

## Autumn 2013 Technology Subjects Professional Development workshops.



### “Using a PIC Microchip in Project Design”

#### Sample 5<sup>th</sup> Year Leaving Certificate Design Brief:

Design a model Electric Hand Dryer suitable for use in a workshop environment. The dryer should activate automatically when a person places their hand near the air flow outlet and automatically switch off after a set period of time when their hand is removed. A visual indicator is also required to indicate that the unit is operational. Your design should include a means of visually inspecting all electronic circuits and components used. The model must operate on a voltage supply of 9V or lower and must not exceed 200 mm x 200 mm in size.



