

# 8A2 8B2 Heating and Cooling

## Lesson 1: Measuring Temperature

A.C. NORMAN  
Bishop Heber High School

September 8, 2010

### Measuring Temperature

Temperature is a measure of how hot something is. Our senses are not always a reliable way to determine temperature. We can use a thermometer to measure the temperature accurately.

*some temperatures*

We measured our own temperatures using a forehead thermometer, and the temperature of some water baths using a laboratory alcohol thermometer. Not all groups measured the same temperature of the water. We identified three reasons for this:

- The thermometers have limited accuracy, for example  $\pm 2^{\circ}\text{C}$
- The technique used to read the thermometers may have been flawed
- The water baths may change in temperature as they warm up or cool down