



# Grade 9 Applied Science – SNC 1PI

Semester: 1	Block: B	Room: 109
Teacher: Mr. Baird	Teacher Contact Information: 519-621-5920 ext. 448	Course/Teacher Website: <a href="http://teachers.wrdsb.ca/baird/">http://teachers.wrdsb.ca/baird/</a>

## Course Description

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

## Essential Course Components

<b>Skills</b>	<ul style="list-style-type: none"><li>- Activity: Lab Safety</li><li>- Lab: Scientific Method</li><li>- Lab: Quantitative Analysis</li></ul>
<b>Chemistry</b>	<ul style="list-style-type: none"><li>- Lab: Identify an Unknown Substance Based on Properties</li><li>- Activity: Model of an Atom</li><li>- Unit Test: Chemistry</li></ul>
<b>Physics</b>	<ul style="list-style-type: none"><li>- Lab: Law of Electric Charges</li><li>- Lab: Characteristics of Series and Parallel Circuits</li><li>- Unit Test: Characteristics of Electricity</li></ul>
<b>Earth and Space Science</b>	<ul style="list-style-type: none"><li>- Activity: Using triangulation to measure distances</li><li>- Activity: Modeling of Solar System</li><li>- Unit Test: The Study of the Universe</li></ul>
<b>Biology</b>	<ul style="list-style-type: none"><li>- Activity: Human Impacts on Ecosystems</li><li>- Activity: Graphing Populations</li><li>- Unit Test: Sustainable Ecosystems</li></ul>
<b>Summative Exam</b>	<ul style="list-style-type: none"><li>- Final exam (worth 30% of overall mark)</li></ul>

To earn this credit, **all** of the following **essential course components** must be completed to a mark of 50% or higher. Weighting of individual course components are not equal.

## Textbook

Pearson - Investigating Science 9. (Replacement Cost: \$100.00)

## Required Equipment - You are expected to bring these items to class each day.

- 3-ring loose-leaf binder (for this course only)
- homework calendar (provided by teacher)
- lined paper
- pens and/or pencils
- eraser and/or whiteout
- calculator
- ruler
- protractor
- textbook

## Classroom Procedures

1. Come to class prepared.
2. Arrive on time and be ready to work when the bell rings. Any arrival after the bell is considered late. Stay on task for the **full** period. Work does not stop until the teacher dismisses the class.
3. Attend regularly. Good attendance leads to good results. If you are going to be away for an extended period of time please see me. Check the course website if you are away and get caught up.
4. Be courteous, and show respect for the opinions and property of others.
5. Complete homework on time.
6. Have a notebook that is well organized and complete. Please follow the guidelines below:
  - Every handout and note should include a title, date, and your name.
  - Everything is dated and filed into your notes in the order of the date.
7. Cooperate well with others. You will be working in assigned pairs for labs.
8. Dress appropriately, according to the school's dress code.
9. Come in for extra help as soon as you have difficulties. I am usually available after school and during lunch.
10. Hand in all assignments etc. on time. All of the "Essential Course Components" must be must be completed to a mark of 50% or higher in order to earn this credit. It is **YOUR RESPONSIBILITY** to remember to hand in your assignments and to get caught up if you have been absent.

### Mr. Baird's Schedule

Period	Course	Room
A	PPL 4OY	gym
B	SNC 1PI	109
C	prep	109
D	SNC 2DI	109

**GOOD LUCK AND HAVE A GREAT SEMESTER!**