



Nobel

Excellence in Everything

Science Training group criteria (Autumn)

Developing

You are able to.....

- State that properties of solids, liquids and gases can be described in terms of particles in motion
- State that a straight line on a distance time graph shows constant speed, a curving line shows acceleration
- Identify different types of cell, and know that different cells have different structure so that it can do a specific job
- State that sound consists of vibrations which travel as a longitudinal wave through substances
- State that metals can be arranged as a reactivity series in order of how readily they react with other substances

Secure

You are able to.....

- Explain the properties of solids, liquids and gases based on the arrangement and movement of their particles
- Illustrate a journey with changing speed on a distance-time graph, and label changes in motion
- Explain how to use a microscope to identify and compare different types of cells
- Explain observations where sound is reflected, transmitted or absorbed by different media
- Identify an unknown element from its physical and chemical properties

Extending

You are able to.....

- Evaluate observations that provide evidence for the existence of particles
- Predict changes in an object's speed when the forces on it change
- Suggest how damage to, or failure of, an organ would affect other body systems
- Suggest the effects of particular ear problems on a person's hearing
- Justify the use of specific metals and non-metals for different applications

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.