

“The Nervous System”

Objective:

1. To explore reflexes of the body.
2. To see how fast of a reaction time the students have.
3. To draw conclusions from observations.

Materials:

1. Science Notebooks
2. A yard stick
3. Flashcards with solid block of color on one side (Index cards work the best)
4. Flashcards with the names of colors written on them, but in a different color that the name. (Index cards work the best)

Procedure:

Yard stick:

1. Have each student hold out their hand. Tell them to close their hand when you say go. Then record the number of inches that it took for them to grab the ruler into a table. (Also record the sex of each student with his or her data)
2. Do step one with eyes open and eyes closed.
3. Did it make a difference between boys and girls? Did it make a difference with eyes open or eyes closed? Why?

Solid Colors:

1. Have each student say the colors on the flashcards in 30 seconds.
2. Record the number that the student could call out.
3. Did it make a difference between boys and girls? What was the highest number? What was the lowest number?

Words:

1. Have each student do the same as before.
2. Ask the same questions, but then have the students compare this experiment to the one with solid colors.