

# Science for Citizens Course Outline

Wolfe

Spring 2020

Welcome to Science for Citizens with Ms. Wolfe! This semester we will cover several topics in different areas of science.

## Content:

### **UNIT 1: How to Science**

**Weeks 1 - 4**

The principles of science ~ Lab safety ~ Six simple machines ~ How to conduct research

### **UNIT 2: Forensics**

**Weeks 5 - 8**

Forensic anthropology ~ Forgery ~ Crime scenes ~ Chemistry

### **UNIT 3: Science and your body**

**Weeks 9 - 12**

Anatomy and physiology ~ Nutrition ~ Exercise

### **UNIT 4: Technology**

**Weeks 13-15**

Development of technology ~ 3D Printing ~ Coding ~ Robotics

### **UNIT 5: Science in the Yukon**

**Weeks 16 - 18**

Local science research and practice ~ Career exploration

## Resources:

In-class notes and handouts  
Ms. Wolfe's homework website

## Materials:

*Required:* binder, 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***

At the end of each unit students will self-assess and be assessed as to whether they are “emerging”, “developing”, “proficient”, or “extending” these expectations. Students will have multiple opportunities to develop mastery of each skill and will receive credit for the class after meeting minimum requirements in each content area.

## **Contact information:**

I can be reached at [sarah.wolfe@yesnet.yk.ca](mailto: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.