



Course Syllabus

7th Grade Life Science | Summer 2020

Objective: To gain an understanding of basic Life Science

Prerequisites: 6th Grade Earth Science

Instructor Contact Information:

Maggie Bosco

maggie.bosco@fremontstem.com

Website:

All course materials (waiver, syllabi, etc.) will be posted on the course website under “7th Grade Life Science.” Links for Dropbox (files) will also be accessible through the website. The website will be accessible throughout the school year for summer students.

Google Classroom: Home work will be posted on google classroom, any questions or comments the students have can be posted on google classroom or emailed to me directly, I will respond to them as quickly as possible.

Class Times:

Lecture: Tuesday/Thursday/Saturday 5:00 PM to 6:30 PM
on Zoom

Required Materials:

- Notebook for taking notes.
- Calculator
- Pencils, erasers, etc.

Program Cost: \$475

Note: the full program cost is due on the first day of lecture, either in person (cash/check) or via online transfer. If the student for some reason must miss the first day, the fees must be paid by the first attended lecture. The program fee is non-refundable unless unexpected and severe circumstances arise.

Books and Course Material: Please bring a notebook and writing utensil to take notes. This course is referencing CA Focus on Life Science; published by Prentice Hall (ISBN 978-0-132-01272-0).

Homework: I will regularly assign homework. Homework is a big part of this course and students will be expected to complete homework to the best of their ability before every class. We will spend the first part of each class going over the previous homework.

Notes: Please bring a notebook and pencil to take notes.



Final Exam: A comprehensive final exam will be administered to ensure that students have learned the curriculum and developed problem solving skills. We will go over the exam results and explain the difficult problems during the last class. The final exam will also be entered into the progress report.

Grading: Grades for homework, in-class quizzes, and exams will be inputted into the progress report. The progress report and all grades will be visible to parents.

Tentative Nature of the Syllabus: The contents of this syllabus and attached schedule are tentative in nature and may be subject to change or revision. The instructor holds the right to make changes to the schedule and/or organization of the class as necessary. Students and parents will be identified of any changes via email.

Special Accommodations: If your student requires special accommodations, please notify the instructor as soon as possible.

Tentative Schedule

Date	Lesson	Topic
Week 1: 6/23 (Tue)	Lecture 1	Introduction to Life Science and scientific enquiry
Week 1: 6/25 (Thu)	Lecture 2	Light, the wave nature of light, color
Week 1: 6/27 (Sat)	Lecture 3	Reflection and refraction properties of light
Week 2: 6/30 (Tue)	Lecture 4	Cell structure and function
Week 2: 7/2 (Thu)	Lecture 5	Differences between the animal cell and plant cell Cell Theory
Week 2: 7/4 (Sat)	Lecture 6	Holiday
Week 3: 7/7 (Tue)	Lecture 7	Cell Processes and Energy
Week 3: 7/9 (Thu)	Lecture 8	Genetics, Mendel's work, heredity and probability
Week 3: 7/11 (Sat)	Lecture 9	Advances in modern genetics Genes, DNA and proteins
Week 4: 7/14 (Tue)	Lecture 10	Evolution, Darwin's theory
Week 4: 7/16 (Thu)	Lecture 11	evidence of evolution, evolution of species
Week 4: 7/18 (Sat)	Lecture 12	Earth's History, Rock cycle
Week 5: 7/21 (Tue)	Lecture 13	the age of rocks, radioactive dating
Week 5: 7/23 (Thu)	Lecture 14	movement of the earth's plates the geologic time scale
Week 5: 7/25 (Sat)	Lecture 15	Viruses, Bacteria
Week 6: 7/28 (Tue)	Lecture 16	Protists and Fungi
Week 6: 7/30 (Thu)	Lecture 17	Final Exam
Week 6: 8/1 (Sat)	Lecture 18	Review Final Exam