



Nobel

Excellence in Everything

Science Training group criteria (Spring)

Developing

You are able to.....

- State the meaning of key terminology including: potential difference, current, resistance, conductor and insulator
- State that the menstrual cycle prepares the female for pregnancy and stops if the egg is fertilised by a sperm
- State that a pure substance consists of only one type of element or compound and has a fixed melting and boiling point.
- State that mixtures may be separated due to differences in their physical properties.

Secure

You are able to.....

- Draw a circuit diagram to show how voltage can be measured in a simple circuit
- Describe how current changes in series and parallel circuits when components are changed
- Use a diagram to show stages in development of a foetus from the production of sex cells to birth
- Identify key events on a diagram of the menstrual cycle
- Explain how substances dissolve using the particle model
- Use evidence from chromatography to identify unknown substances in mixtures

Extending

You are able to.....

- Predict the effect of changing the rating of a battery or bulb on other components in a series or parallel circuit
- Explain why pregnancy is more or less likely at certain stages of the menstrual cycle
- Predict the effect of cigarettes, alcohol or drugs on the developing foetus
- Analyse and interpret solubility curves

Not yet- Can attempt the above and sometimes be successful

Expected- Can do the above successfully.

Beyond- Can do all of the above confidently and successfully with the desired outcomes.