**Health Science 20 – Year Plan 2015/16**

Ms. Vanessa Warnock

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| **Unit** | **Timeline** | **Outcomes** | **Materials/Resources** | **Evaluations** |
| Unit 1: Organization of Life | 6 weeks | **BI30-OL1** Investigate cell structure and processes, including energy transfer, and transport of materials,in unicellular and multicellular organisms.**BI30-OL2** Explore how the dynamic nature of biological classification reflects advances in scientificunderstanding of relationships among organisms.**BI30-OL3** Compare the anatomy and physiology of organisms which are representative of differentkingdoms. | * Sunwest Moodle course by Amy Lafontaine
 | Formative:* New Patient
* Kahoot Quiz Reviews
* Discussion Fill Ins
* Question Checks

Summative* Unit 1 Test
* Cell Structure Lab
* Cell Structure Labelling
* Unit Project
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| Unit 3: Genetics | 4 weeks | **BI30-GB1** Investigate the mechanisms and patterns of inheritance.**BI30-GB2** Investigate the storage, transmission, and expression of genetic information at thechromosomal level.**BI30-GB3** Investigate the storage, transmission, and expression of genetic information at the molecularlevel. | * Sunwest Moodle course by Amy Lafontaine
 | Formative* Kahoot Quiz Reviews
* Discussion Fill Ins
* Question Checks

Summative* Unit 3 Test
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| Unit 2: Life and Evolution | 4 weeks | **BI30-LI1** Explore historical and contemporary understandings of the nature of life from scientific andother perspectives.**BI30-LI2** Examine the processes and patterns of evolution and the significance of evolution as a keyunifying theme in biology.**BI30-LI3** Assess the implications of applications of biology and biotechnology on self, society, and theenvironment | * Sunwest Moodle course by Amy Lafontaine (notes)
 | Formative* Kahoot Quiz Reviews
* Discussion Fill Ins
* Question Checks

Summative* Unit 2 Test
* Labs
 |
| Final Project | 2 weeks (time also given through semester) | **BI30-SDS1** Create and carry out a plan to explore one or more topics of personal interest relevant to Biology 30 in depth. |  | Formative:* Steps 1 through 4 of project plan
* Rough draft

Summative* Final project
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Formative Assessments:

* Exit Slips
* Kahoot Quiz Reviews
* Discussion Fill Ins
* Question Checks

Summative Assessment – 60%

* Labs – 20%
* Projects – 20%
* Other Small Assignments – 20%
* Student Directed Study – 20%
* Unit Test – 20%

Departmental – 40%

**Instructional Strategies**

Teacher led; class and group discussion; small group collaboration; smartboard lessons; experiential/hands-on; inquiry projects; video; virtual learning games

**Differentiation**

Notes done together; (Visual, oral and written); Choice of Final Project; one to one instruction when needed;