

Pre - Y12 Summer Work

1. Ensure you have your folder set up with dividers and the checklists
2. Familiarise yourself with the Course Handbook
3. Watch the videos below to familiarise yourself with some of the early topics

We highly recommend that you use the 'Bozeman Science' videos as you go through the course.

For a full look at all the videos, see the website below:

<http://www.bozemanscience.com/biology-main-page>

We've selected the videos that are most relevant to the first few topics you will study.

Watch the videos below, take some notes and record any questions you have!

There is roughly 8-10 hours work here, so plan to spread it out a bit.

Cells

Cell Structure

<https://www.youtube.com/watch?v=1Z9pqST72is>

Cellular Organelles

<http://www.bozemanscience.com/043-cellular-organelles>

The Cell Membrane

<http://www.bozemanscience.com/cell-membrane>

Biochemistry

Water

<https://www.youtube.com/watch?v=iOOvX0jmhJ4>

Biological Molecules Overview

<https://www.youtube.com/watch?v=PYH63o10iTE>

Carbohydrates

https://www.youtube.com/watch?v=_zm_DyD6FJ0

Lipids

<https://www.youtube.com/watch?v=VGHD9e3yRIU>

Proteins

https://www.youtube.com/watch?v=2Jgb_DpaQhM

Nucleic Acids

<http://www.bozemanscience.com/nucleic-acids>

Fundamental Ideas in Biology

Big Ideas in Biology

<http://www.bozemanscience.com/biology>

Scientific Method

<http://www.bozemanscience.com/scientific-method>

Characteristics of Life

<http://www.bozemanscience.com/005-essential-characteristics-of-life>

Central Dogma

<http://www.bozemanscience.com/secret-of-life>