

Science 20F Advanced Placement

Collège Sturgeon Heights Collegiate

Mr. D. Libby

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Description

Science 20FH is a one semester general science course that expands on topics covered in previous grades. Students will cultivate their understanding of chemical reactions, naming compounds, the complex relationships present in ecosystems, biogeochemical cycles, the relationship between displacement, velocity and acceleration, and an overview of the complex relationships that influence weather and climate.

The course is enhanced to better prepare students for Advanced Placement science courses in Grades 11 and 12.

Course Web Site

All the notes and assignments for the course can be found at the course website: www.libbyteach.net. The website also has links to videos and other sources of information that may assist students.

Laboratory Work

A portion of instructional time will be spent in hands-on laboratory work that provide students with opportunities to demonstrate fundamental scientific principles and apply science practices. Students will have opportunities to make predictions, collect and analyze data, develop explanations, and communicate about their work.

Assignments

Assignments will consist of worksheets given throughout the course. While not all these assignments will be counted as parts of the final grade, students are encouraged to complete these in a timely manner to be prepared for the tests. If you do not finish assignments in class, you should be prepared to finish them at home.

Incomplete graded assignments will receive a grade of zero. When the assignment is completed, the zero will be replaced by the grade achieved on the assignment. Late assignments may be subject to a late penalty of no more than 10%.

Tests and Quizzes

Tests will consist of multiple choice and free response questions. Tests will occur every three or four weeks throughout the course. There will also be a comprehensive summative test at the end of the course. These tests will form the bulk of your grade. There will be NO rewrites.

Incomplete tests will receive a grade of zero. If a student is away on the day of a test, arrangements must be made to complete the test as soon as possible. When the test is completed, the zero will be replaced by the grade achieved on the test. If the test is not completed by the end of the course, the zero will remain.

Online quizzes, accessible through the course website, will be available to help prepare for each test. Each quiz may be attempted up to 5 times and the highest score will be included in the final grade. Quizzes that are not completed will receive a score of zero. All quizzes should be completed by the end of the course.

Cheating

Students who are caught cheating will receive a grade of zero for that assessment.

Evaluation

Tests	60%
Quizzes	10%
Assignments	20%
Laboratory/Hands-on Activities	10%

Grades

Grades are posted on PowerSchool (ps.sjsad.ca) usually within 5 days of assignment due dates. Regularly checking PowerSchool is the best way to keep track of progress in the course.

Extra Help

The teacher is always ready and willing to help during class time. If help is needed, just ask.

Extra help is available every morning at 08:00 and at lunch. Other times during the day may also be available subject to prior arrangement. It is the student's responsibility to seek help when needed!

Topics

The course will focus on the following topics. The time and order of the topics is subject to change.

1. What is this thing called science? (2 periods)
2. Can I bond with U? (11 periods)
3. If I mix these chemicals, will they explode? (9 periods)
4. Where are we going? (9 periods)
5. Why can't I force this thing to move? (7 periods)
6. Can we all just live at your place? (13 periods)
7. Can I build a dinosaur? (6 periods)
8. Are we alone in the universe? (7 periods)
9. Can we control the weather? (9 periods)
10. What's the best way to kill everyone on the planet? (7 periods)

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Dear Parent and/or Guardian,

Please complete the following form to indicate that you have read and understood the information contained in the course outline for Science 20F. Once you have signed it, please detach this page from the course outline and return it.

Student Name (Print)

Parent Name (Print)

Student Email

Parent Email

Student Signature

Parent Signature