

## **Environmental Science**

### **Course Description**

This course is unique in that the major emphasis is on wastewater treatment plant operations and laboratory procedures. You will learn how to operate the high school extended aeration wastewater treatment plant. The Selkirk Environmental Laboratory is fully certified and does testing for Metaline, Metaline Falls and Ione. You will learn basic laboratory procedures and know how to perform the following tests:

Residual and Total Chlorine    Biochemical Oxygen Demand    Total Suspended Solids  
Mixed Liquor Suspended Solids    Dissolved Oxygen    Ammonia    pH    Turbidity  
Membrane Filtration    Fecal Coliform Counts    Winkler DO Titration

The laboratory is paid for the testing it performs for the different agencies. Consequently, students will also learn invoice and billing procedures.

### **Materials:**

Everyday you need to bring a pen, pencil and paper. A binder will be provided to organize assignments, tests, laboratory procedures and other related matter.