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Module 13: Birds in the Urban Landscape

Urban EcoLab

May 2021

Sample Two-Column Notes - Hummingbird Video

Center for Urban Resilience

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SAMPLE

Two-Column Notes

Date: _____

Topic: Hummingbirds: Messenger of the Gods

Main Ideas (Topic)	Details
Anna's	• can hover
So Cal	• fly backwards
	• advertise presence w/ feathers
Costas	• colors
Colorado	• can dive @ 60 mph
desert	• iridescent feathers
	• possession of territory is critical
	• eat nectar
	• help with pollination
	• hummingbirds evolved first in So America
	• only found in the western Hemisphere
	• can still fly in the rain
	• plants have evolved to attract hummingbirds
	• warm blooded
	• active all day long no matter the weather
	• 12 plants in the mountains of So America are pollinated by hummingbirds
	• the Giant hummingbird = 1st hummingbird
	• tiniest, smallest humm. in world -
	• hummingbird flower
	- long
	- tubular
	- out on a limb
	- no scent - doesn't attract insects - only get poll. by hummingbirds

Two-Column Notes

Date: _____

Topic: _____

Main Ideas

Details

wing beat

• in flight
• resting

• torpor

incubation

• long thin bills and long
tongues

• swordbill - has specific
bill shaped for flower

• fused bones

• rigid

• 70 x per second

• convert nectar (food
to glucose faster than any animal

• 1200 bpm

• 480 bpm / 70 bpm human

• requires food every
10 mins

• @ night go into a night
hibernation called torpor

36 bpm / temp from
110° to (55°)

15,000 ft. Andean Hillstar

just below snow line

- cold, thin air

• all hummingbirds lay only
2 eggs, small white

• drops body temp when
incubation

• 100 per session

20x / day = 200 insects
in a day