

Activity 1 A

Making a Binary Phone

**FOR YOU TO DO**

Have the students make a modification of the cup phones by attaching a cup to only one end of the string. Have them tie the other end of the string somewhere in the lab and pull the string tight. The students pluck the other end to create a signal. Ask each group to make up a code so that the students at the end where the string is tied can communicate with students at the end with the cup. Have them compare this cup phone with the two other systems they built in Activity 1.