

TREES

MATTER

He Mea Nui Nā Kumulā'au



A powerful discussion about why trees are important

TOPICS TO COVER:

TREES
FOR
HONOLULU'S
FUTURE

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 Enviornmentment

Nā kumulā'au & Ke Ao Kūlohelohe

Trees and People

Nā kumulā'au & Nā Kānaka

Trees in Danger

Nā kumulā'au I 'Ane Halapohe

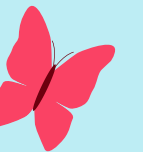
WHY TREES MATTER

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."

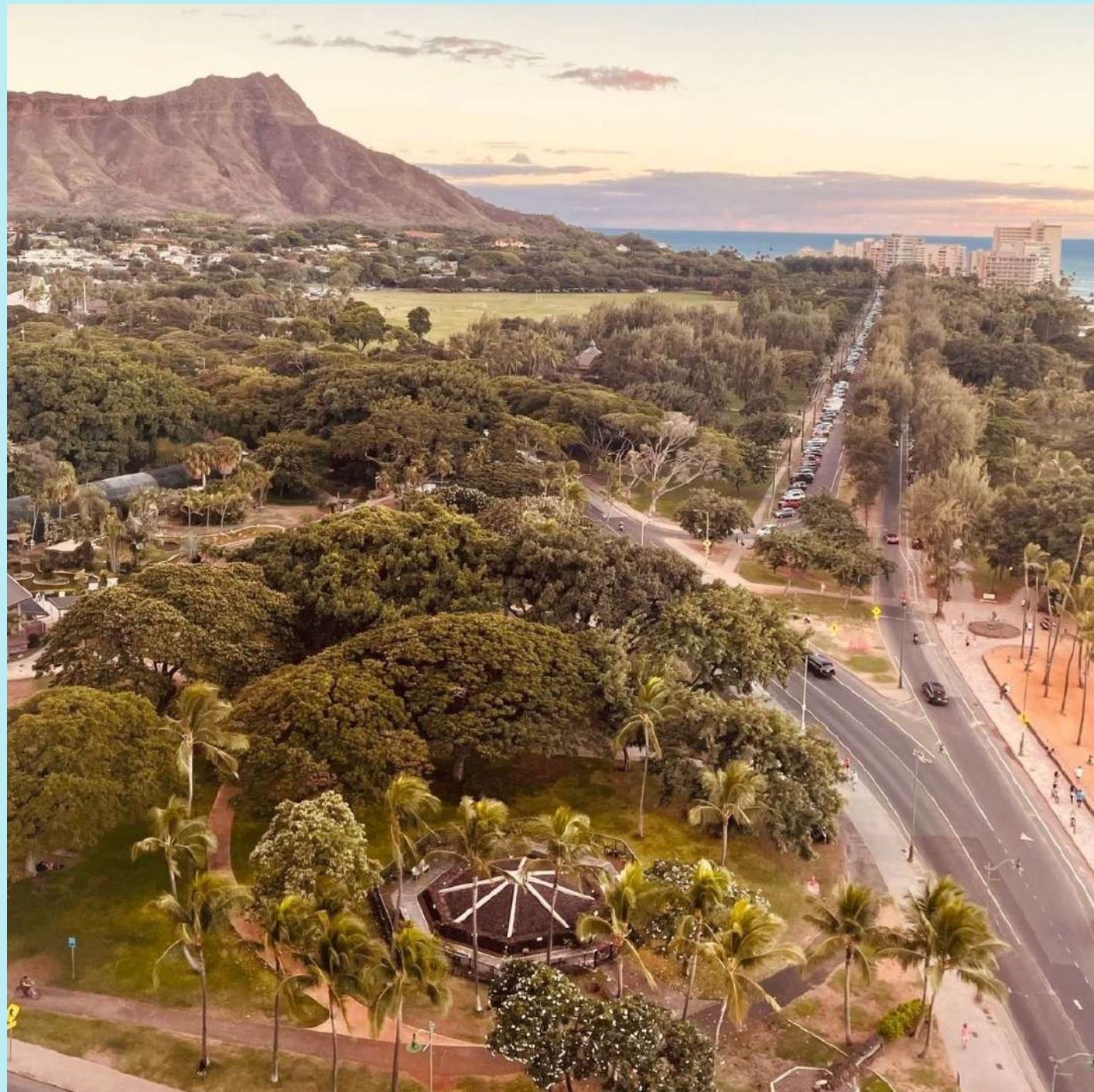


Instagram: @treesforhonolulu



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:



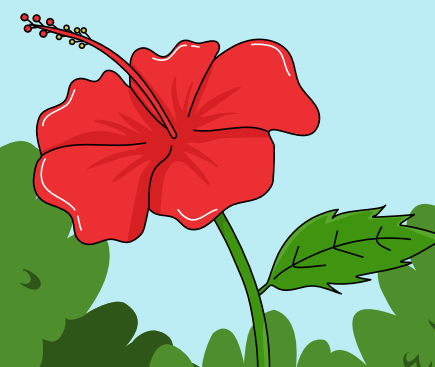
TREES AND THE ENVIRONMENT

Nā kumulā'au & Ke Ao Kūlohelohe



Visualize:

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

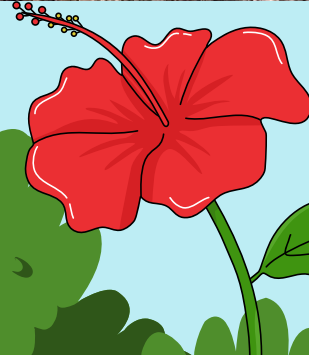
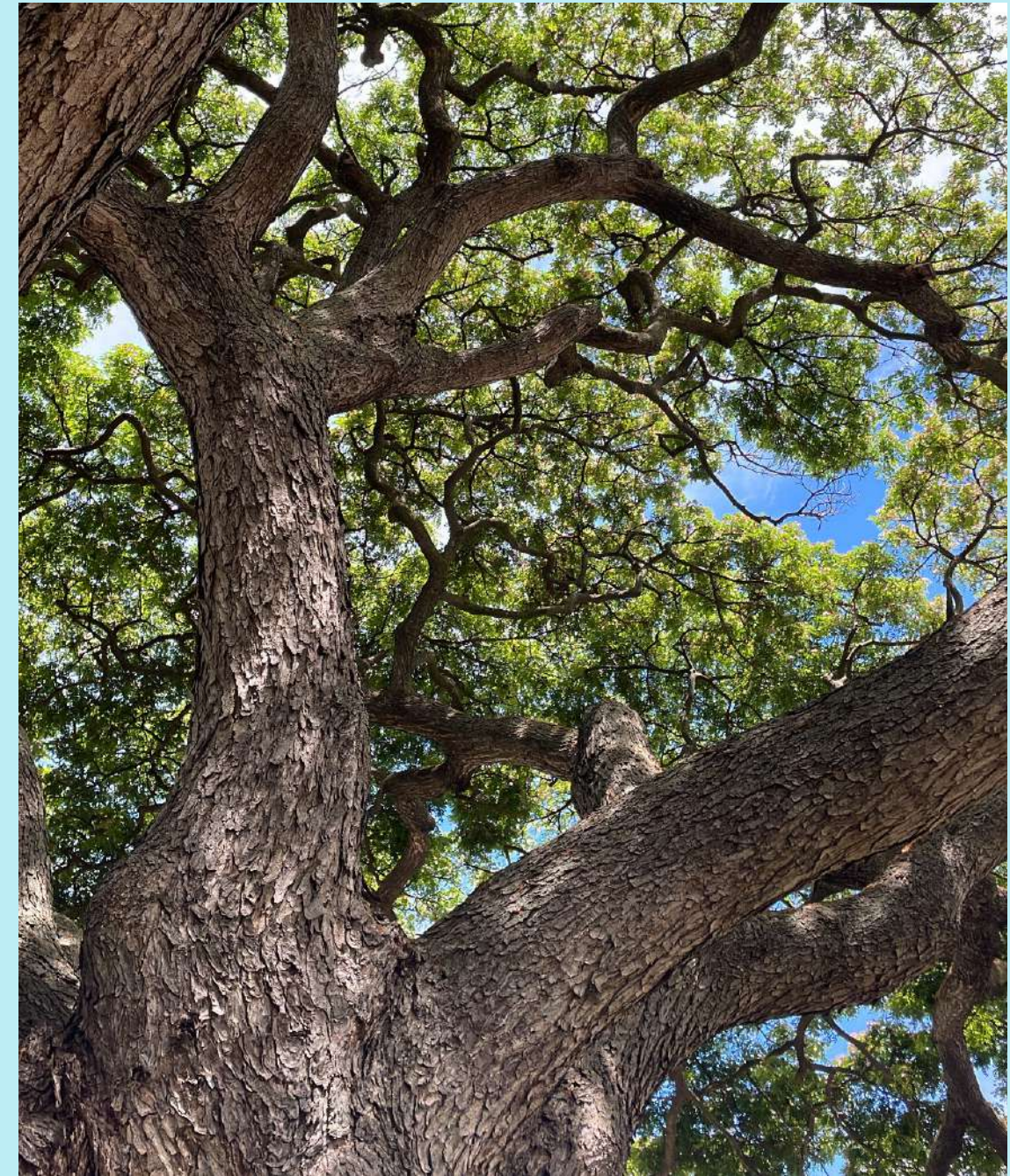


TREES AND THE ENVIRONMENT

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



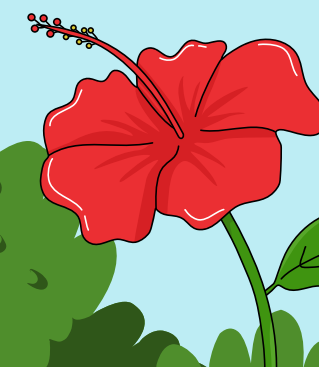
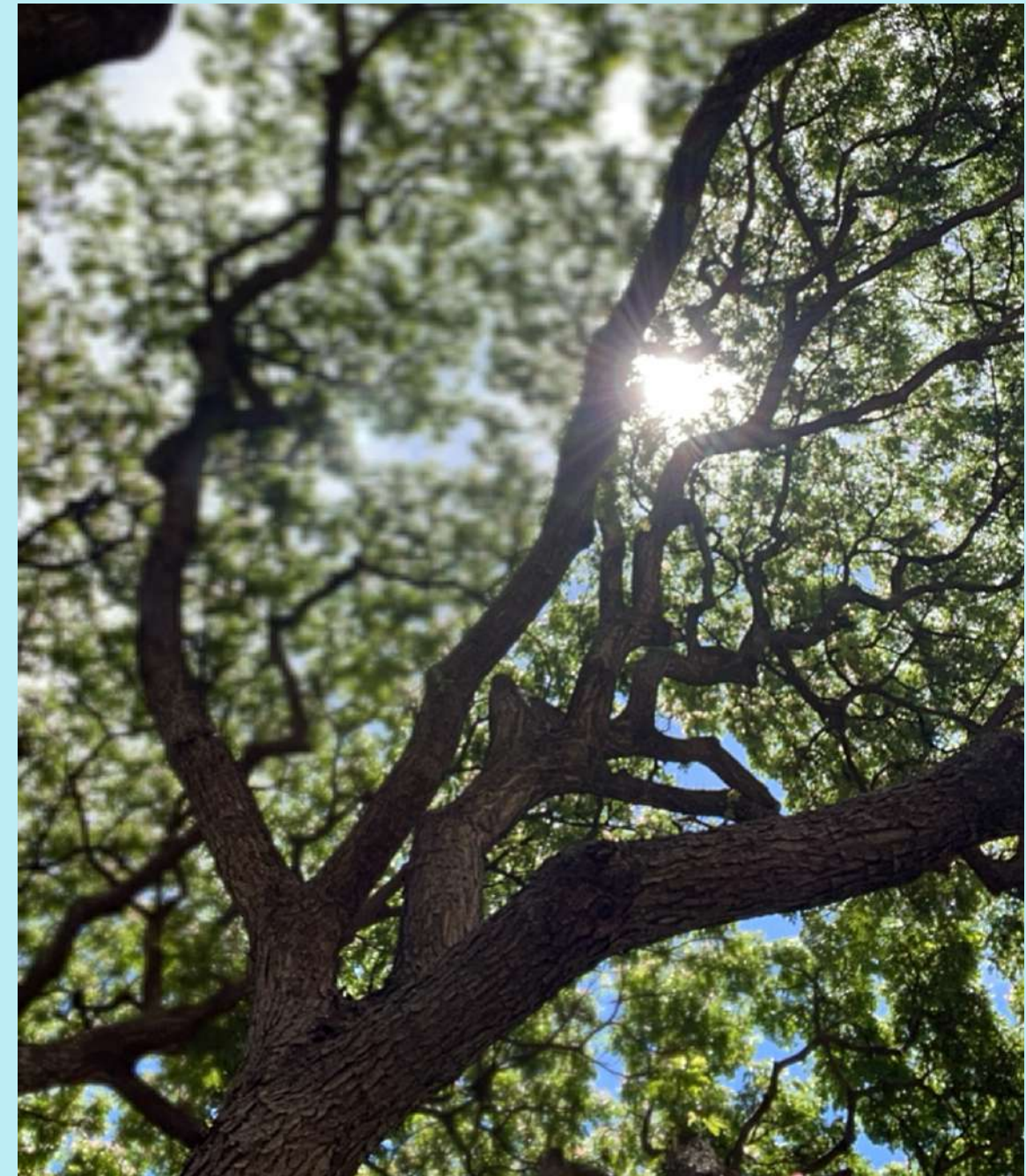
TREES AND THE ENVIRONMENT

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

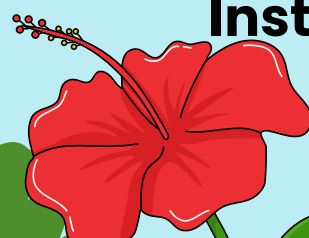
Nā kumulā'au & Ke Ao Kūlohelohe

Trees protect soil

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



Instagram: @treesforhonolulu



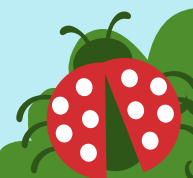
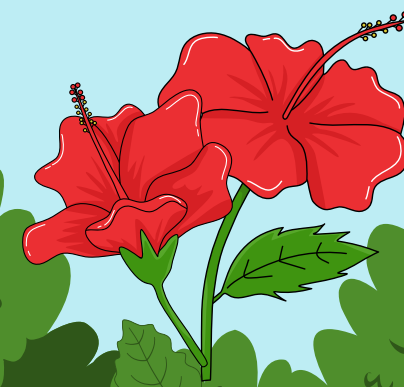
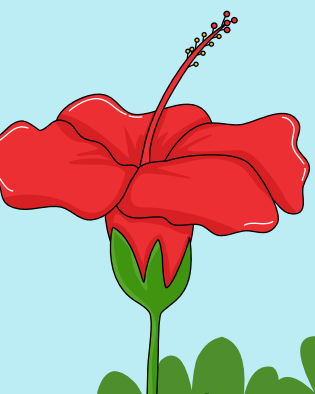
TREES AND CLIMATE

Nā kumulā'au & Ke Aniau



Quick Class Poll:

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



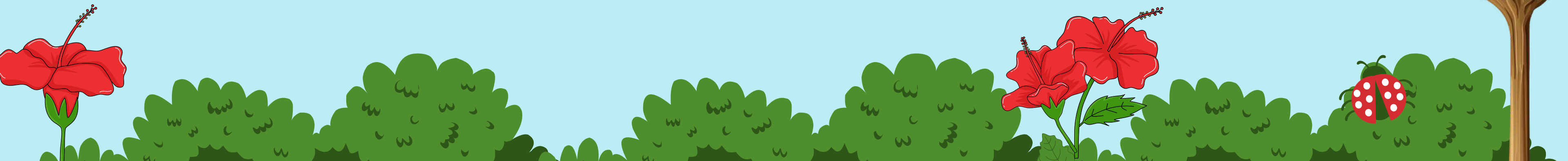
TREES AND CLIMATE

Nā kumulā'au & Ke Aniau



Think & Share:

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



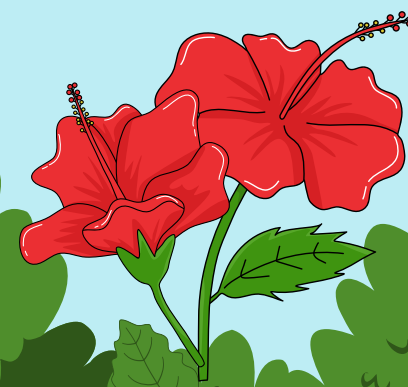
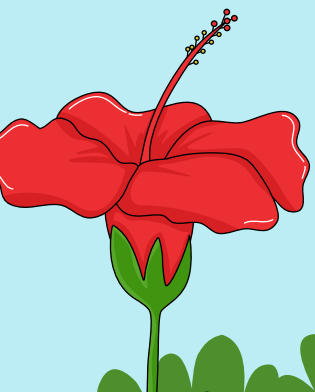
TREES AND CLIMATES

Nā kumulā'au & Ke Aniau



What ideas did you come up with?

List them:

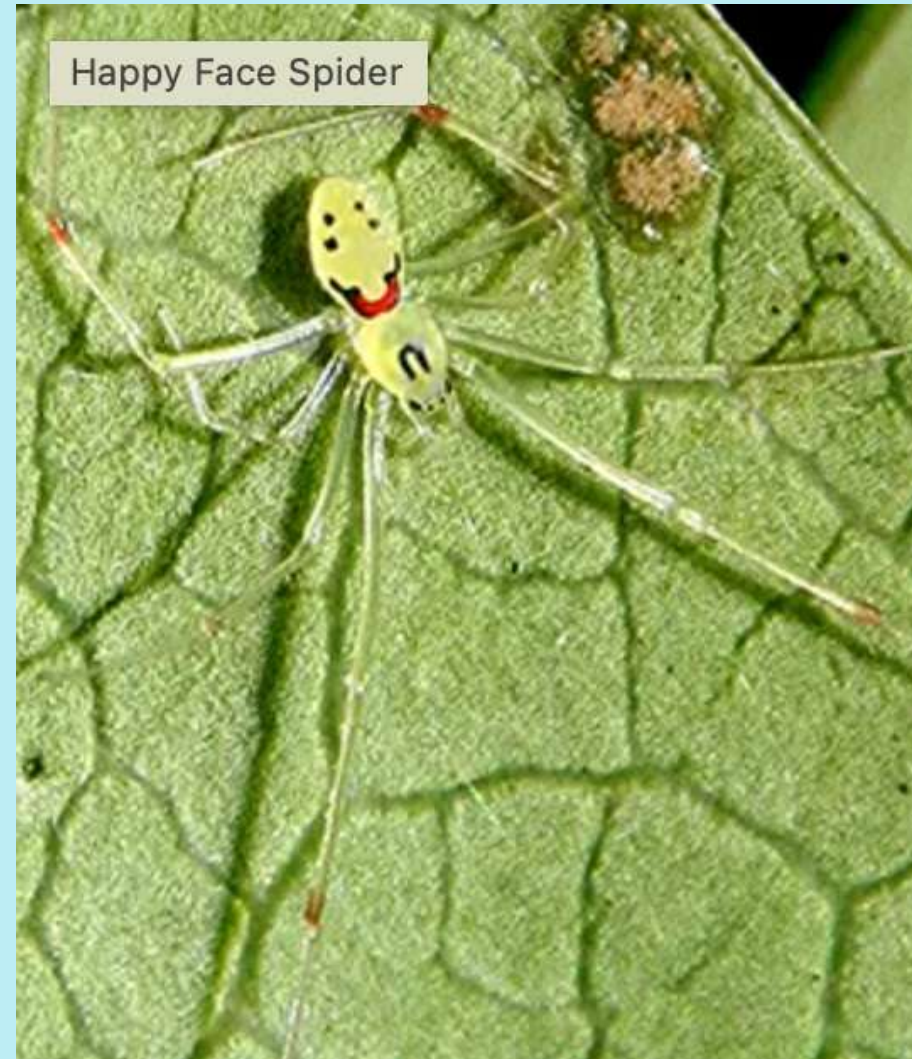


TREES AND ANIMALS

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?



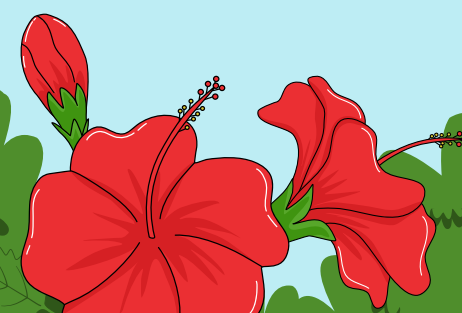
TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona



What do people use trees for?

Brainstorm your ideas here:



TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona

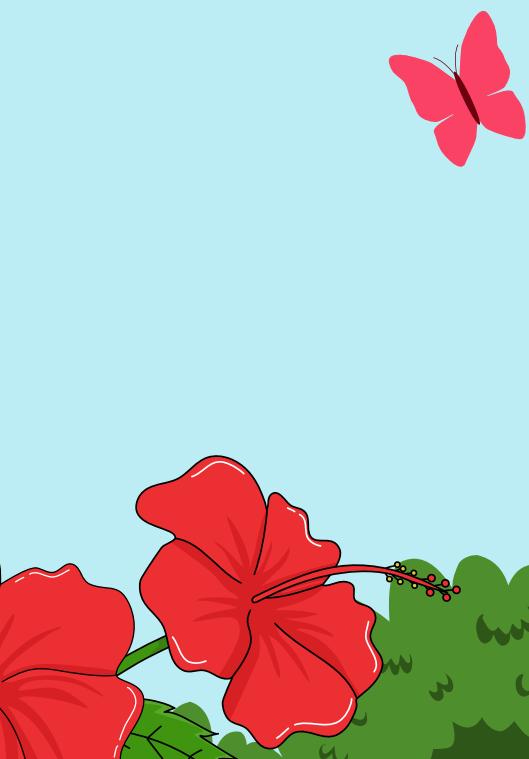
Food: Apples,
bananas, oranges,
nuts, guava, ulu,
mango



TREES AND PEOPLE

Nā kumulā'au & Nā Holoholona

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



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

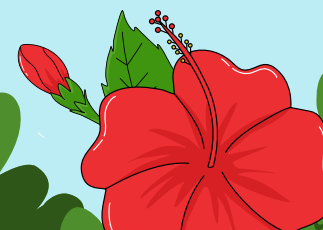
Nā kumulā'au i Pilikia ai



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 that has invaded several trees across the state.



TAKING ACTION

E hana i ka hana



Planting



Protecting



Educating



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:

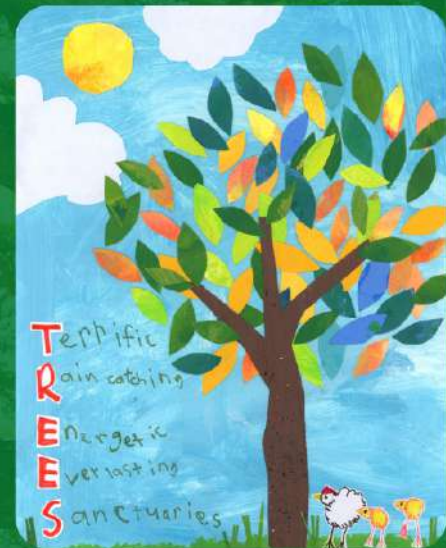
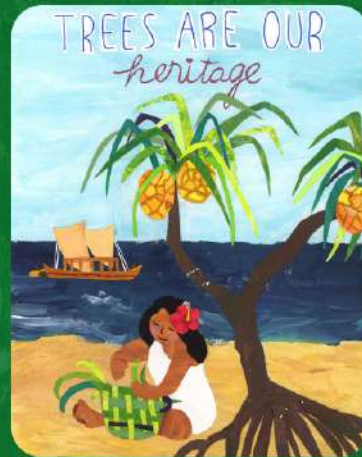


Artwork should express
why we love trees and
why they are important!

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



Scan the QR Code
for more info!



Mahalo Sponsors!



surf shack



Down to Earth
ORGANIC & NATURAL

AIOHA

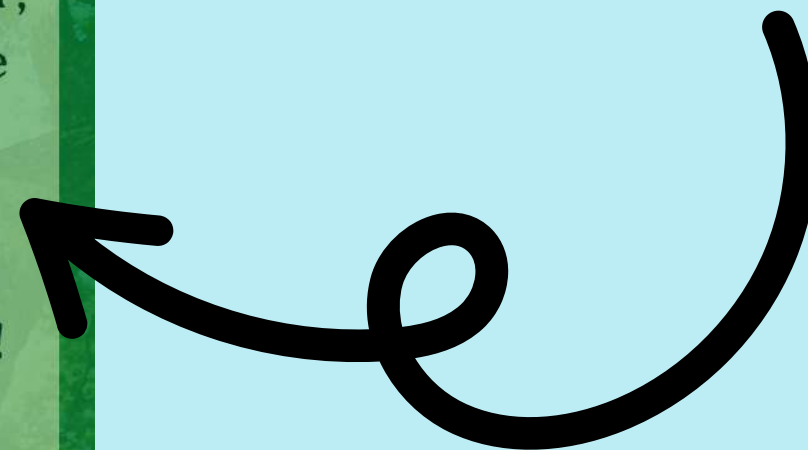
TINYHEARTS

AARP
Hawaii



little
Hands
HAWAII

**Click the
flyer to go to
the website
for more
details!**



TREES FOR
HONOLULU'S
FUTURE