

I Spy Binocular Instructions

Ages 1-6

Materials Needed:

2—Cardboard cores from toilet paper rolls
4—5” x 2” strips of colored duct tape
2—10” x 2” strips of colored duct tape
Scissors

Instructions:

1. Remove all remaining tissue on cardboard cores.
2. Cut a 5” strip of colored duct tape.
3. Wrap the 5” colored duct tape around one cardboard tube, matching the edge of the tape with the edge of one end of the cardboard tube. Wrap completely around the tube, covering it completely.
4. Wrap the second 5” colored duct tape around the opposite end of the same cardboard tube, matching the edge of the tape with the opposite edge of the cardboard tube. The duct tape should overlap in the middle covering the tube completely.
5. Repeat steps 3 and 4 for the other cardboard tube.
6. Begin wrapping one 10” colored duct tape around a wrapped cardboard tube, matching the edges as in steps 3 and 4. As you go about half way around the first tube, place the other tube next to it so that the duct tape joins the 2 tubes together, matching the edges with the edge of the cardboard tube.
7. Repeat step 6, wrapping the second 10” colored duct tape around the opposite ends of the covered cardboard tubes.
8. Take turns using the binoculars to play the game “I Spy” for colors, letters, animals or any other subject matter you choose.
9. Discuss the prefix “bi” meaning two. What is the meaning of the prefix “tri”? Can you think of any other words that would be familiar to the child beginning with the prefixes “bi” or “tri”? (bicycle or tricycle)

Project Expanded into Additional Subjects:

1. Math: Counting to 2 for the term “bi”.
2. Ecology: Awareness of surroundings by focusing on them with the smaller view of binoculars.
3. Ecology: Recycling trash
4. Literature: Meanings of prefixes
5. Literature: Stories related to binoculars, telescopes, bicycles, tricycles, biennial plants (silver dollar plants)
6. Science: Learning how binoculars usually increase the size of the viewed subject.