



# Life Sciences 11 Course Outline

Cambie Secondary School - Ms. L. Au

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## GOALS OF THIS COURSE

Welcome to Life Sciences 11! In this course, we will focus on the following:

- **Science Knowledge:** Understand and apply scientific theories, principles, and laws towards interpreting real and hypothetical scenarios.
- **Inquiry and Discovery:** Use the scientific method to construct, carry out, and interpret scientific experiments.
- **Science Literacy:** Interpret and draw appropriate conclusions from scientific diagrams and texts.
- **Science Communication:** Communicate understanding using oral, written, and digital forms for different purposes and audiences.

## BIG IDEAS

The following are the **big ideas** and content areas that will be covered in this course:

<b>Life is a result of interactions at the molecular and cellular levels.</b>	<b>Evolution occurs at the population level.</b>	<b>Organisms are grouped based on common characteristics.</b>
microscopes, viruses, prokaryotes and eukaryotes, cell structure	history and evidence for evolutionary theory, microevolutionary processes, macroevolutionary processes, phylogenetic trees	First Peoples classification system, Linnaean classification system, binomial nomenclature, trends in complexity, representative taxa of living things

## ASSESSMENT AND GRADES

The *intended*\* breakdown of grades will be as follows:

Chapter Tests and Chapter Quizzes	50%
Projects and Major Lab Reports	25%
Assignments (in-class assignments, worksheets, minor lab reports)	15%
PeerWise	10%

\*Note: since this course is continually under development and refinement, this mark breakdown is subject to change (upon consultation with students) to more accurately reflect the learning that has been completed.

### Rewrite Policy

Rewrites are a *privilege*, not a right. Should performance on a chapter test or chapter quiz be lower than expected by the student, it is the student's responsibility to demonstrate evidence of additional study, learning, and reflection in a timely manner to become eligible for **one** additional opportunity to demonstrate evidence of learning. The format and difficulty level of this opportunity is determined at the discretion of the teacher. Rewrite marks overwrite original marks.

### Important Dates

Interim Reports:	March 2, 2023
Mid-Semester Reports:	April 25, 2023
Final Reports:	June 28, 2023

**Classroom Expectations**

All Cambie students are expected to follow the 3R's: **Respectful**, **Responsible** and **Ready** to Succeed. Student work habits are determined by meeting the following expectations:

<b>3R's</b>	<b><i>What does this look like in the classroom?</i></b>
<p><b><i>Respectful</i></b> <i>to others</i></p> <p><input type="checkbox"/></p>	<ul style="list-style-type: none"> <li>• Be on time for every class</li> <li>• Practise good listening when others are speaking</li> <li>• Raise your hand before speaking</li> <li>• Be polite and use appropriate language</li> <li>• Stay focused and avoid distracting others during instruction and work periods</li> <li>• Leave the classroom neat and tidy, stacking the chairs if you are the last class of the day</li> <li>• Wait to be dismissed before packing up</li> </ul>
<p><b><i>Responsible</i></b> <i>for ourselves</i></p> <p><input type="checkbox"/></p>	<ul style="list-style-type: none"> <li>• Be safe when in the classroom: walk, use your indoor voice, and do not engage in horseplay or touch things that are not yours</li> <li>• Remain focused during class; use electronic devices only when permitted by teacher</li> <li>• Take responsibility for completing your own work, handing it in on time, and giving credit for others' ideas</li> <li>• Be proactive and contact a classmate or teacher as soon as possible after missing a class</li> </ul>
<p><b><i>Ready</i></b> <i>to succeed</i></p> <p><input type="checkbox"/></p>	<ul style="list-style-type: none"> <li>• Be on time and prepared for every class, with supplies ready and binder organized</li> <li>• Record homework daily in agenda</li> <li>• Participate in all class activities</li> <li>• Complete homework regularly and ask for help when needed</li> <li>• Strive to do your best work at all times</li> </ul>

**Homework Expectations**

Homework builds on content taught in-class and provides practice leading up to key assessments: as such, homework completion is essential for student learning and success in this course.

Students are expected to take responsibility to record their own homework and important dates in their agenda after every class. All homework must be submitted by the due date. If not, it is at the teacher's discretion to subtract 10% of the value of the assignment per day it is late.

Should extenuating circumstances arise that make it unfeasible for the student to submit work or write a test on time, the student is required to notify the teacher at the earliest possible opportunity, with a parent's note (and doctor's note, in case of illness) explaining the situation. Requests will be evaluated on a case-by-case basis.

**Work Missed Due to Absence**

Students should do their best to attend every class and be on time. However, occasionally, situations may arise (emergencies, medical reasons, field trips, etc.) where this is not possible. But class does not stop just because you are away! You are *solely* responsible for making up for all work you miss.

If you miss a class, you should:

- **Get the notes and an explanation** from a classmate who was here
- **Read through the textbook section**, and **review the powerpoint** that covers what you missed
- **Get copies of any handouts** that you missed (from website)
- **Do the homework** that was assigned; ask a classmate
- **Hand in** anything that was due that day
- **See Ms. Au with questions** only after you have done everything else listed above

If you miss an end-of-chapter test or quiz, it is the responsibility of the student to arrange to write it ***outside of class time within a week*** of returning to school.

<b>Homework Contact #1</b>	<b>Homework Contact #2</b>
Name: _____	Name: _____
Contact Info: _____	Contact Info: _____

### **Academic Honesty**

Part of being Responsible and Ready to Succeed means taking ownership of our own work and not submitting any work that is not ours. Ms. Au has zero tolerance for academic dishonesty. This includes but is not limited to: sharing homework with others, copying homework from others, failing to cite sources on assignments, and cheating on tests. Any students suspected of cheating will receive an Incomplete on that assignment and/or be required to re-do it.

## **DIGITAL DEVICES IN THE CLASSROOM**

Electronic devices *may be used with teacher permission* for appropriate activities such as accessing the class website or textbook, research, web-based activities (e.g. Kahoot, PeerWise), or listening to music during individual work. Otherwise, electronic devices must be out of sight and put away in backpacks. Smartphones and devices that are used irresponsibly or without teacher permission will be immediately confiscated and held in the main office for the duration of the day.

## **SUPPLIES AND MATERIALS**

### **General Supplies**

All students are expected to come to class prepared with the following materials:

- a class binder with lined paper
- pencil, eraser, pens (different colours strongly recommended), ruler, calculator
- agenda (MySchoolDay app)
- optional: an electronic device for note-taking and viewing the class powerpoint

### **Textbooks and Other Resources**

Various resources will need to be accessed for studying and homework purposes.

- “Biology” by Kenneth Miller and Joseph Levine
- Class website to access assigned work, videos, powerpoints, etc. (msauscience.weebly.com)
- PeerWise

### **Peerwise Login Information:**

Username: \_\_\_\_\_ Password: \_\_\_\_\_

## **EXTRA HELP**

Please communicate with me when you plan to seek extra help. I will be available after school most days upon request. You may also e-mail questions; however, please be advised that replies may take up to 2 business days. Do not e-mail questions the night before the test!