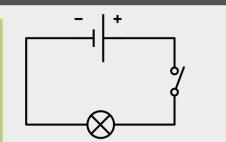




Wave s are one way in energy can be transferred and students spend time exploring what waves are and how they feature throughout everyday life. They will develop an appreciation for the range of applications of the electromagnetic spectrum including the use of X-ray and Gam main medicine and Radio, Microwave and Infrared in communications. Another way in which energy is transferred is by electrical circuits. Students get hands on building simple circuits and developing an understanding of current and potential difference (voltage). This lays the foundation for more detailed study of electricity in Y10



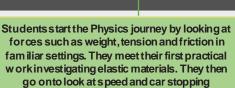
understand how to use a range of equipment safely. They will als o have de veloped experience in using simple equations.

Energy Stores

Students are introduced to the idea of energy stores and transfers which is a common theme throughout Physics. They will be able to use this understanding to identify energy changes in various scenarios that the y meet throughout the course. In the final topics in Y9, they will explore two methods of energy transfer in m ore depth.

Forces and Motion

Within the force and motion topic, students will encounter their first equations and develop experience in using and manipulating the se. Being able to apply equations to the real world is a core skill in Physics which will continue to be developed throughout the course.



WELCOME

distances. This introduction to forces provides a foundation for future study on motion Y8 Taster Sessions / Transition days

Year