

Lynn Hori's **Naturalist Songbook**



Lynn Hori is a Biology teacher emeritus from the Palo Alto Unified School district who has always focused on connecting her students to Biology through folk songs. She has spent many years hiking and exploring California from the coast to the sierras and deserts. After her retirement from the classroom she was fortunate to enroll in the 1st Cal Nat immersion course at UC Berkeley's Sagehen creek field station in 2013 and incorporate some of her songs into the Cal Nat program.



California Naturalist Song
to the tune of "This Land is Your Land"
lyrics by Lynn Hori

chorus

F Bb F
From the Sierra Nevada to the deserts of Mojave
 C7 F F7
We explore every mountain and hidden by-way
 Bb F
Discovery, Action and Stewardship, is our motto
 C7 F
CAL Naturalist that IS who we are

1st verse

F Bb
We explore and observe
 F
All the habitats around us
 C7 F F7
Taking photos and posting them, on iNaturalist
 Bb F
We love to share and make new connections
 C7 F
Comrades FOREVER we will be

Chorus

2nd verse

F Bb
With our awesome Cal Naturalist staff
 F C7
We learn about watersheds,
 C7 F F7
Invasive plants, and nasty non-native ants.
Bb F
We organize volunteers to do stewardship projects
 C7 F
And our Capstones will make them all very proud
Repeat chorus C7 F
Tag: And our Capstones will make they all very proud x2

CO₂ cycle song

Tune: She'll be Coming Round the Mountain

Lyrics: Lynn Hori

1st verse

CO₂ travels in a cycle...yes it does!
A green plant takes it in by photosynthesis...yes it does!
It get's made into Sugars
And eaten by little critters
And then exhaled again as CO₂... yes it does!

2nd verse

Too much CO₂ causes the "Green House" effect...yes it does!
It warms the earth and melts the glaciers...yes it does
We must STOP burning fossil fuels
And go back to riding Mules
And reduce our carbon footprint...yes we must!

3rd verse

Alternate energy like wind and solar is the way to go
And planting lots of trees as carbon sinks...this we know
Walking, Biking and public transportation
Will help us make the US a better nation
And reduce our global warming...this we know.

DNA SONG
Lyrics by Lynn Hori

DNA,
(repeat)

secret of live
(repeat)

Can't live without it
(repeat)

Can't reproduce!
(repeat)

Makes your eyes brown or blue

Makes you tall or short too

DNA without it, you wouldn't be you!!

“Oh Bio Blitzin’
(to the tune of “Oh Suzanna”)
by Lynn Hori

**Oh I come to (Sagehen meadows) with iNaturalist on my phone
And I’m going to do some observing of flora & fauna unknown!**

Chorus

**Oh Bio blitzin’ how fun it is to do
And we hope to find lots of species
To upload on web too!**

2nd verse

**We set out in the morning to find some real cool flowers
And now we wish we could stay out here for many more hours!**

Chorus

**We hope you’ll go out exploring for more species to be found
And enjoy all of nature’s wonders and beauty all around!**

chorus

Plant Song

“roots, stems, leaves, flowers, fruits & seeds”

Chorus

Roots, stems, leaves, flowers, fruits & seeds

Six parts, Six parts, six plant parts that plants & animals need

1st verse:

The ROOT anchors the plant to the ground

It soaks up water and minerals all around

Some roots like carrots are nummy to eat

They have lots of vitamins and taste better than meat!

Six parts, Six parts, six plant parts that plants & animals need

2nd verse

The stem is the structure that supports the plant in the ground

It's *xylem* carries water up and the *phloem*, sugars down

Some stems are fleshy and green like leaves

Others are woody and are used to weave!

Six parts, Six parts, six plant parts that plants & animals need

3rd verse:

The leaves are where photosynthesis takes place

They take in CO₂ and give off O₂ as waste

They make sugars that can be eaten by all

And some leaves turn pretty colors in the fall.

Chorus

Roots, stems, leaves, flowers, fruits & seeds

Six parts, Six parts, six plant parts that plants & animals need

THE CALIFORNIA UNICORN

1st F C7
A long time ago, when the Earth was green,
F
There were more kinds of California animals than you've ever seen
Bb
And they ran about and played while the Earth was being born,
C7 F
And the loveliest of all was the California unicorn.
Chorus F C7
There were Yellow legged frogs and black condors
F
Some humpty backed grizzlies and Grey wolves and more
Bb
Some bats and cats, woolly Mammoths, but sure as you're born,
C7 F
The loveliest of all was the California Unicorn.
2nd F C7
The Lord seen some sinning and it caused Him pain
F
And he said, "Stand back" I'm goin' to make the climate change
Bb
He said, "Hey Brother Noah I'll tell you a fact,
C7 F
Go make the Endangered Species Act!

chorus
To protect the Yellow legged frogs and black condors
Humpty backed grizzlies, Grey wolves and more
Some bats and cats and woolly Mammoths, but sure as you're born,
Be sure to protect the California Unicorn.

3rd F C7
And Noah got some help from folks like Rachel Carson
F
Who put some pressure on congress to start some legislation
Bb
And so the ESA was passed in 1973
C7
To protect many of the animals we still see today!

Chorus

Like the Yellow legged frogs and black condors

Humpty backed grizzlies, Grey wolves and more

Some bats and cats and woolly Mammoths, but sure as you're born,

Be sure to protect the California Unicorn.

4th F

C7

And as the Arc started protecting animals along the way,

F

It sailed right into San Francisco Bay

Bb

The unicorns fell in love with the SF Giants in their orange and black,

C7

F

And that's why there are no more unicorns...and that's a fact!

chours

Like the Yellow legged frogs and black condors

Humpty backed grizzlies, Grey wolves and more

Some bats and cats and woolly Mammoths, but sure as you're born,

You will have to look into ATT park to see a California Unicorn

The Classification Song

lyrics by Lynn hori

chorus

DOMAINS.....

C

The Kingdom

The Phylum

F

The Class

The Order

G

The Family

C

The Genus

The Species

(repeat)

Verse

C

F

Call us PLANTS—NO that would be wrong

G

The ANIMAL KINGDOM is where we belong!

Verse

Make up other verses that are not in the animal kingdom...

Example:

Call us Fungi, NO that would be wrong

Animal kingdom is where we belong..

THE ROCK CYCLE SONG

Tune "Garden song" Lyrics: Lynn Hori

1st verse

F Bb F
Mineral by mineral, heat and time
Bb F
Forms Igneous Rocks with crystals so fine
Bb Dm
And shapes our Sierra Nevada so tall
Bb C7
With Whitney, the highest of them all!

2nd F Bb F
Grain for grain, sand and rain
Bb F
Makes layers of sediment all the same
Bb Dm
From shale to sandstone and chert get formed
Bb C7 F
And from these our coast ranges are born!

3RD

F Bb F
Heat and pressure inside the earth
Bb F
To Metamorphic rocks they give birth
Bb Dm
Schist, Slate and Serpentine are found
Bb C7
Forming much of California's ground.

4th

F Bb F
Millions of years the Rock Cycle makes
Bb F
Mountains, canyons and alpine lakes
Bb Dm
Wind, rain and erosion shape our land
Bb C7 F
Forming California's diversity...so grand!

The Water Cycle Song

To the tune "She'll be Comin' Around the Mountain"

C

Water travels in a cycle...yes it does, yes it does

C

G 7

Water travels in a cycle...yes it does, yes it does

C7

C7

It goes up as Evaporation

F

Forms clouds by Condensation

C

G7

And comes down as Precipitation

C

Yes it does! Yes it does!

Repeat