

| Natural Products | |
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| Goal 1.0 Skills and Processes | |
| 1.2.2 | <i>The student will pose meaningful, answerable scientific questions^{NTB}.</i> |
| 1.2.3 | The student will formulate a working hypothesis. |
| 1.2.4 | The student will test a working hypothesis ^{NTB} . |
| 1.2.5 | The student will select appropriate instruments and materials to conduct an investigation. |
| 1.2.6 | The student will identify appropriate methods for conducting an investigation. |
| 1.3.1 | The student will develop and demonstrate skills in using lab and field equipment to perform investigative techniques ^{NTB} . |
| 1.3.2 | The student will recognize safe laboratory procedures. |
| 1.3.3 | The student will demonstrate safe handling of the chemicals and materials of science ^{NTB} . |
| 1.3.4 | The student will learn the use of new instruments and equipment by following instructions in a manual or from oral direction ^{NTB} . |
| 1.4.2 | The student will analyze data to make predictions, decisions, or draw conclusions. |
| 1.4.9 | The student will use analyzed data to confirm, modify or reject a hypothesis. |
| 1.5.1 | The student will demonstrate the ability to summarize data. |
| 1.5.2 | The student will explain scientific concepts and processes through |

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| | drawing, writing, and/or oral communication. |
| 1.7.1 | The student will apply the skills, processes and concepts of biology, chemistry, physics, or earth science to societal issues. |
| 1.7.2 | The student will identify and evaluate the impact of scientific ideas and/or advancements in technology on society. |
| 1.7.5 | The student will investigate career possibilities in the various areas of science ^{NTB} . |
| 1.7.6 | The student will explain how development of scientific knowledge leads to the creation of new technology and how technological advances allow for additional scientific accomplishments. |
| Goal 3 Concepts of Biology | |
| 3.2.2 | <i>The student will conclude that cells exist within a narrow range of environmental conditions and changes to that environment, either naturally occurring or induced, may cause changes in the metabolic activity of the cell or organism.</i> |
| 3.1 | The student will carry out scientific investigations effectively and employ the instruments, systems of measurement, and materials of science appropriately. |
| 3.3.4 | The student will interpret how the effects of DNA alteration can be beneficial or harmful to the individual, society and/or the environment. |

* Italicized CLG's are the primary focus of the laboratory activity.