

Colne Valley High School Curriculum Intent – Science



Scientific knowledge is taught to develop a deeper understanding of life and the world around us and encourage a love of science. Scientific skills should be seen as important, useful, and desirable in the modern world. Experiences in science should balance everyday wonder, real world applications and the academic rigor of the scientific disciplines.

The intent of our curriculum is to develop our student's appreciation that science is the way in which we make sense of the material world around us, through our three disciplines of Biology, Chemistry and Physics.

At Colne Valley High School our ambitious knowledge-rich Science curriculum ensures that knowledge is taught to be remembered, not merely encountered; our curriculum ensures this by:

- Covering a range of knowledge broken into key strands in each of Biology, Chemistry and Physics. Students repeatedly encounter, revisit and build on this knowledge throughout KS3 and KS4.
- Ensuring that students have a deep knowledge of scientific concepts, knowledge of scientific procedures and the fluency to read, write and talk like scientists.
- Ensuring that all students have the opportunity to study an academic science course post-16. It includes the knowledge and cultural capital needed to engage in the scientific community, including an understanding of scientific discoveries past and present, and the scientists involved.
- Securing outcomes that enable students to access all future opportunities and interests in the pursuit of happiness, whatever their background or post-16 choices. Moreover, it enables them to be a more well-informed, effective member of society.