

Applied Science 8 Course Outline

Wolfe

Spring 2020

Welcome to Applied Science 8 with Ms. Wolfe! This semester we will cover a several topics in different areas of science. This is a dynamic, activity-based course that demands hands-on participation in practicing science. We will learn fundamental research and academic skills and challenge ourselves with tried-and-true and brand-new ways of thinking.

Content:

This course consists of ten activities in different areas of science, engineering, etc. For each one we will work through the process of researching and developing scientific thinking: forming a hypothesis, gathering background knowledge, planning and conducting an experiment, evaluating the results, and communicating what we discovered. The specific activities will vary depending on the size of class, time of year, etc.

Resources: In-class notes and handouts, Ms. Wolfe’s homework website

Materials: *Required:* lined paper, duo-tang (to create a lab book), pencil, pen, eraser, ruler

Recommended: calculator, geometry set, pencil crayons

Evaluation:

Students will have multiple opportunities to develop mastery of each skill. The graded assignments will include note-taking, individual assessments such as quizzes and tests, labs, activities, and small projects. There will be a final assessment.

As we work through the four units in this course, we will help students to master the content as well as achieve the following ***curricular competencies***:

- ***Question and predict***
- ***Plan and conduct***
- ***Process and analyze***
- ***Evaluate***
- ***Apply and innovate***
- ***Communicate***

Students will self-assess and be assessed as to whether they are “emerging”, “developing”, “proficient”, or “extending” these expectations.

Contact information:

I can be reached at sarah.wolfe@yesnet.yk.ca or phone the school at 667-8665

My homework site is <https://wolfe-fhc.weebly.com/>. Please check the homework site for assignment trackers (“pink sheets”) and copies of handouts, etc.

Extra help hours: I will be available in my room (225) Mon & Wed 3:20 – 3:50 (except during staff meetings). Additional times by appointment.

Please feel free to contact me with any questions, however, be aware that I generally check my email only once each weekday.