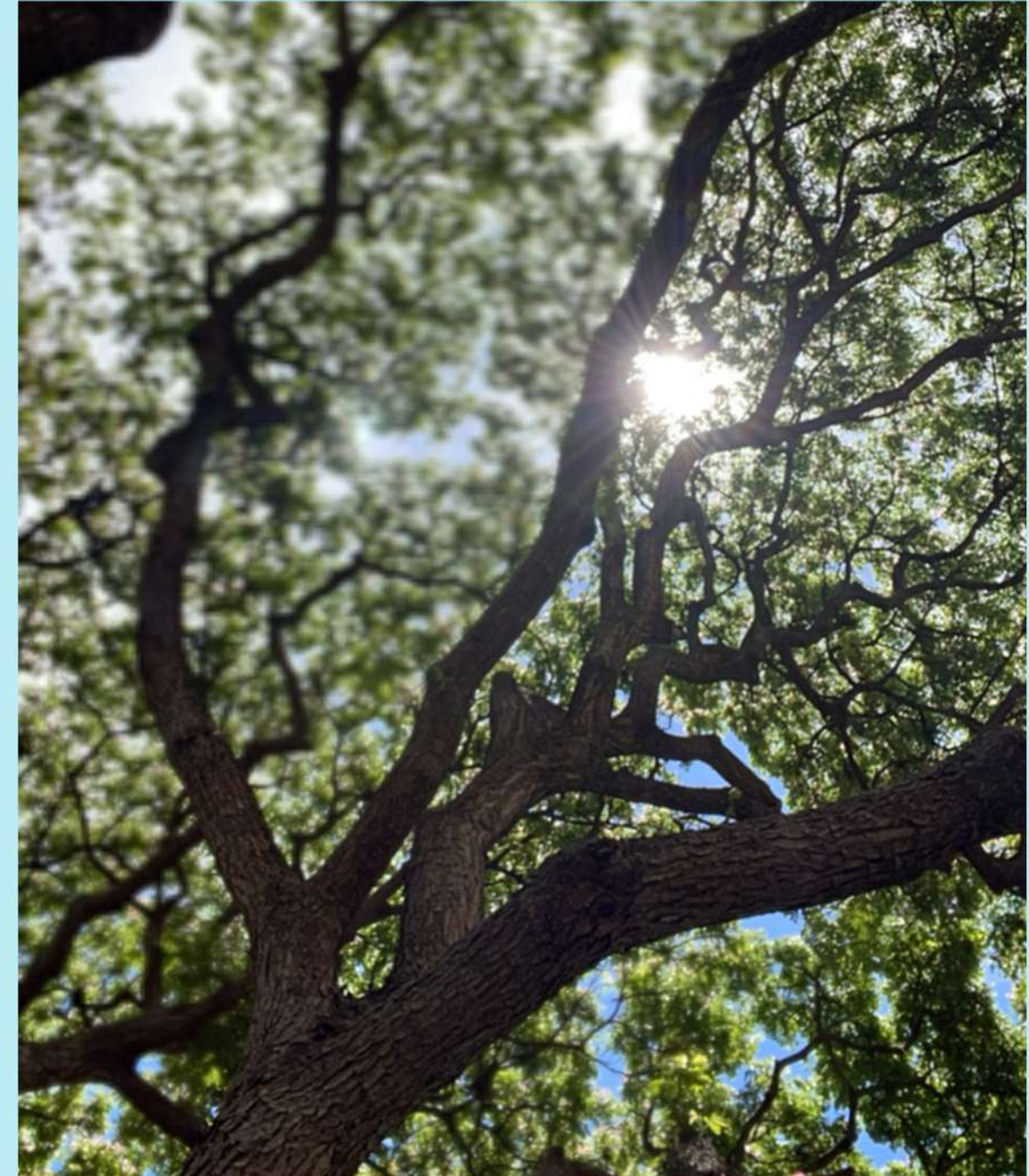
TREES AND THE ENVIRONMENT

Nā kumulā'au & Ke Ao Kūlohelohe

Trees reduce heat

Trees help people feel cooler by blocking the sun's rays and generating water vapor

= **evapotranspiration**



TREES AND THE ENVIRONMENT

Nā kumulā'au & Ke Ao Kūlohelohe

Trees protect soil

Trees absorb water during rainfall, which helps aquatic pollution and storm water runoff out of the ocean



Instagram: @treesforhonolulu



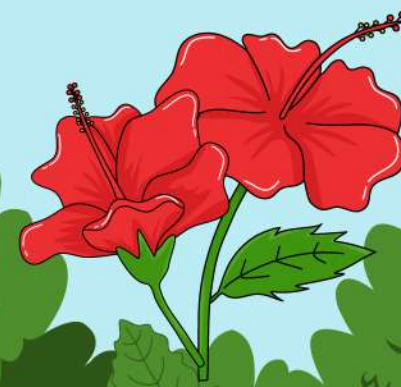
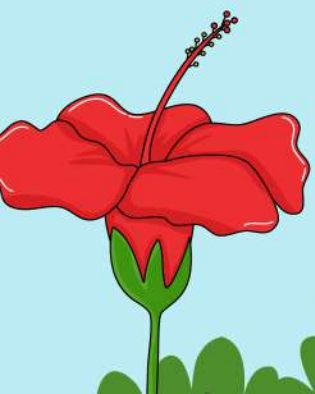
TREES AND CLIMATE

Nā kumulā'au & Ke Aniau



Quick Class Poll:

**Raise your hand if you know
how many trees are in your
neighborhood**



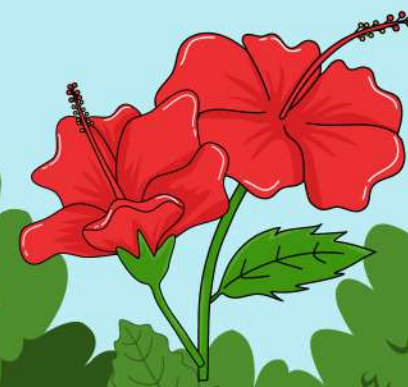
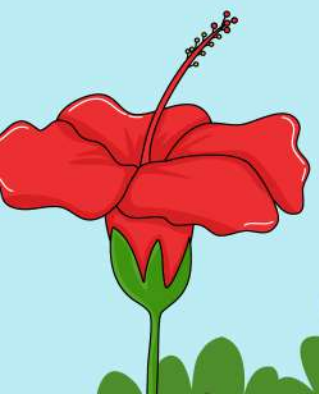
TREES AND CLIMATE

Nā kumulā'au & Ke Aniau



Think & Share:

**What if each family in your
neighborhood planted one tree...
*how would that help our climate?***



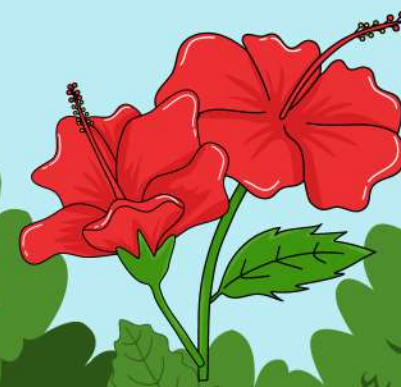
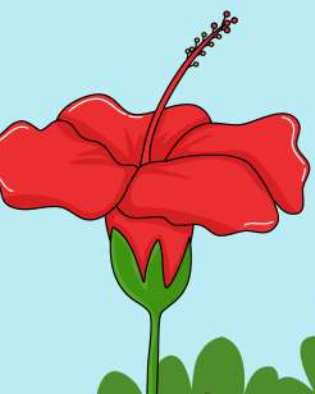
TREES AND CLIMATES

Nā kumulā'au & Ke Aniau



What ideas did you come up with?

List them:

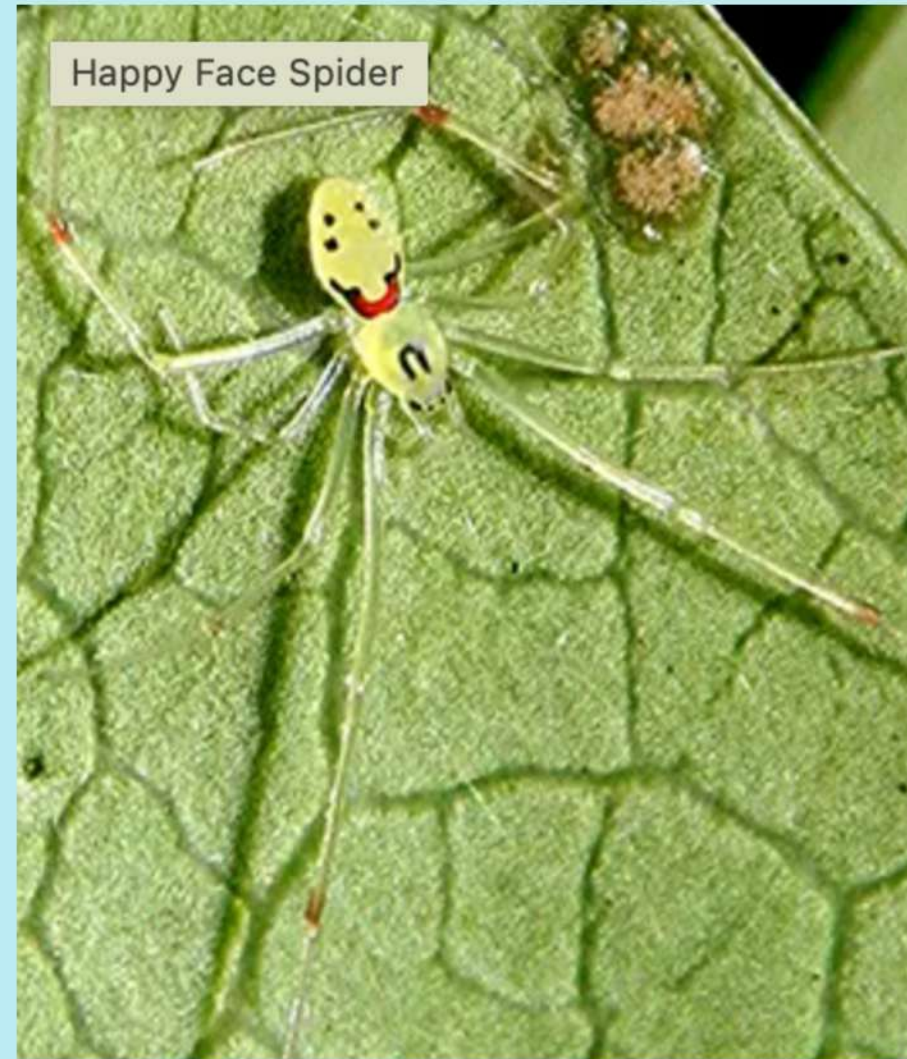


TREES AND ANIMALS

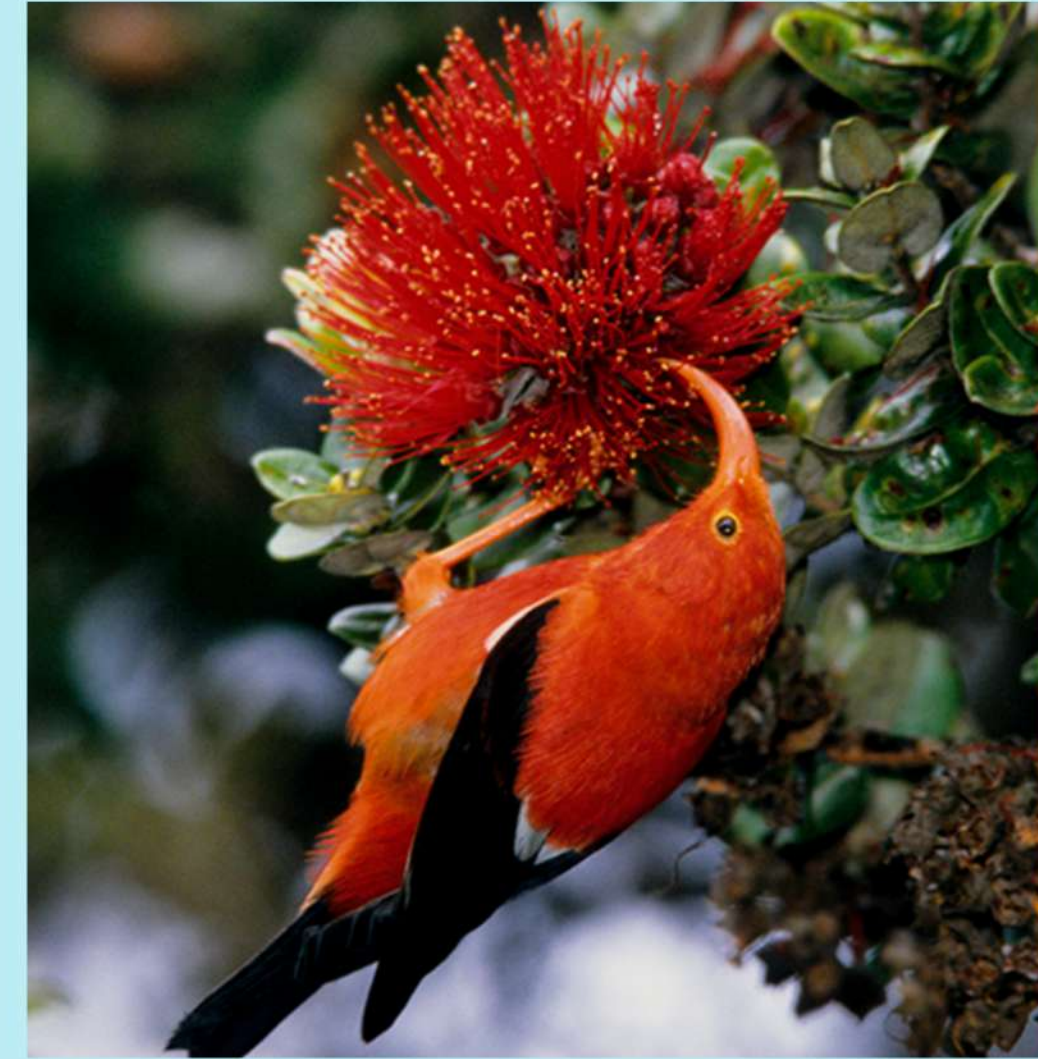
Nā kumulā'au & Nā Holoholona



Manu-o-Kū



Nananana Makaki'i



'i'iwi birds

**Why do these animals need trees to survive?
What would happen if we lost trees?**



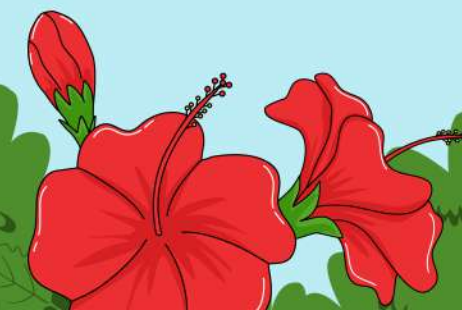
TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona



Small Group:

How are trees a part of traditions or celebrations?



TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona



What do people use trees for?

Brainstorm your ideas here:



TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona

Food: Apples,
bananas, oranges,
nuts, guava, ulu,
mango



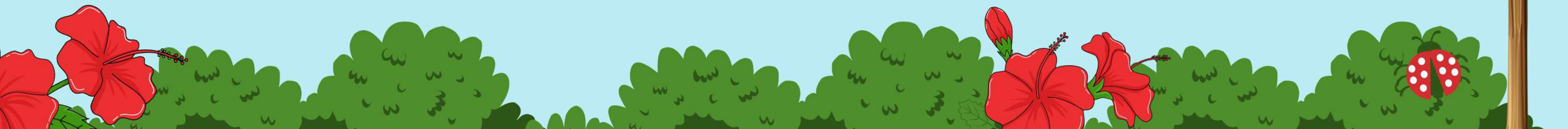
TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona

Medicine: Māmaki,
Noni, 'A'ali'i, Kukui,
and 'Ūhaloa



HALEAKALACRATER.COM



TREES IN DANGER

Nā kumulā'au i Pilikia ai



Pop-Brainstorm:

What are some dangers to trees? Why might it be hard to protect trees?



TREES IN DANGER

Nā kumulā'au i Pilikia ai



Deforestation:
When people cut
down trees



900 acres of 'ōhi'a were clear-cut for wood chips in Kalapana, Hawai'i



TREES IN DANGER

Nā kumulā'au i Pilikia ai



Wild Fires:
When fire breaks
out and it's
uncontained



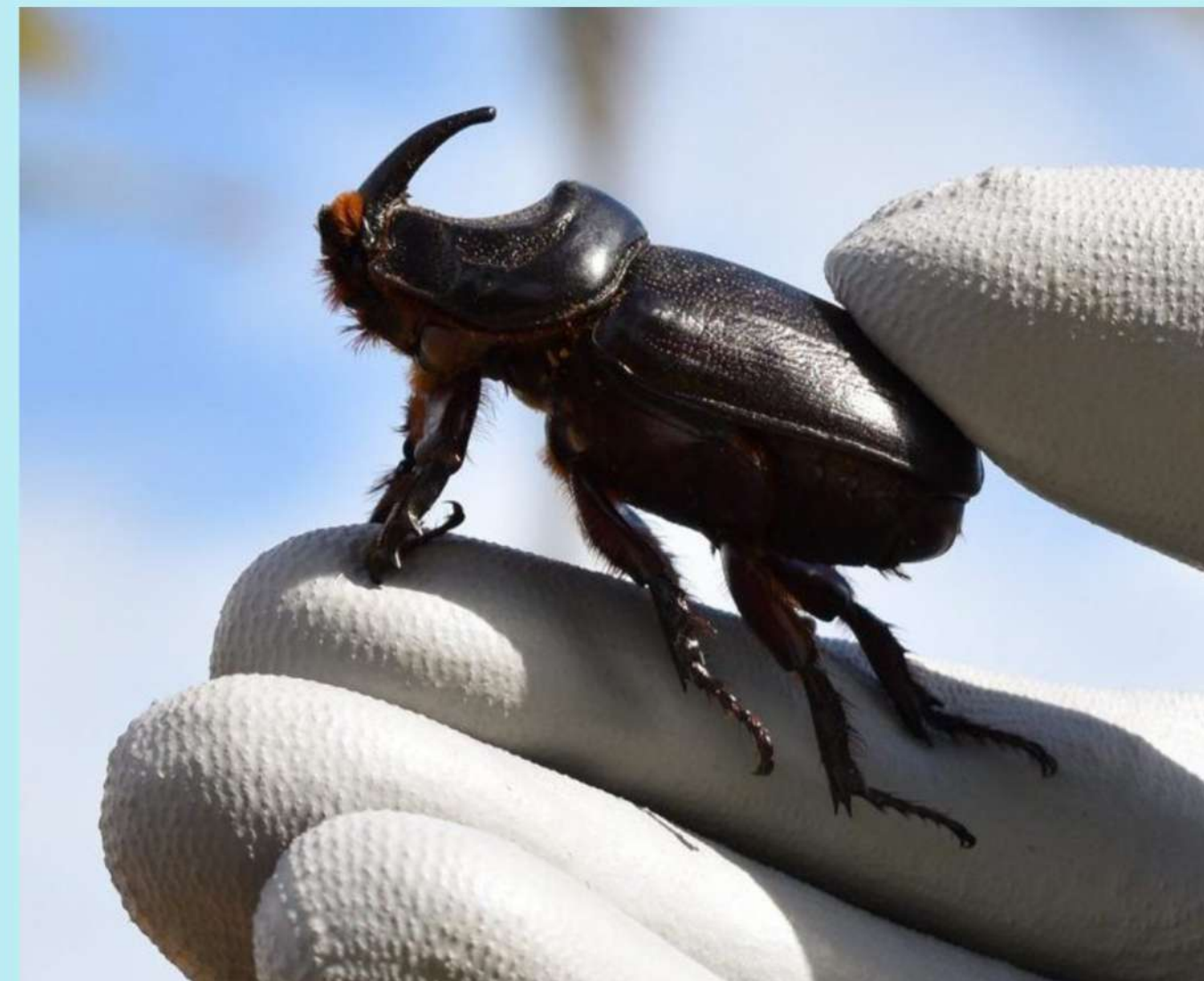
The Banyan Tree on Lahaina – before and after the devastating wildfire.



TREES IN DANGER

Nā kumulā'au i Pilikia ai

Invasive Species:
Species not native
to Hawai'i and
hurting our island



A Coconut Rhinoceros Beetle Beetle that has invaded several trees across the state.



TAKING ACTION

E hana i ka hana



Planting



Protecting



Educating

TREES FOR
HONOLULU'S
FUTURE



CALL TO ACTION CHALLENGE



TREES FOR
HONOLULU'S
FUTURE

- Think about why trees are important to you and why you **love** trees
- Turn that inspiration into art
- **Choose:** traditional or digital
- Use an 8x11 white piece of paper
- **Submissions are due October 3rd**

9th Annual
We ♥ Trees!
Keiki Art Contest

Presented By:



Artwork should express
why we love trees and
why they are important!

For students in
grades K-8!
Public, Private, Charter,
and Home Schools are
all welcome!

Prizes for grade level
winners and teachers!

Submissions
due October 3rd

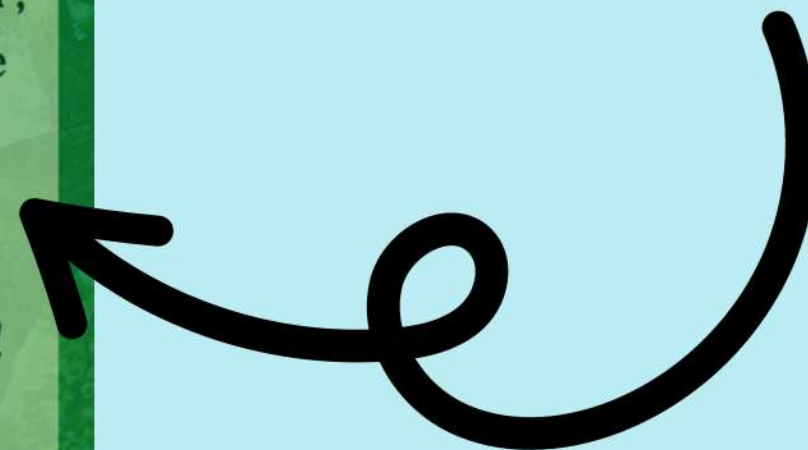
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TREES FOR
HONOLULU'S
FUTURE