**Science 8- 2018/2019**

**Email**: [Danielle.Carter@hrce.ca](mailto:Danielle.Carter@hrce.ca)

**Extra Help**: Tuesday Mornings (8:00am) or Tuesday at Lunch (12:10pm); or by appointment as requested

**Website**: [www.msdcarter.weebly.com](http://www.msdcarter.weebly.com/)

Due dates are ALWAYS listed on the website ASAP and will be located on the calendar at the back!

**Classroom Expectations**

* Be on-time, on-task and prepared to learn **everyday**.
* Keep all personal electronics put away unless otherwise directed
* Be responsible for your own learning!
  + **Look and Listen** to explanations, due dates and directions.
  + If you are absent- **YOU’RE RESPONSIBLE** for catching up. Check the website, the class calendar, with another student and the extra sheets bin first, then see me!
* **RESPECT** the teacher, the classroom and other students
* Hand in your work **on time** and with **a name** on it. (No name=No credit)
* Trash goes in the trashcan at the end of the class!

**Curriculum Outcomes:**

Curriculum outcomes are statements that indicate what students are expected to know and be able to do in particular subject areas. The following are the general curriculum outcomes for grade 8 Science:

*Develop and understanding of the nature of science and technology, of the relationships between science and technology, and of the social and environmental contexts of science and technology.*

*Develop the skills required for scientific and technological inquiry, for solving problems and for communicating scientific ides and results, for working collaboratively and for making informed decisions.*

*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.*

*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.*

**Units of Study:**

In this science program, these curriculum outcomes will be achieved through the learning experiences, strategies and skills, which are identified and taught within the context of the following units of study (in no specific order):

Earth and Space Science: Water Systems on Earth Life Science: Cells, Tissues, Organs and Systems

Physical Science: Optics and Light Physical Science: Fluids

There will also be smaller sections within each unit that look at basic scientific processes (the scientific method), terminology and scientific skills, microscopy, lab safety and experimentation and technology and coding. These will be integrated in order to provide students with the proper background before looking at the other unit topics in depth.

**Assessment and Evaluation:**

Assessment is an on-going process that is both informal and formal in nature. Students will be provided with multiple opportunities to demonstrate knowledge, skills and attitudes.

Assessment activities may include:

- Class work - Individual and group work

- Teacher Observation - Projects

- Interviews/conferences/one-one discussions - Tests/quizzes

- Self/peer evaluations - Labs/investigations

- Written assignments - Other performance based tasks

**Achievement Rubric:**

|  |  |
| --- | --- |
| **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. |

**Explanation of Letter Grades:**

The student’s achievement is evaluated in terms of expected learning outcomes established by the Department of Education for each grade level and for each subject, or individualized outcomes developed by the student’s Program Planning Team. Term and Year end grades will reflect the overall performance on assessments and evaluations throughout the course of study. These grades will depend upon the degrees to which the student meets the Learning Outcomes.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reporting Codes** | **Descriptor** | Demonstrates **excellent** understanding and application of concepts and skills in relation to the learning outcomes | Demonstrates  **very good** understanding and application of concepts and skills in relation to the learning outcomes | Demonstrates **good** understanding and application of concepts and skills in relation to the learning outcomes | Demonstrates **satisfactory** understanding and application of concepts and skills in relation to the learning outcomes | Demonstrates **minimal** understanding and application of concepts and skills in relation to the learning outcomes | Has  **not met** minimum  requirements  of the course. |
| **Grades** | 90-100% | 80-89% | 70-79% | 60-69% | 50-59% | Below 50% |

**Supplies:** Students are required to bring the following to class: binder, loose-leaf, graph paper, blue/black pens, pencils, coloured pencils, rulers, scissors, calculator.

**Textbook:** Science 8 uses the “Nelson: Science & Technology 8”. Textbooks will be provided in class as needed. Students may sign out a textbook at any time, but it is their responsibility to return it.

**Homework:** Regular review, pre-reading and homework is an essential component of the science program, as it extends the opportunity for students to think scientifically and to reflect on ideas explored during class time. Ample class time will be provided to students to complete most assignments, but it may be necessary for students to complete some work at home. Any work sent home will be given a due date decided upon in class.

**PowerSchool:** Parents, Guardians and students are able to access student attendance and evaluations anytime online using PowerSchool. Please see the elj.hrce.ca website for link to PowerSchool Parent and Student.

**Communication:** I encourage you to contact me at any time if you have any questions or concerns. My email is [Danielle.carter@hrce.ca](mailto:Danielle.carter@hrce.ca) . You can also call me at the school number ((902) 435-8420). I am at Ellenvale Junior High School 4 days a week (Mon-Wed, Fridays)

**Scheduled communication times are:**

* Curriculum Night (Sept 13th 6-8pm)
* Report cards (T1- Nov 26-Dec 6th, T2- March 26-April 11th, T3- June 28h)
* Parent-Teacher Night (T1:Dec 6th, T3: April 11th)

Sincerely,

Mrs. D. Carter