STEMTaught Camp
I'm a Scientist

Jane Goodall: Day 1

Grades: TK-3

WELCOME

(5 min)

Earn sand dollars

Introduction: Welcome your students to camp. Be friendly.

Remind students they have the opportunity to earn sand dollars when they complete a task, help another student, help set up or clean up, write in their journal, read a book, etc. Tally the amount of sand dollars that each student earned from helping and record it on the weekly pay role sheet.

STEM READERS THEATER

(30 min)

-Act out story: 15 min

-Discuss story: 5 min

-Activity: 30 min

Materials:

- Print one copy of "Day 1: A Dream"
- Three pairs of scissors
- Roll of tape

READ JANE GOODALL, DAY 1: A DREAM

Prepare beforehand: Print out one copy of "Day 1: A Dream" from the Jane Goodall story. Print one coloring page for each student from the "Student Sheets" section of Day 16. Gather scissors and tape.

What you'll do:

1. **Setup storytelling props (10 min):** Call up volunteers to help with the readers theater for "Day 1: A Dream." Ask students to cut out the story props found in the story document. Remember to tape the headband ends together to fit a child's head. Students that are not helping with the story setup can color their coloring pages while they wait.

2. Gather all students and have them sit to listen to the reader's theater. Ask students to leave their coloring pages behind.

3. Assign a volunteer actor to handle each prop for story time.

4. Read the story to your students. Guide your volunteer prop holders in following the acting instructions as you read.

5. Discuss the story with your students following the discussion prompts printed underneath the story text.

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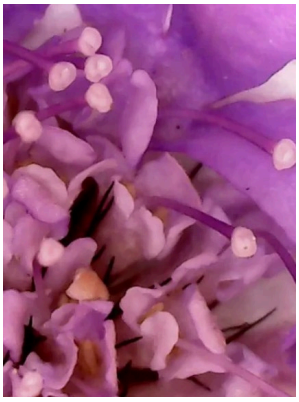
STEM LAB

(30 min)

Materials:

- Test tubes
- Petri dishes
- Tobey Tweezers
- Microscopes
- Paper
- Pencils



STEM LAB

(60 min)

Materials:

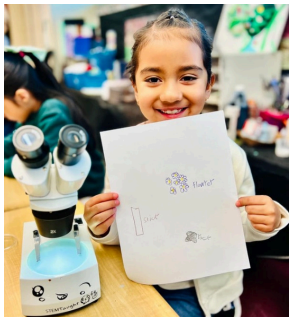
- 12x18” or large construction paper
- Scissors
- Glue
- Coloring utensils

OBSERVE LIKE JANE

1. Go outside and find something to observe- be like Jane! Be patient and search. Remember, it took Jane four hours to watch the hen lay the egg, and two months to locate the Chimpanzees. You could observe an ant, a bird, a squirrel, a tree, a bush, or any other natural thing on the school grounds.

2. Draw a picture of it, and write a description of what it was doing, be specific.

3. If your subject is small enough, gather it, or a piece of it, in a test tube or petri dish, and take it inside to use the microscopes to observe more deeply.



MAKE A FOREST FOR YOUR CHIMP

“Most chimpanzees live in tropical rainforests. They spend most of their time in the forest canopy, the upper layer of the forest made up of intertwined tree branches and leaves. The canopy provides chimps with protection from predators and access to food sources like fruits and leaves. Today we get to engineer a habitat for chimpanzees using paper and things we find outside in nature.”

1. Each student will get a large piece of construction paper. Preferably 12x18” paper.

2. Cut and glue on trees, leaves, vines, water, grass, rocks, hills. What about food? Ants, bananas, nuts, etc.

3. Along with paper, you can take the students outside to gather sticks, pebbles, wood chips and leaves to use in their creation for a 3D effect.

4. Color chimpanzees, cut them out, and add them to your habitat.

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ART LAB

(60 min)

Materials:

- Templates
- Scissors
- Burlap
- Embroidery needles
- Embroidery floss

SEW A CHIMP

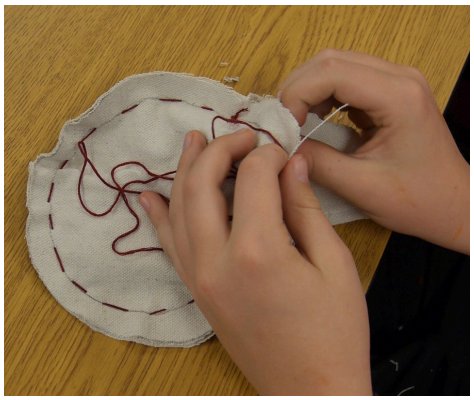
For the younger students, it may be too hard to sew two pieces of fabric together. They will use 1one piece of burlap. They really enjoy learning to stitch designs on the fabric!

1. Students will cut out the paper template of the chimp. Help hem if needed.

2. Each student will get a piece of burlap. Have them carefully trace around the template, then cut the burlap chimp.

3. Have them thread the plastic needle using embroidery floss. Show them how to tie a knot by wrapping the thread around the end of their pointer finger and rolling it off with their thumb and pulling it tight.

4. Show them some easy stitches by putting the needle up and down through the fabric. They can sew on eyes, nose and mouth, if desired.



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STEM GAMES

(60 min)

Materials:

- Board games
- Legos
- Blocks
- Coloring supplies
- Books
- Stacking cups

KIDS CHOICE

Allow students time to connect with each other through a fun game or let them choose to read. If the students have not had time to draw/write in their journal, have them take some time to do so now.

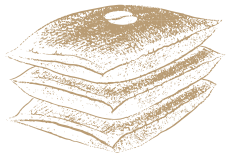
Kids' Choice Instructions:

Optional: Allow the students to continue to sew their chimps or accessories for the chimps.

Choose between options that the teachers have set out:
Board games, building with legos, blocks or other things, reading, coloring/drawing (include ocean related coloring pages), cup stacking.

Materials:

- Balls/beanbags



Monkey in the Middle

1. Organize the kids into teams of three.

2. Teams spread out. Kids will stand in a row. The player in the middle is the monkey.

3. The 2 players on the outside throw a ball or beanbag back and forth while the monkey in the middle tries to get it. If the monkey in the middle gets it, the player that threw the ball/beanbag is the new monkey in the middle.

Materials:

- Whiteboard
- Dry erase marker

Word Game

How many words can you create from the letters in Chimpanzee?

1. Write the word chimpanzee on the board.

2. Ask the kids to use the letters in the word to make new words. They will raise their hands to call out words for you to write on the board. They can only use the letters in the word. Since the chimpanzee has 2 "E"s, both can be used in a new word. The other letters are only used once in chimpanzee so they can only be used once in the new word.

3. Challenge them. Can they come up with 10 or 20 words? 30 words? More?

4. Consider giving the whole group extra sand dollars if they reach 25 words!

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