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**Story of a Texas Hill Country Bird** 

José Arturo García Dominguez

*"The Tale of Chipilo"* was first written & printed in Spanish

In 2011 it was translated & printed in English

# La Historia de 🛥 Chipilo Crisopario

Con ilustraciones de José Raúl Vázquez Pérez

# **Author** José Arturo García Domínguez

His interest in birds began as a young boy watching birds at a nest outside his family's apartment

Arturo has worked on many wildlife conservation projects in México

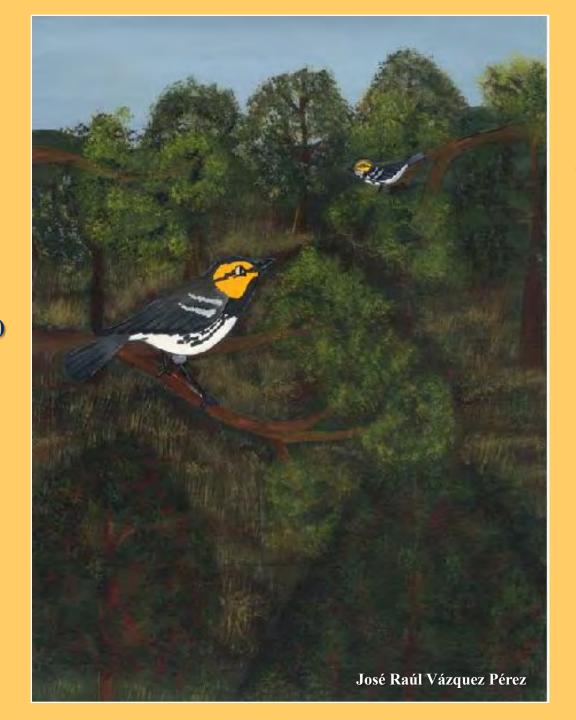


# **Illustrator** José Raúl Vázquez Pérez

His interest in birds began when he volunteered for a project to study birds in Chiapas, México

Raúl works to further conservation efforts in the cloud forests of Chiapas





Male (all black throat)

#### Female (white on throat)

What color are their cheeks?

### **Migration Route of Golden-cheeked Warblers**

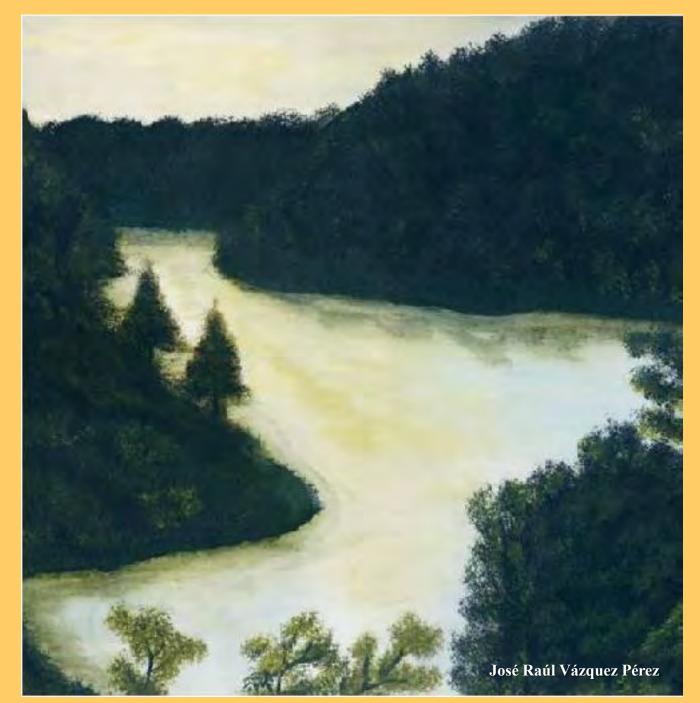


José Raúl Vázquez Pérez



Can you trace the migration route of a Golden-cheeked Warbler? Where does Warbli fly for her winter home?

Why does Chrys not go as far south as Warbli?



Where do Goldencheeked Warblers winter?

Where do they spend their summers and raise their young?

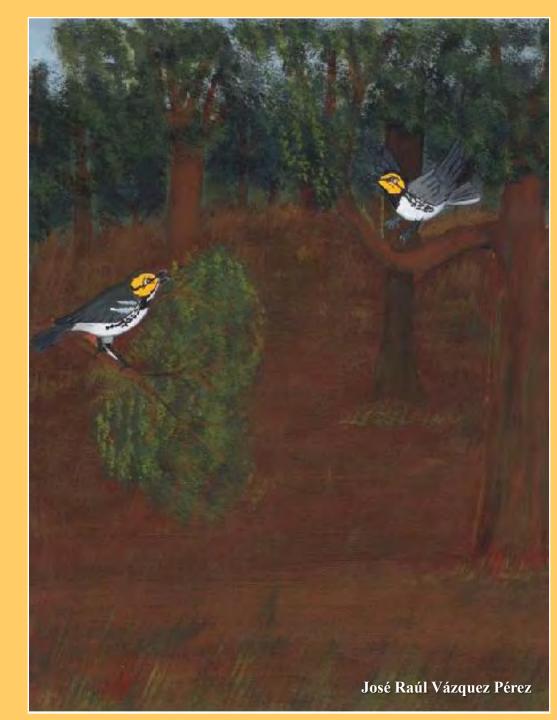
**Do they live anywhere** year-round?



#### Which one is Chrys?

#### Which one is Warbli?

#### How do you know?



Male Golden-cheeked Warbler singing from an Ashe juniper tree



#### Who is this?

# What type of tree?



### **Female Golden-cheeked Warbler –** *why?*

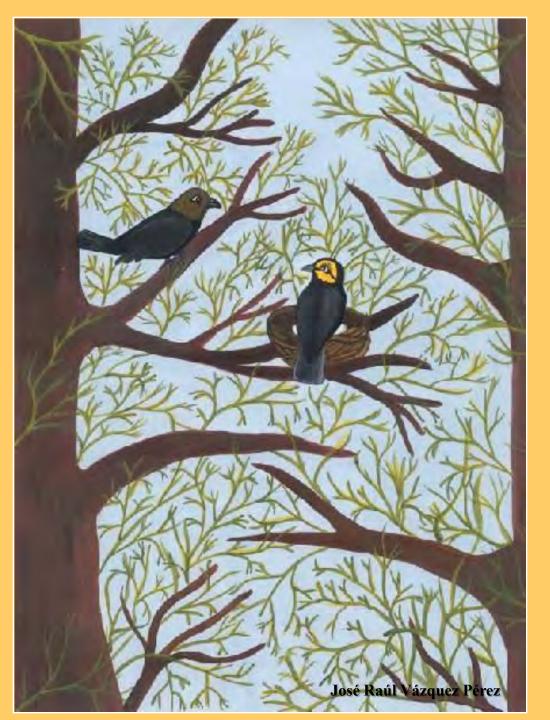


# Golden-cheeked Warbler nest made of strips of Ashe juniper bark and lined with feathers



#### Male Brown-headed Cowbird

# What doesn't make sense about this picture?



#### **Cowbirds once traveled with roaming herds of American bison**



- Today cowbirds feed in areas with grazing animals
- They no longer follow herds of American bison great distances
- One female cowbird can lay up to 40 eggs per season in nests of other songbirds. *What effect might this have on songbirds?*



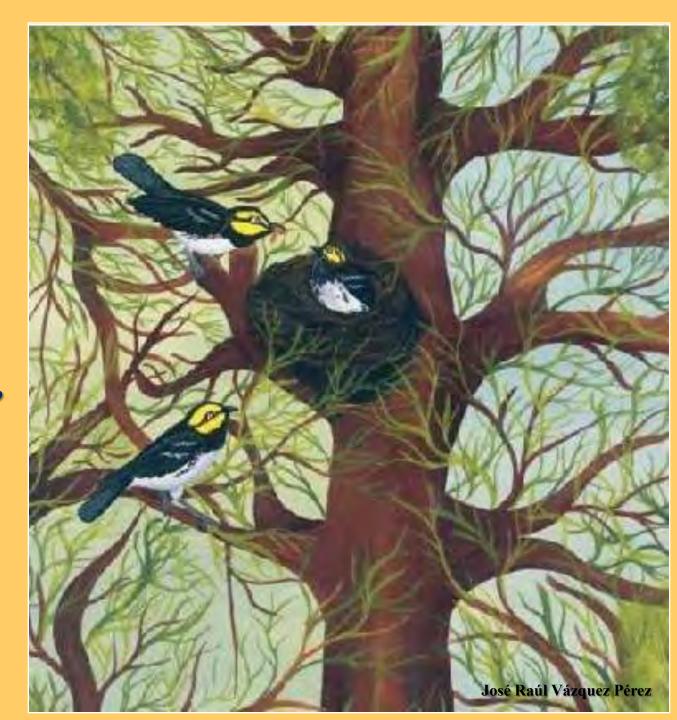
# How are female Brown-headed Cowbirds different from males?



#### Male Golden-cheeked Warbler feeding a Brown-headed Cowbird fledgling. *What do you notice about their sizes?*

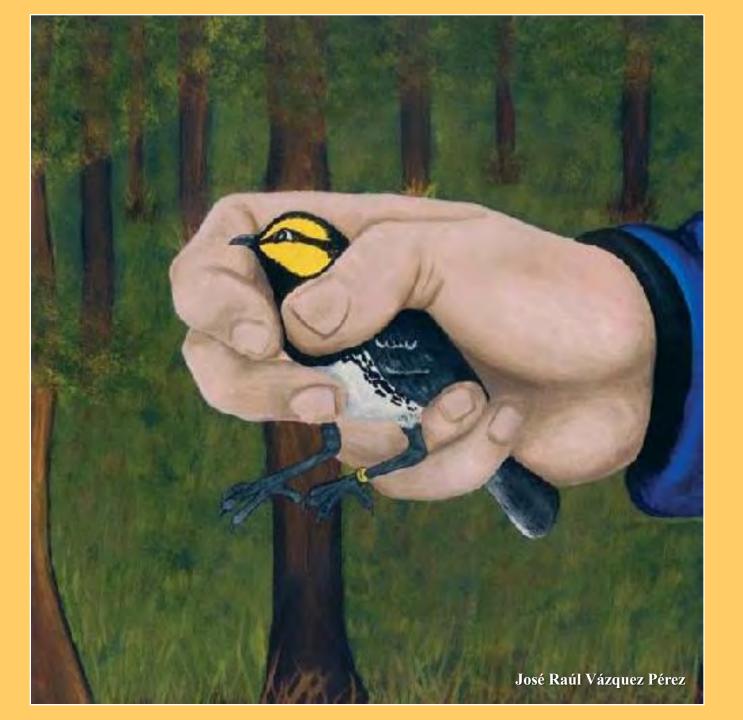


Who takes responsibility for feeding the young?



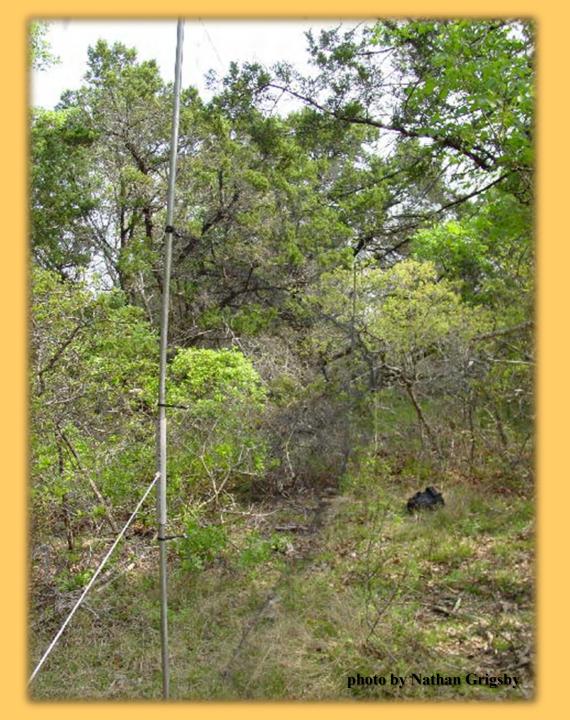
# What do warblers eat?





# Can you see the net in this picture?

# Would it be hard for Chipilo to see it?

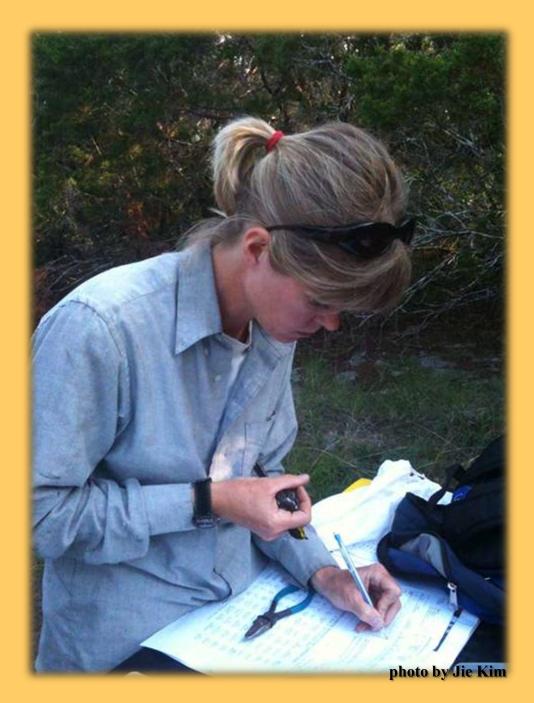


#### A wildlife biologist extracts a Golden-cheeked Warbler from the net



She takes careful measurements of the bird's weight and wing length

She also records the bird's gender and age



# She carefully applies a special band on the Golden-cheeked Warbler's foot so it can be easily recognized



#### She used three bands to identify this Golden-cheeked Warbler



A close-up view of a Townsend's Warbler before releasing him

How is he different from a Golden-cheeked Warbler?

How do you think the bird is really feeling at this moment?



# Is this Chrys or Warbli? Why?





### warblers =

Which one is Chipilo?

How can you tell?

flycatcher

vireo

José Raúl Vázquez Pérez

# This is Chipilo's friend, Mohawk. Can you see where he gets his name?



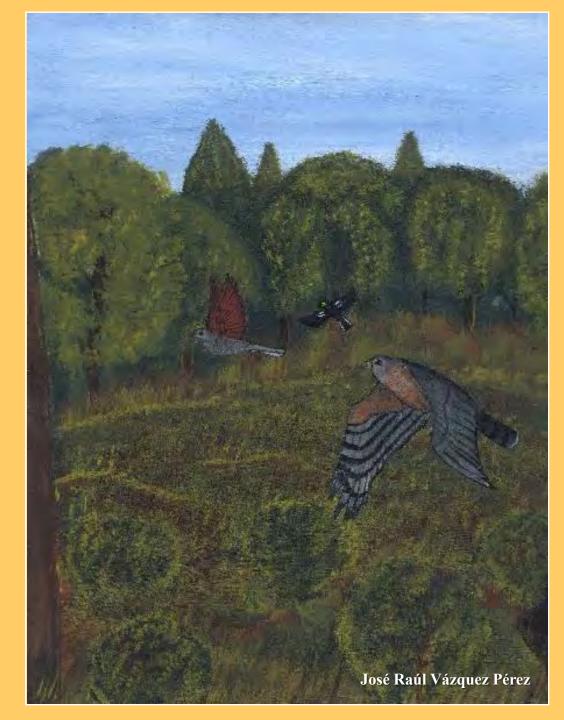
### **Another of Chipilo's friends is a White-eyed Vireo.**



# Another friend is a Wilson's Warbler. How is he like Chipilo? How is he different?



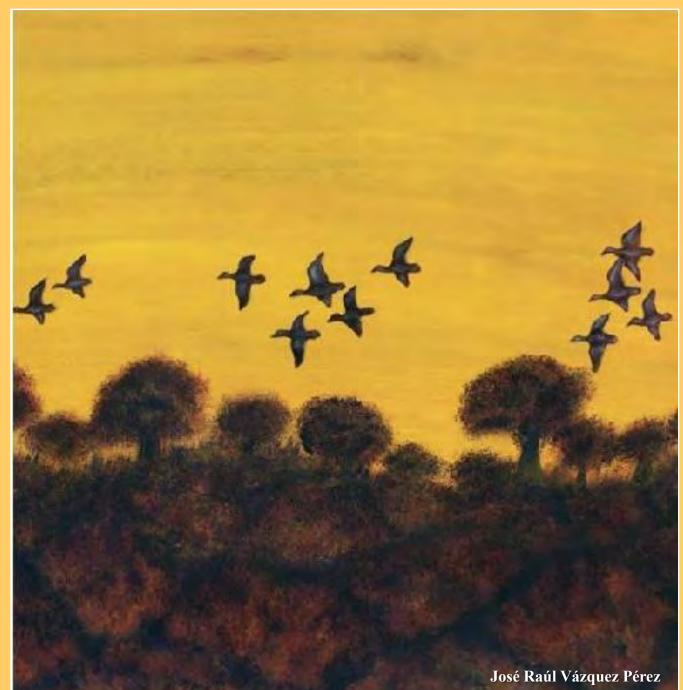
# Can you point out the "unfortunate dove?"



# **Cooper's Hawk** What is this hawk's role in the food chain?

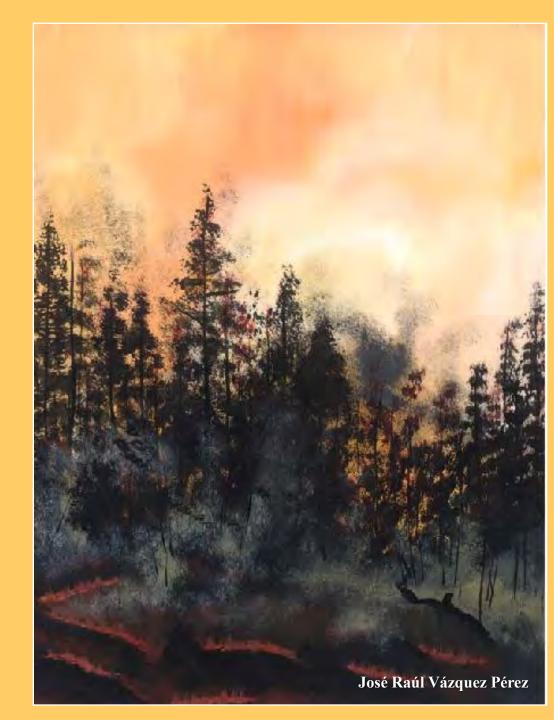


What does it mean for a bird to "follow its instincts?"





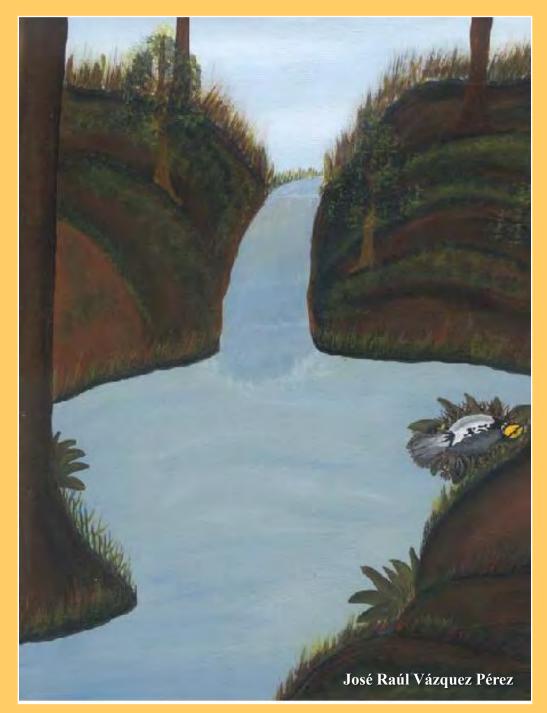
### Why is it more difficult for birds to detect fire than for mammals?

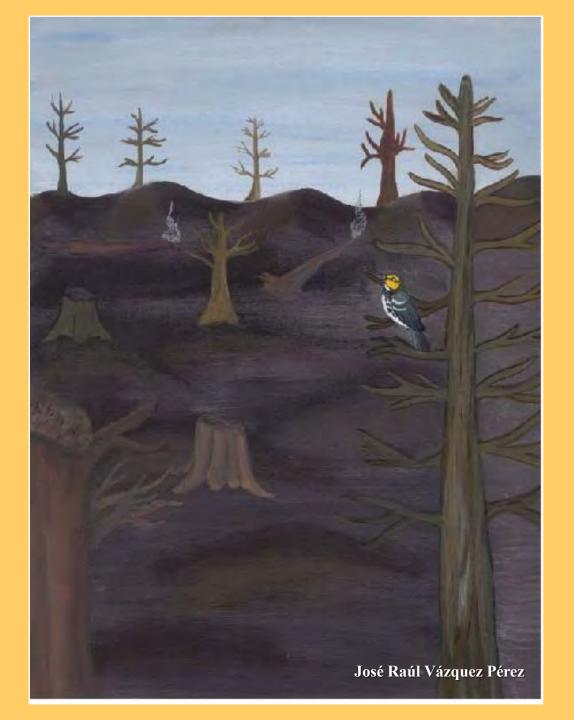


## What saved Chipilo from drowning?

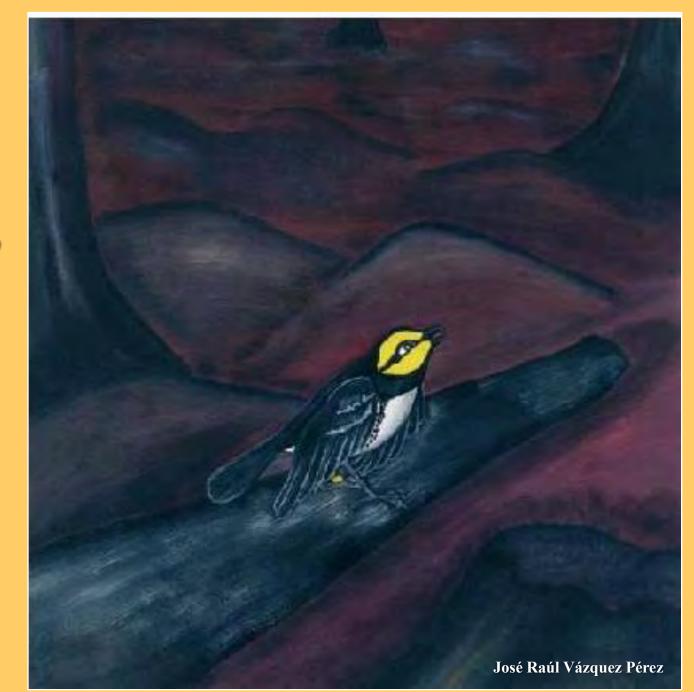
## How did he feel when he awoke?

What did he see?





How is Chipilo feeling at this point in the story?



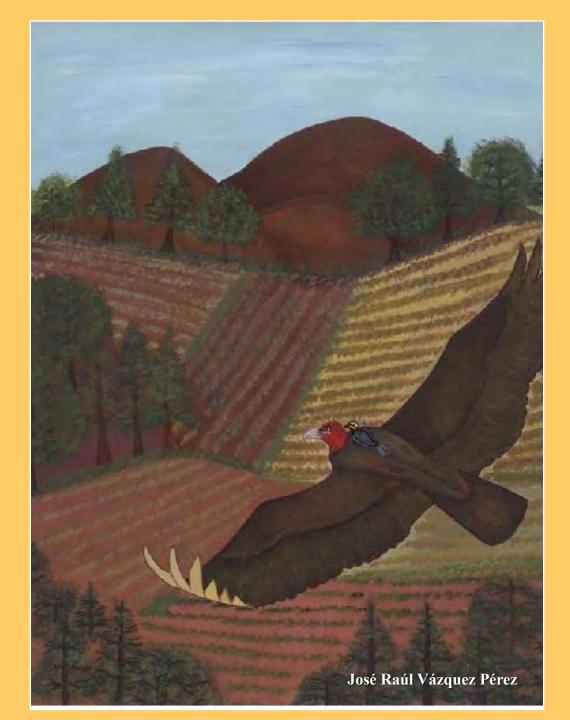
What did Chipilo think had happened to this bird's face?

What do you think will happen next?



## What are some of the ways in which a wildfire could start?

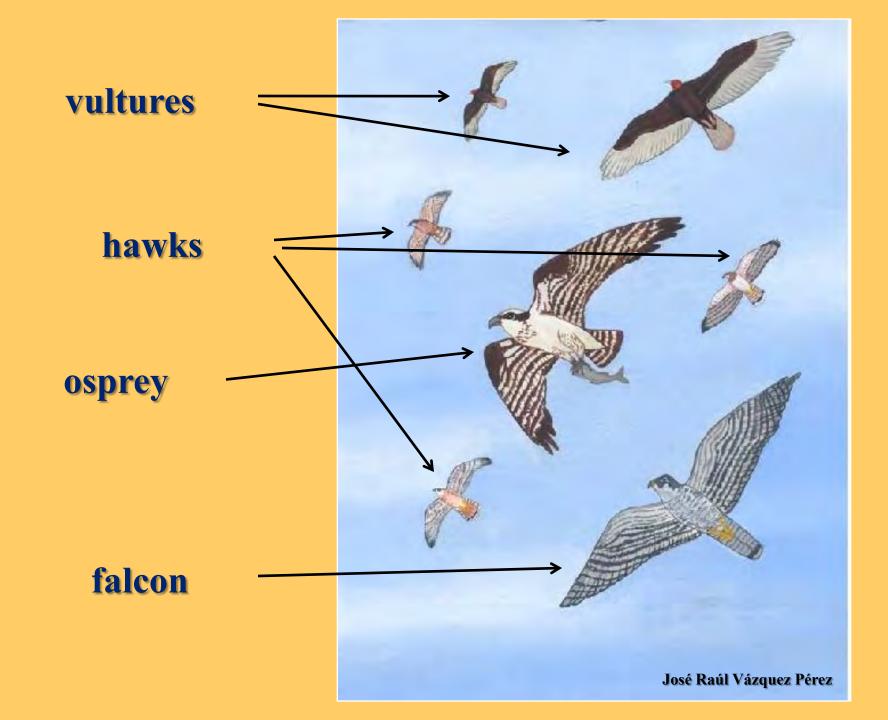




What did Chipilo notice about the forests?

"Thermals" are air masses that rise up into the sky as they are warmed by the sun's rays

How do they help Doña Aurelia?



#### Mural depicting "Veracruz River of Raptors" Cardel, Veracruz, México Do you see the bird watchers?



#### A large group of migrating raptors is called a "kettle"

#### How many hawks can you estimate are in this photo?

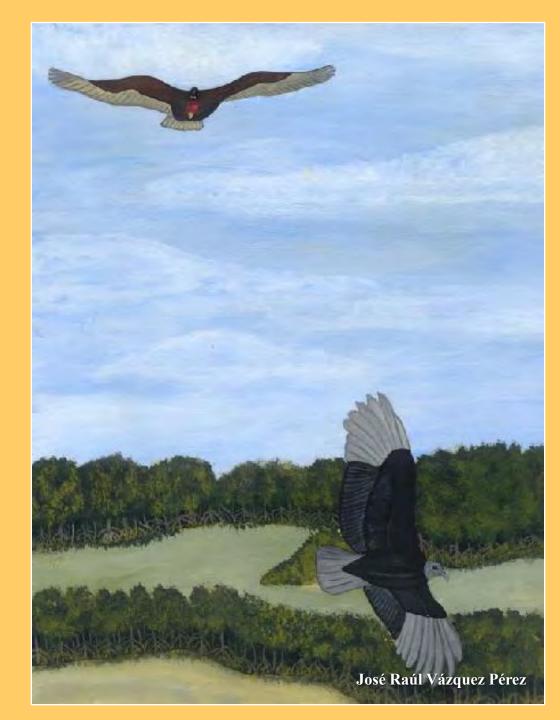


## What is different about:

Doña Aurelia (Turkey Vulture)

and

Corag? (Black Vulture)



## Who is this? Why?



## Who is this? Why?



#### What is a carrion eater?



What important role do vultures play in nature?

#### **Zoque Forest in southern México**

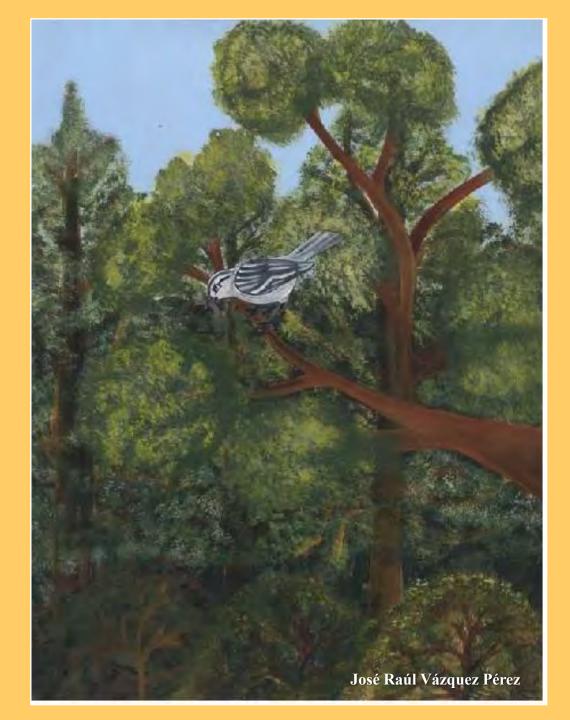




http://www.freeworldmaps.net/northamerica/mexico/political.html

### How do Black-and-White Warblers move in trees?

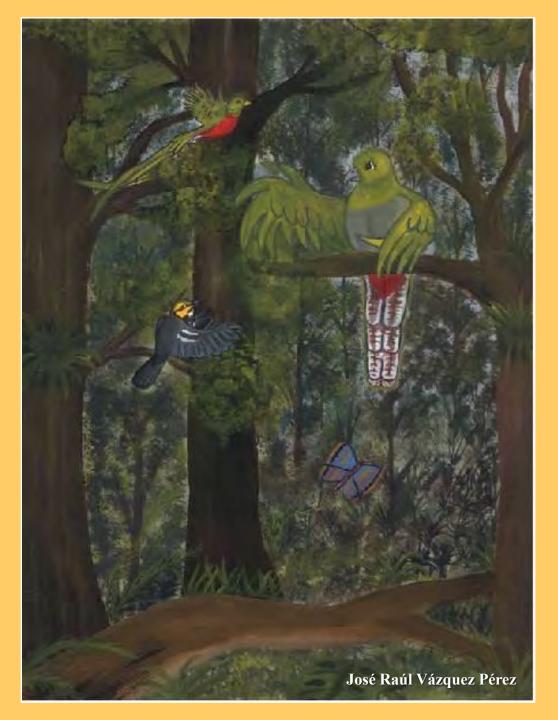
# How might this be useful to them?

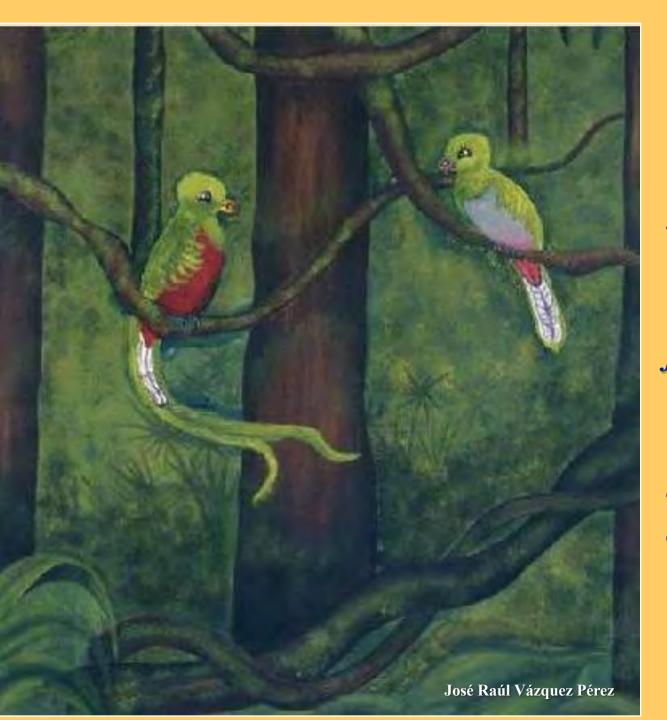


### A Black-and-White Warbler caught in a net



## What did the birds appreciate about Coapilla?





Which is the male? Which is the female? Why do you think they are different?

The Emerald Toucanet has a long sturdy beak

What kinds of foods do you think the beak is adapted for eating?





And the true-life story continues today... photo of a Golden-cheeked Warbler taken in the winter of 2011 in México . Can you find the warbler?



## Alignment

\*Alignment is provided for English Language Arts and Reading, Mathematics, Science and Social Studies where applicable and color-coded for each grade level.

Grade 3 (red) Grade 4 (blue) Grade 5 (green) Grade 6 (purple)

English Language Arts & Reading student expectations: 3, 4(A,B), 8(A-C); 1, 2(A,B), 6(A-C), 13(B); 1, 2(A,B), 6(A-C), 13(B); 1, 2(A,B), 6(A-C), 12(B)

Mathematics student expectations: 11(A)

Science student expectations: 3(A,D), 7(C), 9(A-C), 10(A,B); 3(A,D), 7(B,C), 8(C), 9(A,B), 10(A); 3(A,D), 7(B,C), 8(A), 9(A-D); 3(A,D), 10(C), 12(E,F)

Social studies student expectations: 4(A,D), 5(A-D), 17(C,E); 6(A), 7(B,C), 9(C), 21(A-C), 22(A); 6(A), 7(B,D), 9(B), 24(A-C), 25(A); 3(A-C), 4(D,F), 6(B), 21(A-C), 22(A)

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