SCIENCE 10: COURSE OUTLINE

**Teacher**: Mr. Eveleigh

**Room**: 117 (Ms. Hunt’s room) or 122 (Mr. Wolfe’s room)

**Time**: Block B (9:57am-11:15am) or Block D (1:36pm-2:50pm)

**Website**: <http://blogs.ubc.ca/eveleigh/> **Email**: neveleigh@sd38.bc.ca

**Description**:

Science is all about learning about the world around you. We will use this class to investigate the properties of matter and how different kinds of substances react with each other, what causes radiation and how substances undergo decay, as well as the physical properties of motion and how we measure them. Come prepared to explore concepts by participating in inquiry-based lessons, creative projects, and scientific labs.

**Classroom Rules**:

My classroom is based on respect. As an important member of the class, you need to respect the classroom, respect the teacher, respect your classmates, and most importantly respect yourself. Showing respect includes things such as: coming to class on time, prepared to learn, and with all the materials you need, completing assignments thoughtfully and before the due date, and demonstrating kindness and care for yourself, your peers, and your teacher.

If you have circumstances preventing you from meeting these standards, such as not being able to come on time or having to miss a class, please come to speak with me and we will work out solutions on a case-by-case basis.

**Grading**:

Each unit will have a variety of forms of assessment, and you will be marked on each one as follows:

*Unit Test 40%*

*Chapter Quizzes 20%*

*Labs 20%*

*Projects 20%*

*Total: 100%*

Practice problems from the textbook will also be done throughout the unit, and a review study guide will be made before the unit test. These forms of assessment are extremely important parts of learning, but they will not count towards your final grade. This is because your final grade in this class represents your final understanding of the concepts.

You should use the practice problems and review to help you understand the concepts so that you can demonstrate your knowledge on the other forms of assessment. You will not be punished for answering a practice problem incorrectly; making mistakes is an important part of the learning process!

**Topics Covered**:

Safety: Introduction, Classroom Rules, and Poster Presentations

Unit B: Elements, Compounds, and Reactions

*Chapter 6: Elements, Atoms, and the Atomic Theory*

*Chapter 7: Compounds, Ions, and Molecules*

*Chapter 8: Classifying Chemical Compounds*

*Chapter 9: Investigating Chemical Reactions*

Unit C: Radioactivity

 *Chapter 10: Radioactivity and the Atom*

 *Chapter 11: Atomic Energy*

Unit D: Motion

 *Chapter 12: Displacement, Time, and Velocity*

 *Chapter 13: Acceleration*

After we finish Motion, I will be handing the classroom back over to Ms. Hunt and Mr. Wolfe, who will lead you on many more exciting adventures in science!