

# 4TH FORM PHYSICS

## HEAT PROJECT

### TOPIC: THERMOMETERS

Temperature is measured with an instrument called the thermometer.

There are many different types of thermometers. Listed below are four of them:

1. liquid-in-glass thermometer
2. clinical thermometer
3. maximum and minimum thermometer
4. thermocouple thermometer

### INSTRUCTIONS:

- Using all **FOUR (4)** thermometers from the list above.
- Discuss the design of **EACH** thermometer
  - include a fully labeled diagram of the thermometer
  - the temperature range of the thermometer
  - the uses of the thermometer
  - state **TWO (2)** advantages and **TWO (2)** disadvantages of the thermometer

### FORMAT:

1. Cover Page - Title of project, Name of student, Date and Form
2. Table of contents
3. Discussion on EACH thermometer. (Separate page for each thermometer)
4. Conclusion - Discuss the following:
  - (a) Celsius Scale (include units, define ice and steam points)
  - (b) Kelvin Scale (include units and define absolute zero)
  - (c) The relationship between the Celsius and Kelvin scale given three examples
5. References