

# Biology A level

Specification: OCR Biology A H420

Transition workbook



All documents can be accessed in the Biology Transition Workbook folder online:

<https://drive.google.com/open?id=1E9wNkYlr5FjDEmOVNeDE1c63Cm0ffmQ9>

## 1. Water

WATER: [Crash Course Biology](#) #2

Watch the video and make a note of the key properties of water and why these properties are important for living organisms.

Property of Water	Importance to Living Organisms

## 2. Cell ultrastructure

### The Cell Explorer

This is a free online, interactive 3D model to help you explore sub-cellular structures and processes in detail. This may not work on internet explorer.

Register to download the model.

You will need the school name: Haberdashers' Adams

The school postcode: TF10 7BD

<https://scopegurdoninstitute.co.uk/digital-toolkit-1-investigate-the-cell-3d-model>

Alternatively, you may wish to watch the following videos to introduce you to cell ultrastructure:

<https://www.khanacademy.org/science/biology/structure-of-a-cell>

Fill in the table Task 2 worksheet and have a go at cell ultrastructure questions.

Khan academy is an excellent set of videos/ articles which we will use in the A level. They are not A level specific and can go above and beyond the detail you are required to know. For students aiming to achieve A/ A\*, you will be encouraged to extend your knowledge beyond the A level specification.

### **3. Practical and Maths skills for A Level**

As there is no practical exam, you will be examined on your practical skills in the written papers; part of this is your ability to work with data. It is essential that you know the key terms used in investigations and data handling. These will be revisited regularly whilst completing the course.

Task 3 is a published resource, designed to help you familiarise yourself with the necessary skills you will need, Take your time going through it (not all in one session, spaced practice is more beneficial), and familiarise yourself with the requirements, again we do not expect you to know all of this prior to the course, but exposing yourself to the content now will help when meeting it again in lessons.