**Science 10**

**Wesmor Public High School**

Mrs. D. Arpin

This course is composed of three major areas of study titled: Climate and Ecosystem Dynamics, Chemical Reactions and Force and Motion in our world.

Please ensure that you are prepared by bringing the following items to every class:

* Binder
* Pencil and eraser
* Highlighter
* Calculator

Attendance is crucial to success. If you are going to be absent, please notify myself or the school secretary.

* Mrs. Arpin: [darpin@srsd119.ca](mailto:darpin@srsd119.ca)
* Wesmor Public High School: (306)764-5233
* Send a Text: (306) 981-5231

**ASSESSMENT**

Your work will be assessed on a four point scale using a rubric. Each outcome will receive its own grade on the four point scale. Below is a general rubric that will be used with a specific rubric that will be used for each of the outcomes that will be met.

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| --- | --- | --- | --- |
| **Mastery**  **4**  **(independent)** | **Proficiency**  **3**  **(needs guidance)** | **Approaching**  **2**  **(needs frequent support)** | **Beginning**  **1**  **(needs individual support)** |

**Science 10 Outcomes**

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| --- | --- | --- |
| |  | | --- | | **Career Investigation** | | **SCI10-CI1** Investigate career paths related to various science disciplines and sub-disciplines. | |
| **Climate and Ecosystem Dynamics** |
| **SCI10-CD1** Assess the consequences of human actions on the local, regional, and global climate and the sustainability of ecosystems. |
| **SCI10-CD2** Investigate factors that influence Earth’s climate system, including the role of the natural greenhouse effect. |
| **SCI10-CD3** Examine biodiversity through the analysis of interactions among populations within communities. |
| **SCI10-CD4** Investigate the role of feedback mechanisms in biogeochemical cycles and in maintaining stability in ecosystems. |
| **Chemical Reactions** |
| **SCI10-CR1** Explore the characteristics of a variety of chemical reactions, including the role of energy changes. |
| **SCI10-CR2** Name and write formulas for common ionic and molecular chemical compounds, including acids and bases. |
| **SCI10-CR3** Represent chemical reactions and conservation of mass symbolically using models, word and skeleton equations, and balanced chemical equations. |
| **SCI10-CR4** Investigate the rates of chemical reactions, including factors that affect the rate. |
| **Force and Motion in Our World** |
| **SCI10-FM1** Explore the development of motion-related technologies and their impacts on self and society. |
| **SCI10-FM2** Investigate and represent the motion of objects that travel at a constant speed in a straight line. |
| **SCI10-FM3** Investigate and represent the motion of objects that experience constant acceleration. |
| **SCI10-FM4** Explore the relationship between force and motion for objects moving in one and two dimensions. |