

SCIENCE 9 COURSE OUTLINE

Ms. Erin Emberly

Expectations

Students are expected to:

- Arrive on with all necessary class materials. (pencil, math journal and calculator - must have own)
- Respect their environment, teacher and classmates.
- Be responsible for their learning.
- Follow the rules outlined by the school.
- Only use their technology at appropriate times.
- Catch up on work when time is missed from school (which can be found in Google Classroom)

Extra Help

- Offered at lunch at the students' request most days of the week.

Course Outline

Text: SCIENCEPOWER 9 by McGraw-Hill Ryerson

Unit 1: Reproduction - Students will be introduced to biology and learn about mitosis and meiosis, asexual and sexual reproduction and a brief look at genetics.

Unit 2: Atoms and Elements - Students will be introduced to chemistry and learn about physical and chemical changes, chemical reactions, atomic theory, chemical bonding and the periodic table.

Unit 3: Electricity - Students will be introduced to physics and learn about static electricity, types of circuits and formulae to determine current and voltage.

Unit 4: Space Exploration - Students will be introduced to space through astronomy and physics as a vast universe made of matter, energy, and celestial bodies that interact using forces like gravity.

Assessment and Evaluation

- A variety of in-class assignments, homework questions, conferences, tests, quizzes, and journal responses will be used to assess the students' understanding of each outcome. This information will be used to determine a numerical grade at the end of each term.
- Students are evaluated on specific curriculum outcomes using a 1-4 scale:

Achievement Level	Description
4	In-depth knowledge and understanding of content and concepts. Able to extend the application of related skills.
3+	Competent +
3	Competent knowledge and understanding of content and concepts. Appropriate application of the related skills.
2+	Developing +
2	Developing knowledge and understanding of content and concepts. Developing in the application of the related skills.
1+	Limited +
1	Limited knowledge and understanding of content and concepts. Limited application of related skills.

Report Card Language

There are three terms in junior, students will receive three report cards throughout the year. The report card will show a percentage mark for any units taught during the given term.

The following will be used to summarize the math performance pertaining to the math outcomes:

90-100% - excellent or outstanding understanding of the concepts.

80-89% - very good understanding of the concepts.

70-79% - good performance understanding of the concepts.

60-69% - satisfactory understanding of the concepts.

50-59% - minimally acceptable understanding of the concepts.

Below 50% - not met minimum requirements to show understanding of the concepts.

A final grade will also be given to grade 9 students in June.

Parents/guardians and students are welcome and encouraged to contact me anytime if you have any questions or concerns.