Goal: To have some fun building a circuit to detect sound, amplify it and analyze on the oscilloscope. Working in groups of 2-3 is acceptable.

Circuit from Simple Speech Recognizer, Circuit Cellar, Issue 91
Experimental:
1. Construct the circuit.
2. View a variety of sound signals on the oscilloscope. The output will be taken on pin 1.
   a. The signal will be centered around 2.5V. This can be seen if you use DC coupling.
   b. Once you have convinced yourself that (a) is true, it might be easier to view the signal with AC coupling.
   c. A variety of sound sources can be used including the signal generator with a speaker, you (voice, hand clapping, whistling), and audio player.

Deliverables:
1. Document the circuit that you have constructed.
2. Explain the reason that the non-inverting input is not tied to ground.
4. List 3 products that you could build with this sound detection system within it.