



## **Life Sciences 11**

### **Course Outline**

#### **Course Overview:**

Life Sciences 11 introduces students to living things and to the taxonomic system. You will learn about how scientists classify living things and features of organisms big and small.

#### **Course Content and Suggested Timelines:**

The suggested timeline is for students to complete the course in one semester (5 months), however individual timelines can be arranged with the course teacher. If you are planning to complete the course in 10 weeks, double these timeframes.

##### **1. Introductory Unit (~ 2 weeks)**

- You will cover important information about the class that includes EBUS integrity policy, how the course is organized, how you will be marked and what to do if you have any questions or concerns. You will also learn about the process of science and the scientific method.
- You will also be introduced to the concepts of evolution, mutations and natural selection

##### **2. Evolution and Taxonomy (~ 4 weeks)**

- This module looks at some of the theories behind our diverse world. You will learn how organisms are classified (taxonomy), how organisms change over time (evolution) and how organisms relate to each other.

##### **3. Cells, Cell Processes, Viruses and Microbiology (~ 3 weeks)**

- In this unit you will review cells, learn about cellular respiration and photosynthesis
- In this unit you will study organisms that cannot be seen with the naked eye. These include viruses and bacteria (Monera). You will learn about their

structure and function, how reproduction is achieved and some types of viral diseases.

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*MIDTERM 1 to cover units 1-3*

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**4. Plants (~ 6 weeks)**

- An overview of the plant life cycle, from simple plants to gymnosperms (cone bearing plants) and angiosperms (flowering plants).
- This is broken down into two main sections: simple and advanced plants.

How is the animal kingdom classified? This unit looks at the main divisions of the animal kingdom and the features that distinguish them from one another.

**5. Animals (~ 6 weeks)**

- Learn about the kingdom of animals, some of their subgroups and the features that distinguish them from one another.
- Like the plant unit this is broken into two main sections: simple and advanced animals.

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*MIDTERM 2 to cover units 4-5*

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**Course Materials:**

Information for the course is presented as readings from various texts, videos and graphics. You are welcome and encouraged to research topics and include supplemental information. For students wanting to exceed expectations, this will broaden your experience and help you go beyond the course. All sources used to complete an assignment should be provided with the submission.

**Readings:**

You will notice that there are readings for each of the modules. Please use these to help you complete assignments and review for the module quizzes and midterms.

### Other resources:

- A printer and scanner (or a digital camera)
- A headset for use with V-class
- Some of the assignments require you to take pictures of your work so you will need to be able to do that - preferably as jpegs that are not too large in size. A few assignments are online activities and are done right on the computer. Some assignments are WORD documents or form fill-able PDFs. You can simply type into them and save onto your computer and then upload into the assignment section. My suggestion is that you create a file called Life Sciences on your computer so you know where to save them and find them when uploading. If you do not have Adobe Pro, you may not be able to save your working file. Some school districts use the program Foxit which is a free downloadable program that allows for you to save your form fill-able PDFs. You might decide to print out the assignment and hand write on them. You then need to be able to scan your work into your computer (preferably as a PDFs but tiffs and jpegs work too) and then upload.
- (Faxing is not permitted during the **summer session** as there will be no office staff to receive your files and pass them on to me.)

Here is a link to the curriculum covered in this course: [link to Ministry IRP](#)

### Assessment Information:

For the Life Sciences course grade, you will be evaluated in the following areas:

	Total value for course
Assignments and Quizzes	50%
Projects	20%
Midterm Tests	30%

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**You are required to read through the section's information BEFORE accessing the assignment.**

### **Supervised and Invigilated Exams:**

Midterms 1 and 2 must be supervised by an EBUS approved supervisor.

There is a map available to help you find an approved supervisor/facility:

- Follow this link and find a pre-approved EBUS invigilator: [MAP](#)

Please contact your course teacher if you have questions or concerns about invigilated exams.

### **When students are not meeting the learning outcomes/ falling behind:**

When students fall behind the expected pace or plan, they will be contacted via email or phone and if there is no improvement or response, parents will also be contacted. If deemed necessary, contact with the student's home school may also occur to help determine a solution.

Students are expected to let the course teacher know when they are struggling with course content. In response, the course teacher will provide appropriate help or strategies to support learning. The course teacher will also provide feedback on course work to support learning and help students improve. Parents will be made aware if their child is actively working but struggling to meet the learning outcomes of the course.

Students falling behind in a manner where it does not appear that they will complete the course within a year will be sent reminder emails. Without a response or renewed efforts in the course, the student may be assigned an F or withdrawn. Should they begin actively working in the course, the student may be given an alternate completion date.

### **Expectations:**

- Adhere to the EBUS Academic Integrity Policy
- Contact your teacher when help is needed
- Review feedback from assignments and tests, where applicable
- Work to complete the course in a timely manner
- Communicate respectfully
- Review weekly progress reports

### **Reporting to Parents:**

There are 4 term report cards that can be downloaded from the student dashboard. A notice will go out when these report cards are available.

Every 1-1.5 weeks that EBUS is in Session the teacher will send out a progress report showing the student's progress

### **Contacting Your Teacher:**

Your teacher will be available from Monday to Friday during regular school hours. If you are having trouble with any concepts, please contact your teacher right away!

If you are not available during these hours contact your teacher to arrange a time outside of this.

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