

A SPECIAL  
FRIENDSHIP

A SCIENCE  
DEMONSTRATION

All men will know that you are my  
disciples, if you love one another.  
(John 13:35)

# NEEDED ITEMS:

☀ String

☀ Weights

☀ Supports

# PROCEDURE:

- ✻ Place 2 chairs about 4 feet apart and attach a slack string to them.
- ✻ Tie several pendulums to this string, each pendulum a different length (between 2 and 3 feet), but two the same length.
- ✻ Suspend the same weight on each pendulum (tape marbles to the strings).
- ✻ Swing one of the equal length pendulums.

# WHAT HAPPENS:

- ✻ The two equal length pendulums will swing together. This is called resonance.