

Grade 8 Science

Mr. Connor

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Welcome to Science 8. I am excited to explore science with you. I hope that you will enjoy exploring the world and how it works as much as I do. To allow you the best opportunity to express your passion for discovery I will have you sitting in groups and working with your peers as much as possible.

Please use your peers as a support network. No one (almost) can be successful at science all alone. We need each other. You can always come see me if you need help. My office is in room 105. Come see me at lunch or after school if you ever have any questions. Don't suffer alone.

I will always (at least try) give you time during class to finish all of your homework. If you use class time effectively you should not have to worry about bringing homework home. The assigned work will always be posted to my website (math1337.weebly.com). Please check there if you miss a day.

Core Competencies: *We will always be looking to teach skills that will help all aspects of life. We will try to accomplish this in every class, every day.*

- Develop your communication skills
- Develop your critical and creative thinking skills
- Develop your personal and social identity

Strategies:

Group work

Peer tutoring / sharing

Vertical Surfaces

Class sharing

Projects

Lecture

Learning Standards:

<i>Biology:</i> Life processes are performed at the cellular level	<i>Chemistry:</i> Behaviour of matter can be explained by the kinetic molecular theory and atomic theory
<i>Physics:</i> Energy can be transmitted at both a particle and a wave	<i>Earth Science:</i> The theory of plate tectonics is the unifying theory that explains Earth's geological processes.

Assessment:

The majority of your mark will be from tests, labs, and projects. We will have a test at the end of each chapter.

You will also be marked for a group project and regular assignments and quizzes.

You will be showing that you understand the concepts before the tests by participating in the many vertical surface activities that will allow you to show not only myself, but your classmates that you have mastered the relevant skill.

Discussing science and the concepts behind the science will be a key component of your learning.