

Intention of Physics

Physics at MV16 is an exciting intellectual adventure that inspires our young people and will expand the frontiers of their knowledge about the fundamental nature of our universe. The knowledge they acquire will help them to understand future technological advances, drivers that affect the economy, and perhaps a set of unified laws that describe our very existence.

Physics seeks to broaden and deepen students' appreciation of the interconnectedness of the Mathematical sciences. Helping to cultivate interest and enthusiasm in the latest advances in fields of engineering, theoretical physics and space research enabling them to decipher problems of the future.

Students are encouraged to be empiricists, having the confidence to use specialist apparatus. We value practical experience equally alongside the application of proven theories. At MV16 we run a context lead approach to understanding physics. Students learn more about the ways in which the scientific community and society as a whole, use physics and contribute to its progress. Students will learn how to work scientifically and be able to extract information from a set of fine measurements in contexts such as sport, music, archaeology and medical science. Students engage in constructive dialogue as they develop their knowledge of A' level Physics which challenges their perspectives of religion, societal misconceptions and our place in the universe.