DISTRICT 17 CURRICULUM MAP

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| ***School: Oromocto High School*** | ***Teacher: Mrs. Côté*** | ***Grade/Level: 9*** | ***Discipline: Science*** |

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| ***Year:***  ***2016-2017*** | September/October | October/November | November/December | December/January |
| ContentThemeTopic Area | Reproduction (5 weeks) | Electricity (3 weeks) | Chemistry (5 weeks) | Space (3 weeks) |
| Outcomes Essential Questions | 1) Where is the genetic information found in a cell and what is it used for? (305-1)  2) What are the similarities and differenced between sexual and asexual reproduction? (305-2)  3) What are some advantages to sexual and asexual reproduction? (305-3)  4) What are the basic processes of mitosis and meiosis? (304-11)  5) What factors can cause changes in the cell’s genetic information? (305-5) | 1) What is static electricity and describe the law of electric charges? (308-13 – 308-14)  2) What are the similarities and differences between static electricity and current electricity? (308-15)  3) How do electrons flow in an electrical circuit? (308-16)  4) How are series circuits and parallel circuits similar and different? (308-17)  5) How can formulas be used to help describe electrical energy and power? (307-18) | 1) What are the two ways that you can describe matter? (307-12)  2) What are the two ways that you can describe the changes that matter goes through? (307-13)  3) What is matter made up of and what does matter look like? (307-14)  4) What are some common elements found in everyday life and how do these elements compare? (307-15)  5) How do you write chemical symbols/ molecular formulas for elements/ compounds? (307-16) | 1) What are some common theories as to how the solar system was formed? (312-1 & 312-3)  2) What are the major components that make up the universe? Describe each. (312-2)  3) How do celestial bodies move in the universe? (312-4)  4) What are the components that make up our solar system and how do they affect earth? Describe the composition and characteristics of each. (312-5& 312-6) |
| Skills | - use microscopes and slides  - compile and display data  - predict values from graph  - calculate growth rates  - select and integrate information from a variety of sources  - identify major shifts and development in scientific tech. | - use ammeter, voltmeter  - identify sources for experimental error  - identify line of best fit  - assess environmental and social impact of modern tech. | - WHMIS  - use periodic table  - compile and display data  - write lab reports  - use of historical ideas and theories | - compile and display data  - predict values from graph  - select and integrate information from a variety of sources  - use star maps  - use new evidence to test existing theories  - use higher order thinking skills to solve practical problems |
| Assessment | Labs, Projects, Assignments, Quizzes, Tests, Homework, Models, Journals, Presentations | Labs, Projects, Assignments, Quizzes, Tests, Homework, Models, Journals, Presentations | Labs, Projects, Assignments, Quizzes, Tests, Homework, Models, Journals, Presentations | Projects, Assignments, Quizzes, Tests, Homework, Models, Journals, Presentations |
| Key Resources | Nelson- Science 9  Videos  Internet  Nelson - Biology  Globe Fearon Science Workshop | Nelson- Science 9  Videos  Internet  Globe Fearon Science Workshop Series | Nelson- Science 9  Videos  Internet  Nelson – Chemistry  Globe Fearon Science Workshop Series | Nelson- Science 9  Videos  Internet |