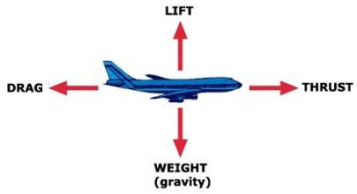
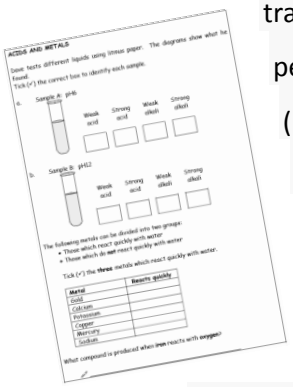
KS3 SCIENCE @Boston Spa

We offer a range of opportunities here at Boston Spa for KS3 Science covering Biology, Chemistry and Physics. Our aim is to build on pupils' scientific skills and understanding gained during KS2. We do this through:

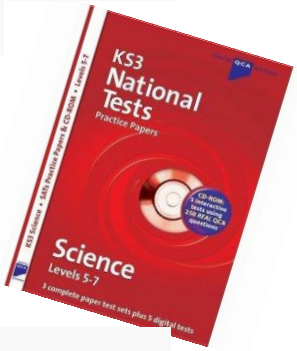
- practical investigations
- using scientific ideas and models to explain phenomena
- providing a safe learning environment
- using the process of scientific enquiry
- encouraging discussions and teamwork



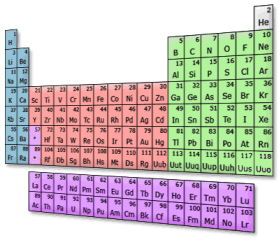
You will learn from the Exploring Science Scheme of work. Chemistry teaches us about the Periodic Table, chemical reactions, particles and how they behave. In Physics you will find out about the Solar System, electrical circuits and Forces. In Biology you will find out more about the human body and why plants are important for life. You will also learn about geological processes such as earthquakes, plate movements and why fossils are important.



Assessment: Students are assessed in a number of different ways – these include the traditional exam style questions (which test content), quick quizzes, self- and peer-assessment using level descriptors and APP, which test science skills (*Thinking Scientifically, Understanding The Applications And Implications Of Science, Communicating And Collaborating In Science, Using Investigative Approaches And Working Critically With Evidence*). Students also sit a SATs style exam paper at the end of the KS3 course to confirm their KS3 level.



What about clubs? We have various opportunities to extend the curriculum and these include Physics clubs for yr7 and 8, the Physics Olympics held in York, school trips for Science Week and Rockets club.

Where can I find out more?

The BBC bitesize website (http://www.bbc.co.uk/schools/ks3bitesize/science/) provides excellent revision materials and activities to complement your learning. You can also download past SATs papers and mark schemes from www.mathsmadeeasy.co.uk to help with revision. New Scientist TV (http://www.newscientist.com/blogs/nstv/)has interesting video clips, http://www.howitworksdaily.com has magazine articles that help explain ideas taught in science.