Challenge #1: Building a Nest

Your Task (synthesis/design/implementation): create a system that will continuously measure (0.5 Hz) temperature in five locations in the room, compute the instantaneous average temperature and report these values to a central station in calibrated engineering units.

Deliverables:

1. Presentation based on template and required items
2. Data in engineering units
3. Demonstration of solution
4. Graphics and/or video posted to piazza

Learning objectives: establish the basic tools for using the Arduino-XBee hardware and development environment, and basic sensing principles.