

Lesson 1 – The Chimp Life



In this lesson, students will learn about Chimp Haven, the basic characteristics of chimpanzees, and how chimpanzees and humans aren't that different.

Crosscutting Concepts – cause & effect, patterns, stability & change

NGSS Reference – MS-LS2-2 Ecosystems: Interactions, Energy, and Dynamics

Clarification Statement: Emphasis is on predicting consistent patterns of interactions in different ecosystems in terms of the relationships among and between organisms and abiotic components of ecosystems. Examples of types of interactions could include competitive, predatory, and mutually beneficial.

Vocabulary

- **Alpha** – the highest ranking chimpanzee in a troop
- **Bipedalism** – form of movement where an animal moves by means of its two rear limbs or leg (two-feet)
- **Chimpanzee** – a Great Ape originating from Africa who is the closest living relative to humans
- **Great Ape** – a large primate of the family Pongidae which includes the chimpanzee, bonobo, gorilla, and orangutan
- **Omnivore** – an animal who eats both plants and other animals
- ***Pan troglodytes*** – scientific name of the common chimpanzee
- **Sanctuary** – a place where animals live for the rest of their lives under protection and cared for by humans
- **Thorax** – The part of a mammal's body between the neck and the abdomen
- **Troop** – a chimpanzee community or chimpanzee group
- **Vertebrae** – each of the series of small interlocking bones forming the backbone and spinal column



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Time	Teacher	Student
<p>Engage</p> <p>10 mins</p>	<p>Introduce students to the concept of the sanctuary by explaining that they'll watch an introductory video about Chimp Haven. Before students watch have them consider "What do you think chimpanzees need to live good lives?"</p> <p>Living the Chimp Life Video</p> <p>Have students fill out an anticipation guide to activate their chimpanzee and sanctuary knowledge.</p>	<p>Brain Dump</p> <p>Have students write down what they learned from the video, their thoughts, reactions, and what they still want to know.</p> <p>Anticipation Guide</p> <p>Have students fill out the "before" section of the anticipation guide and discuss why they chose whether they agree or disagree.</p>
<p>Explore</p> <p>20 mins</p>	<p>Ask students what they learned from the video.</p> <ul style="list-style-type: none"> • Go over the vocabulary words with students or have them read through independently. • Share that Chimp Haven acknowledges chimpanzee residents as individuals and that they aren't that different from humans. • Ask students to take five minutes exploring the web page to learn more. Have them consider "Why can't chimpanzees formerly used in research be released into the wild?" • For more information about the sanctuary visit the link. <p>About Chimp Haven Web Page</p>	<p>Research</p> <p>Have students take five minutes to explore the web page and consider their anticipation guide.</p>
<p>Explain</p> <p>15 mins</p>	<p>Have students read the blog post on myths and facts of chimpanzees after they fill out the "before" section of the anticipation guide.</p> <p>Myths and Facts Blog</p>	<p>Anticipation Guide</p> <p>Have students fill out the "after" section of the anticipation guide and ask them to share some of their misconceptions with each other and name something that they learned from the blog post.</p> <p>Features Exercise</p> <p>Ask students to try to find identifying features of chimpanzees and tell it to a friend.</p>

<p>Elaborate</p> <p>15 mins</p>	<p>Present the ideas that chimpanzees and humans have many similarities and differences, which Chimp Haven acknowledges when creating their care plans.</p> <ul style="list-style-type: none"> • Have students consider “What are some of the physical and behavioral differences between the two species?” while watching the video. <p>Human vs. Chimp Skeleton Video</p>	<p>We’re Not that Different Activity</p> <p>Ask students to fill out the worksheet.</p>
<p>Evaluate</p> <p>30 mins</p>	<p>Hold a discussion with students as a whole or in small groups.</p> <p>Care staff at Chimp Haven have to learn how to identify all chimpanzees in their care by sight within their first 90 days. Now that the students have more knowledge about chimpanzees and human similarities have the students get to know some of the residents and take a fun quiz to see if they can identify them.</p> <p>My Favorite Chimp Bonus Video</p>	<p>Discussion</p> <p>Hold a discussion with students as a whole or in small groups.</p> <p>Chimpanzee Identification Activity</p> <p>As a bonus activity have students test their identification knowledge by taking the quiz.</p>



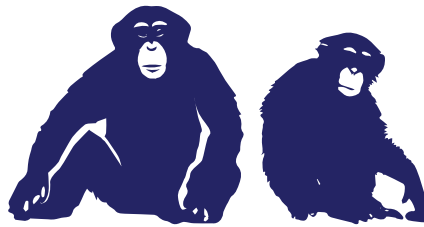
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The Chimp Life

-Brain Dump-



Take 5 minutes to jot down what you learned from watching the video about Chimp Haven. You may include your personal reflections, reactions, and questions!



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The Chimp Life - Anticipation Guide

Before			After	
Agree	Disagree		Agree	Disagree
		Chimpanzees are monkeys		
		Chimpanzees are omnivores		
		All chimpanzees communicate using sign language		
		Male and female chimpanzees can be the alphas of a chimpanzee group		
		Chimpanzees point to objects they want using their fingers		
		Chimpanzees smile like humans do		
		Chimpanzees all look and act the same and are difficult to identify individually		
		Chimpanzees laugh like humans do		

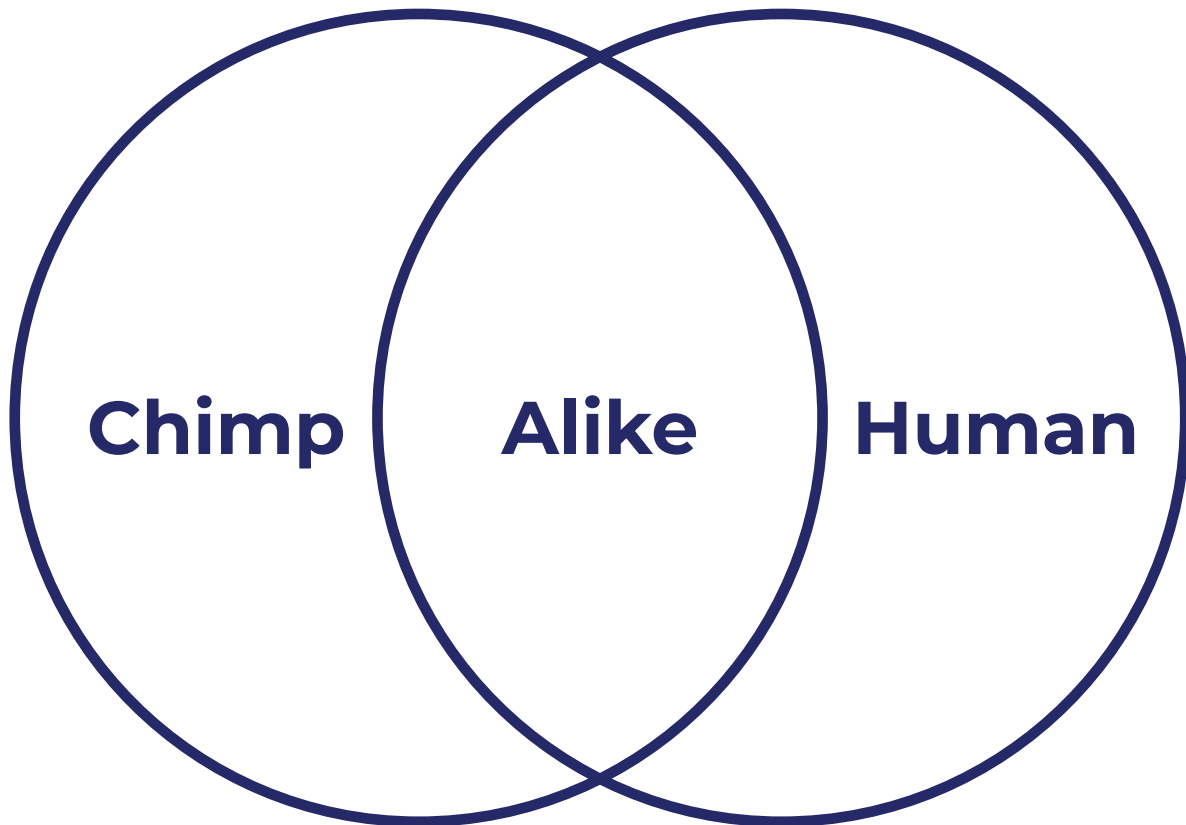
Did your answers change? If so, explain why.



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The Chimp Life – We're Not That Different



- Have opposable thumbs
- Sleep in beds
- Have sharp, large teeth
- Can get a tan
- Have fingerprints
- Can swim
- Make and use tools
- Have opposable thumbs on feet



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The Chimp Life– Discussion Questions



1. What is a sanctuary and what types of things do chimpanzees need to thrive in a sanctuary environment?
2. What are some of the ways chimpanzees and humans are similar physically?
3. What are some of the ways chimpanzees and humans are similar behaviorally?
4. What is the alpha of a chimpanzee group?



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The Chimp Life– Chimp ID Quiz

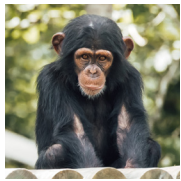
Learn what makes some of the chimpanzees unique both physically and in their personalities. Take a quiz to see if you can match them up.



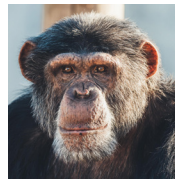
Austin is a sweet guy who often seems to be very deep in thought. He's laid-back and relaxed, and enjoys spending a good sunny afternoon lounging around on the structure in his yard. He reminds staff of a quintessential surfer, very go-with-the-flow and mellow.



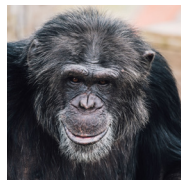
Flora was named "Chimp You'd Most like to Have as a Mom" and it's no mystery why: She's a wonderful, nurturing mother and group mate. She's very in-tune with her daughter, Valentina Rose, and never likes to be too far away from her. She's attentive, smart, and a great teacher during enrichment, but she's also quick to discipline when Rosie gets out of line!



Carlee brings the fun wherever she goes. Her growing independence has her climbing up high in the trees and getting into new adventures every day. She has plenty of adolescent cousins to play with, but she still loves to spend lots of time with mom, Passion, and her favorite auntie, Sara Soda.



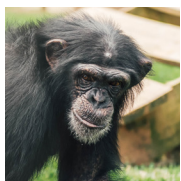
Jeff Lebowski is known around the sanctuary for his handsome good looks. Since arriving at Chimp Haven in 2014, he's charmed staff and chimps alike with his funny, laid-back personality.



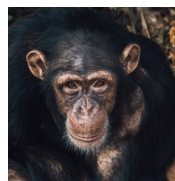
Hugo is boisterous male. Despite being younger than the more established males, Hugo's confidence and poise have helped him reach alpha status. Sometimes he likes to cause a ruckus, but his sheepish grin always gives away his playful intentions.



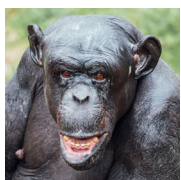
Ladybird retired to Chimp Haven in 2011 and is well-known for her sweet face and compassionate personality. A goofy smile from Ladybird could brighten anyone's day! She and the other "golden oldies" in her group can often be found patrolling their habitat or exploring the forest.



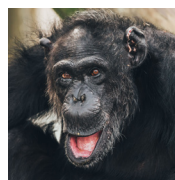
Onyx likes to act rough-and-tumble, but she's also a total mama's girl. She loves to play out in the rain (which makes her hair curl, so cute!). Her brow ridge makes her look mischievous, but really she's just a funny little sweetheart.



Valentina Rose brings a fun, playful personality to her group. She loves a good game of chase with Mason or Jimmy, and she's a great tree climber. She usually grabs her morning produce and takes it straight up into the trees to eat. As she grows, her mom (Flora) still remains close by to keep a watchful eye.



Hope is the socialite of her group – everyone wants to be seen with her. The first time she was introduced to her new pals, it was clear she was going to be Miss Popularity, making friends quickly and putting the whole crew at ease. She's also a bit of a ham and loves fishing for attention from the care staff. So, what do you get the girl who loves the chimp life? In this case, something to carry in her hip pocket. She's known at the sanctuary for always carrying the latest accessories.



Jacob is an active member of a large social group. Though he is old and arthritic, he still climbs to the top of play structures for grooming sessions with his groupmates and panoramic views of the sanctuary. He also makes excellent nests. Jacob is easygoing and very loyal to his friends at Chimp Haven. He's a good caregiver, always close by when buddies are under the weather or in a gloomy mood. Jacob loves food and enrichment of all kinds.



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The Chimp Life- Chimp ID Quiz

Learn what makes some of the chimpanzees unique both physically and in their personalities. Take a quiz to see if you can match them up.

Valentina Rose

Jacob

Onyx

Ladybird

Hugo

Austin

Carlee

Flora

Jeff Lebowski

Hope

Alpha of his group

Very social and loves to make new friends

Mischievous and loves to play in the rain

Charming and very handsome

Sweet, laid-back, and relaxed guy

Adventurous, but still loves to spend time with mom

Easy-going, loyal, and an excellent nest maker

Fun, playful, and loves a good game of chase

Nurturing mother and a great teacher

Golden-oldie with a goofy smile



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The Chimp Life - Anticipation Guide (Answers)

Before			After	
Agree	Disagree		Agree	Disagree
		Chimpanzees are monkeys		●
		Chimpanzees are omnivores	●	
		All chimpanzees communicate using sign language		●
		Male and female chimpanzees can be the alphas of a chimpanzee group	●	
		Chimpanzees point to objects they want using their fingers	●	
		Chimpanzees smile like humans do		●
		Chimpanzees all look and act the same and are difficult to identify individually		●
		Chimpanzees laugh like humans do	●	

Did your answers change? If so, explain why.



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The Chimp Life– Discussion Questions

(Answers)



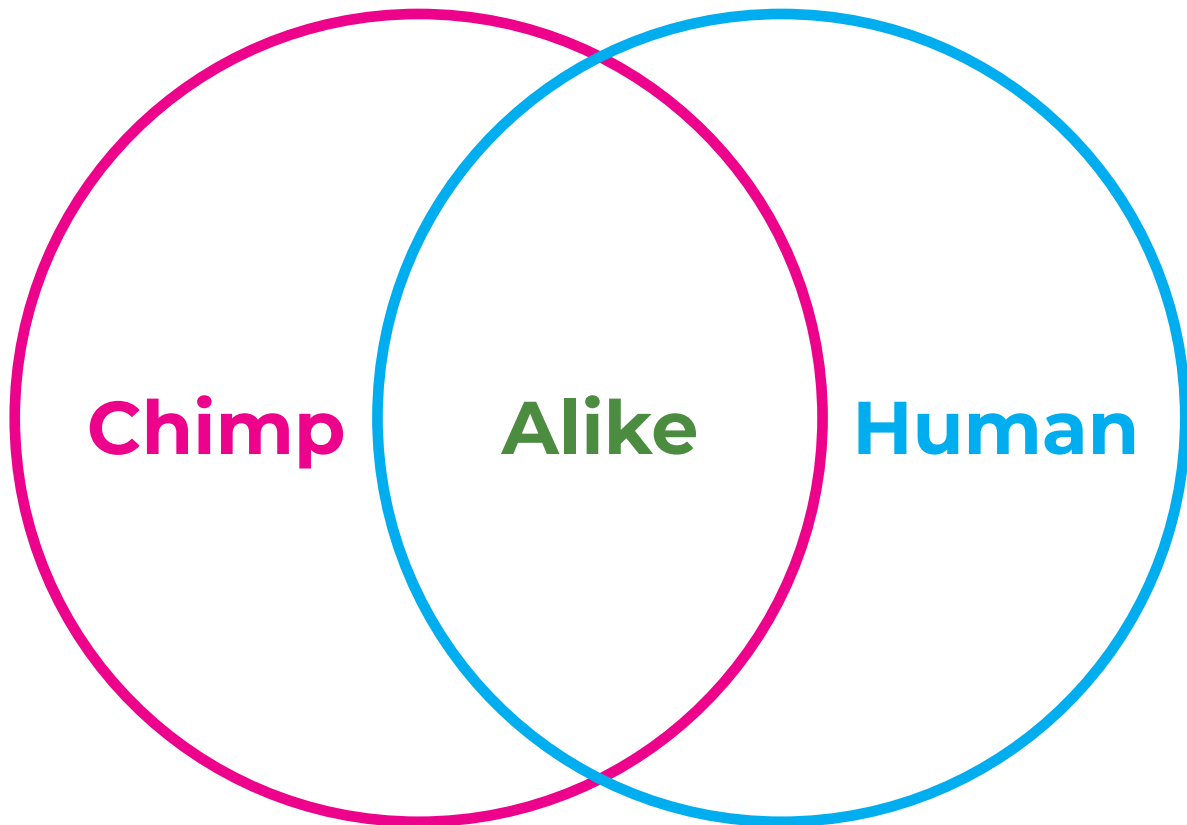
1. What is a sanctuary and what types of things do chimpanzees need to thrive in a sanctuary environment?
 - Sanctuaries are safe havens for animals.
 - Sanctuaries provide human care to animals.
 - Chimpanzee sanctuaries like Chimp Haven provide necessities like food, water, and shelter.
 - Chimpanzees need enrichment.
 - Chimpanzees need choice.
 - Chimpanzees need social experiences.
2. What are some of the ways chimpanzees and humans are similar physically?
 - Chimpanzees have one more thoracic vertebra than humans
 - Chimpanzees have one less lumbar vertebra than humans
 - Chimpanzees walk on all fours
 - Humans work bi-pedal
 - Chimpanzee chin areas protrude more than humans
 - Chimpanzees have much larger canine teeth than humans
 - The chimpanzees' largest bone is the humerus
 - The humans' largest bone is the femur
 - Chimpanzees have much longer fingers and shorter thumbs
 - The cranial area is large for both humans and chimpanzees
3. What are some of the ways chimpanzees and humans are similar behaviorally?
 - Chimpanzees and humans are both able to have relationships with others in their species.
 - Chimpanzees and humans are purposeful pointers.
 - Chimpanzees laugh like humans.
 - Chimpanzees and humans all have individual personalities.
 - Chimpanzees and humans are both omnivorous.
4. What is the alpha of a chimpanzee group?
 - The leader of the group
 - Can be male or female
 - Can change based on the troop dynamic



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The Chimp Life – We're Not That Different



- Have opposable thumbs
- Sleep in beds
- Have sharp, large teeth
- Can get a tan
- Have fingerprints
- Can swim
- Make and use tools
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Adventurous, but still loves to spend time with mom

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