

AS91163

Demonstrate understanding of the chemistry used in the development of a current technology

Level 2 3 Credits

This achievement standard involves demonstrating understanding of the chemistry used in the development of a current technology.

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Demonstrate understanding of the chemistry used in the development of a current technology. 	<ul style="list-style-type: none"> Demonstrate in-depth understanding of the chemistry used in the development of a current technology. 	<ul style="list-style-type: none"> Demonstrate comprehensive understanding of the chemistry used in the development of a current technology.

Demonstrate understanding involves processing and interpreting information to provide an account of the chemistry used in the development of a current technology. This includes the use of chemistry vocabulary, symbols and conventions. This may also include an account of the historical development of the technology.

Demonstrate in-depth understanding involves making and explaining links between the chemistry and the development of the technology using chemistry vocabulary, symbols and conventions.

Demonstrate comprehensive understanding involves an evaluation of how the chemistry influenced the development of the technology.

Current technology means technology in use today. The historical aspect can encompass the whole of human history.

Examples could include

- conducting polymers,
- nanotechnology,
- cosmetics,
- pharmaceuticals,
- paints,

- polymers,
- catalytic converters,
- fabric and fibre technology,
- alloys.

This standard requires the use of chemistry vocabulary, symbols and conventions including, where appropriate, names, formulae and equations.