

HON 312, Week of Feb 18-22.

Review/learn basic electronics:

- a. Create simple circuits (with breadboards or sets).
- b. Learn the different components of electronic circuits: power source, switch, conductor, resistor, capacitor, diode, light emitting diode (more advanced: inductors, transistors), what they do to/with electricity, and their symbols.
- c. Learn about voltage, current, power and resistance and how to use a multi-meter to measure them.
- d. Learn about transducers. What are they?
- e. Learn about the difference between analogue and digital.

Decide (consult with your book, WWW and with Jim Loftin) on a simple sensor to build and discuss it with Jim Loftin your choice to insure that we have the component needed.

Think of a method to calibrate your sensor and discuss it with Jim.