

Year 7 Science SKI Week Preparation

All students will sit a **70 mark test** that will test their knowledge of the topics covered this year. These topics have been chosen as they underpin all future Science learning. We would really appreciate any support and encouragement you can offer at home to help your young person consolidate their learning from this year and set the foundation for their future success in Science.

Biology topics

Cells – structure of animal cells	What are plant and animal cells? - BBC Bitesize
How to use a microscope (including calculating total magnification)	How to observe cells under a microscope - Living organisms - KS3 Biology - BBC Bitesize
Diffusion	Diffusion in cells - Living organisms - KS3 Biology - BBC Bitesize

Chemistry topics

Changes of state	What are changes of state? - BBC Bitesize
Elements, compounds and mixtures	Elements, compounds and mixtures - BBC Bitesize
The Periodic table – how is it organised?	The modern periodic table - BBC Bitesize
Chemical reactions – what are the signs that a chemical reaction has taken place?	What is a chemical reaction? - BBC Bitesize

Physics topics

Forces	Introduction to forces - Forces and movement - KS3 Physics - BBC Bitesize
The effect of forces	Force diagrams and resultant forces - Forces and movement - KS3 Physics - BBC Bitesize
Structure of an atom	Structure of the atom - Atoms - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize

Science skills

Identifying variables	<u>Variables - Working scientifically - KS3 Science - BBC Bitesize</u>
Equipment	<u>KS3 Science - Working Scientifically - Drawing scientific apparatus - BBC Bitesize</u>
Calculating a mean	<u>Observation and measurement skills - Working scientifically - KS3 Science - BBC Bitesize</u>
Writing a conclusion	<u>Conclude and evaluate - Working scientifically - KS3 Science - BBC Bitesize</u>

How to revise?

Students should look back at the end of topic tests that they have completed and select specific topics that they found difficult, to do some independent revision on.

The questions in the end of year test will be similar to the questions used in the end of topic tests which should be stuck into their Science book.

All of the BBC Bitesize links shared have excellent videos and mini quizzes to help students to revise. Students might also find it helpful to summarise the main points whilst they are reading/watching the videos.