



Science 9

Science 9 Communication Plan 2016-2017

Teacher: Mrs. Rebecca Williams

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Course Focus

The general curriculum outcomes are as follows:

- Students will develop an understanding of the nature of science and technology
- Students will develop the skills required for scientific and technological inquiry, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions.
- Students will construct knowledge and understandings of concepts in life science, physical science, and Earth and space science, and apply these understandings to interpret, integrate, and extend their knowledge.
- Students will be encouraged to develop attitudes that support the responsible acquisition and application of scientific and technological knowledge to the mutual benefit of self, society, and the environment.

<http://www.ednet.ns.ca/pdfdocs/curriculum/LOFs7-9-April20-2012-WEB.pdf>

The Nova Scotia Department of Education sets the focus of the grade 9 science curriculum in the following four units:

UNIT 1: LIFE SCIENCE: Reproduction

- Cell Division, mitosis and meiosis
- Cell Theory
- Genetics
- Sexual vs. asexual reproduction
- Structure of the cell
- Biotechnology and the History of Genetic Research

UNIT 2: PHYSICAL SCIENCE: Atoms and Elements

- WHMIS and lab safety
- Physical Properties of different materials
- Changes in physical properties of materials resulting from chemical reactions
- Modelling atoms and molecules
- Compare characteristics and atomic structure of common elements
- Chemical Symbols and Molecular Formulae of common elements

UNIT 3: PHYSICAL SCIENCE: Characteristics of Electricity

- Static Electrical Charges –Properties and Production
- Compare Static Electricity and Electrical Current
- Flow of charge in an electrical circuit
- Series and Parallel Circuits
- Transfer and Conversion of Energy

UNIT 4: Earth and Space Science: Space Exploration

- Formation of the Solar System
- Major Components of the Universe
- Evolution and Origin of the Universe
- Motion of Celestial Bodies
- Composition and Characteristics of the Components of the Solar System

Expectations

Students are expected to:

- Adhere to the school's student code of conduct
- Arrive to class on time
- Respect themselves, the school community, and the learning environment
- Complete all assessments on-time
- Comply with agreed upon classroom rules
- Follow lab safety rules

Note: If time is missed, it is the student's responsibility to get the work missed when they return or get someone to bring it home for them. When tests or assignments are missed, it is their responsibility to make arrangements with me as soon as they return back to school to make up the work. Parents can also follow their child's progress by logging on to PowerSchool; assessment information will be updated regularly.

Assessment

Students will be assessed on their knowledge and understanding of the curriculum outcomes through completion of class work, projects, presentations, group work, labs, quizzes, journals and tests. There will be both formative and summative assessments throughout the year.

Website

Students, parents and guardians are encouraged to check my website on a regular basis. Important reminders and information will be posted regularly.

Extra help is available daily. Please meet with me if you plan to attend.

I am looking forward to working with you and your child this year. If you have any questions at any point in the year please do not hesitate to contact me.

Sincerely,

Rebecca Williams
Grade 9 Science Teacher

CONFIRMATION OF RECEIPT OF COMMUNICATION PLAN

Science 9

Mrs. Williams

In order to insure that both the students and the parents or guardians have received and read the communication plan, including the method of assessment/evaluation, I ask that you both sign this form and return it to me as soon as possible. I have also added a section for parents/guardians name, email and phone number so that I can be in contact with you regarding your son's/daughter's progress. This form will be saved for future reference.

We, the undersigned, attest to have read and understand the communication plan for Science 9 offered by Mrs. Williams at Duncan MacMillan High School.

Student's signature

Date

Parent's or Guardian's signature

Date

Parent's Info

Please write down an email and phone number which I can use to be in contact with you regarding your son's/daughter's progress.

Parents' name: _____

E-Mail: _____

Phone #: _____

