



Course Content

This term consists of a rotation through introductory topics in Edexcel IGCSE Biology, Chemistry and Physics, as preparation for the next academic year.

In Biology, students will study the components of typical plant and animal cells. They will then examine the enzymatic actions on the biochemical control of living processes. The topic ends with molecular transport of substances across the cell membrane.

While studying the Chemistry topic, students will recall the atomic structure that they have studied in KS3 that includes electronic configurations and trends observed with elements as they are arranged on the Periodic Table. This includes the properties of metals and non-metals, as well as of Groups 1, 2, 7 and 8.

The Physics topic will help students build on previous knowledge involving forces and motion. Students will learn how to plot and explain distance/velocity-time graphs. They will also be introduced to two new equations. Students will use these to solve real-world problems in describing motion of objects, as represented by these graphs.

Resources

1. Pearson Edexcel IGCSE (9-1) Biology Student Book, Bradfield & Potter: Pp. 3-19.
2. Pearson Edexcel IGCSE (9-1) Chemistry Student Book, Clark et al.: Pp. 24-36.
3. Pearson Edexcel IGCSE (9-1) Physics Student Book, Arnold et al.: Pp. 3-15.

Further resources and links will be posted on Google Classroom.

Assessment

- Assignment (40%): Class activities, homework (including exam-style questions)
- Quizzes (20%): A short 10-minute quiz following each topic (x3)
- Test (40%): A 50-minute test following the completion of the 3-subject rotation (x1)