



General Aim of the subject

Through building up a body of key foundational knowledge and concepts, students are encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. This ensures that students are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

By offering Science at BIS Abu Dhabi, we aim for our students to develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics ; to develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them and to be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Year 9 Curriculum Content

Number of lessons per timetable cycle: 8

Note: students in Year 9 rotate throughout the year to do either Physics, Biology or Chemistry topics.

Term	Term 1	Term 2	Term 3
Topic	Chemical reactions; Electricity and Thermal Energy; Forces; Biodiversity and the Environment.	Chemical reactions; Electricity and Thermal Energy; Forces; Biodiversity and the Environment.	Chemical reactions; Electricity and Thermal Energy; Forces; Biodiversity and the Environment.
Assessment	End of topic tests, homework tasks and end of year test.	End of topic tests, homework tasks and end of year test.	End of topic tests, homework tasks and end of year test.

Useful website(s):

<http://www.educationquizzes.com/ks3-for-students/>

<http://www.bbc.co.uk/education/levels/z4kw2hv>

<http://www.planet-science.com/categories/under-11s.aspx>