



Nobel
Excellence in Everything

Science Training group criteria (Spring)

Developing

You are able to.....

- State that when a wave travels through a substance particles move to and fro
- State that waves of higher amplitude or higher frequency transfer more energy
- State that photosynthesis is a reaction that takes place in plants and algae to produce glucose
- State the difference between a physical change and chemical change
- State the definition of the terms combustion and thermal decomposition

Secure

You are able to.....

- Explain how audio equipment converts sound into a changing pattern of electric current
- Describe the properties of different longitudinal and transverse waves
- Sketch a line graph to show how the rate of photosynthesis is affected by changing conditions
- Use a word equation to describe photosynthesis in plants and algae

Extending

You are able to.....

- Compare and contrast the properties of sound and light waves
- Suggest how particular conditions affect plant growth
- Compare the movement of carbon dioxide and oxygen through stomata at different times of day
- Compare the pros and cons of fuels in terms of their products of combustion
- Balance a symbol equation

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.