

Teacher's Guide for ODYSSEY™: Jane Goodall: Chimp Champion

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Teacher's Guide prepared by: Lois Sepahban, B.A., M.A. Lois has taught students of all ages from kindergarten to high school. She teaches and writes in California.

You Tarzan, Me Jane Goodall (4-7)

Reading for Understanding

1. What did Robert Yerkes want to prove with his experiments on chimpanzees? *That chimpanzee emotions were similar to human emotions, and that chimpanzees were capable of rational thinking.*
2. What did Louis Leakey hope to learn from chimpanzees? *How prehistoric humans may have lived.*
3. What characteristics made Jane Goodall good at observing chimpanzees? *She could sit quietly and patiently for hours, and she knew that she had to learn about the chimpanzees on their terms.*
4. How did Jane Goodall try to blend in with the chimpanzees? *She pretended to dig for insects, she ate fruit that chimpanzees ate, and she rested in chimpanzee treetop nests.*
5. What three things did Jane Goodall discover about chimpanzees in her first year of study? *They ate meat, they used tools, and they performed at "Rain Dance."*

So, What Is a Primate? (8-9)

Chart Skill: Make a Venn Diagram

Draw a large Venn diagram to compare and contrast the similarities and differences between humans and chimpanzees.

Culture: Chimp Style (10-12)

Reading for Understanding

1. Give three examples of how chimpanzees use tools. *Pound beehives, poke holes in termite nests, use leafy branches for rain cover, dig for tubers, use leaves as sponges.*
2. Give three examples of chimpanzee trends and traditions. *The Rain Dance, pool parties, hand-clasp grooming.*
3. How do chimpanzees learn? *By watching, instead of by explicit instruction.*
4. Give three reasons scientists think chimpanzees may kill other mammals. *They hunt for food, they protect their territory, they want to make sure they will be dominant in their own group.*
5. Give three examples of how chimpanzees show kindness and compassion. *Mothers and sons bond for decades, siblings with the same mother bond, they cooperate when hunting, they share food, they make up disagreements by grooming one another, they act as peacemakers between other chimpanzees, they offer comfort, they have a sense of fairness.*

My Friend Jane (13-17)

Writing Skill

In *My Friend Jane*, Anne Pusey writes about herself as a young researcher and about her observations of Jane Goodall, as well as her relationship with Jane Goodall. In this activity, you will write a similar article, describing your own experiences with an important teacher in your life. Remember, you encounter teachers everywhere: in the classroom, in your own home, in after-school sports programs. Teachers can be older than you or younger than you. In the first paragraph, describe your teacher and how he or she influenced you. In the second paragraph, describe how you applied the lessons he or she taught you.

Chasing Chimpanzees (18-21)

Reading for Understanding

1. What is the alpha male? *The top ranking male.*
2. What is a "display"? *The alpha male charges through the forest.*
3. Why does the alpha male display? *To intimidate other chimpanzees and maintain his position.*
4. What are paternal relatives? Maternal relatives? *Paternal means descended from the same male. Maternal means descended from the same female.*
5. What is "kin selection"? *W.D. Hamilton thought that since relatives share genes, that if individuals help their relatives, then they make sure that their shared genes will pass on.*
6. What is the author studying? *The relationship between fathers and sons.*
7. How does she get samples of the chimpanzees' DNA? *She collects their poop and examines it in a laboratory.*

Primates in Peril (25-28)

Reading for Understanding

1. What are the species of great apes? *Chimpanzees, bonobos, gorillas, orangutans, and humans.*
2. What are some of the causes of great apes nearing extinction? *Habitat loss, the trade in "bushmeat," stealing infant apes to sell as pets, human wars.*
3. How can humans help save other great apes from extinction? *Support from the international community, monitoring and researching, education.*

Caring for Our Cousins (29-30)

Reading for Understanding

What is the Chimpanzee Health Improvement, Maintenance, and Protection Act, and why was it necessary? *It was signed into law in 2000 to create a national sanctuary system to provide care for chimpanzees used in government research. It prohibits the killing of chimpanzees because they are no longer useful, there is no room for them, or they are expensive to support. The law was necessary because of the cruel and inhumane treatment of chimpanzees in research facilities.*

Are Ape Rights the Next Frontier? (31-33)

Writing Skill: What Do You Think? (33)

Complete the "What Do You Think?" activity on page 33.

Roots and Shoots: Planting the Seeds of Change (36-38)

Application

Using the example of the students in this article, how can you work to make a positive difference in the world? Think of a problem you have observed, from environmental issues, to issues of poverty or education. What can you do to help?

Design a plan to help using the steps below.

1. Identify the problem. Who is affected?
2. State the goal of your plan. Remember, the simpler and more focused the goal, the easier it will be to achieve.
3. Write the plan. Will you need help, or can you work alone? What resources do you already have to begin implementing your plan? What resources do you need? How will you implement your plan? Be specific.