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) |
| OutcomesEssential 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 9VideosInternetNelson - BiologyGlobe Fearon Science Workshop | Nelson- Science 9VideosInternetGlobe Fearon Science Workshop Series | Nelson- Science 9VideosInternetNelson – ChemistryGlobe Fearon Science Workshop Series | Nelson- Science 9VideosInternet |