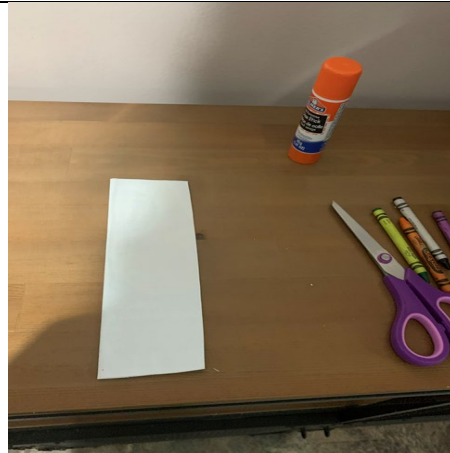


Title: Human Reaction Stick

Age Group: School Age

Submitted by: **Vanessa (St. Agatha)**



Type of Activity: Science / Predictions / Comparisons

- Materials:**
- Small Piece of Cardboard
 - Ruler
 - Markers/Crayons/Pencil Crayons
 - Glue
 - Pencil
 - Scissors

How to Do it:

- Using the ruler and pencil, trace out a long rectangular shape on the cardboard (as shown) and cut it out.
- Using the cut-out cardboard, trace the shape on a white sheet of paper, and cut that out.
- Glue the paper to the cardboard to make a stiff rectangular shape – this is the reaction stick.
- Measure the rectangle into thirds and place a line to mark this (as shown).
- Now colour each third in a contrasting colour and mark them with “Fast” on the top, “Medium” in the middle, and “Slow” on the bottom – these are the reaction times.

Once complete, test your family members!! Who has the fastest reaction time???

To test reaction times:

The tested person will hold their fingers and thumb slightly open in front of them, while you hold the reaction stick just above their open hand. When you drop the stick, they have to grab it as fast as they can. **THEY CAN'T LOOK AT THE REACTION STICK!!** Whichever colour their fingers land on is their reaction time!

Root Skill / Extension: This is all about balance, grasping skills, and reaction speed. Can you predict who will be better at this? What things can affect reaction time? (Age, grasp, medical conditions, etc.) Can we section the reaction stick into four sections? What would we call the fourth section? Extend the learning: Keep chart of how fast each family member is. Can anyone improve their time?