

## Introduction to the Scientific Method

**Purpose:** To get a feel for the process of the scientific method.

**Materials:** String (about three feet long)

**Procedure:**

- 1) Tie the ends of your string into loops (big enough to put your hands into the loops but small enough that the string will not easily slip off)
- 2) One of the group should place the string onto his/her wrists such that it resembles handcuffs with about two feet of string in between each of their hands.
- 3) The other member of the group should place one loop around one hand only. Then they are to take the string and place it between their partner's body and their connected hands. The student should then attach the other end of their string around their other wrist.
- 4) You both should be connected such that you must devise a plan to separate yourselves from each other without removing the string from around your wrists.
- 5) You should then write out your ideas on what they believe would be the best way to solve this problem by first stating the problem and then form a hypothesis.
- 6) Then test the hypothesis by trying to untangle yourselves by the methods devised when forming your hypothesis.
- 7) Accept or reject your hypothesis and discuss your decision.