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| Teacher: Runyan | Course: Biology | Period(s): 1,2,4 | Week: 12 |
| Unit Title: Mendelian Genetics | |  |  |
| State Standards: | |  |  |

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|  | Standards | Goals | As a result of this lesson the student will be able to: | Instructional Plan | Activities (aligned, sequenced, build, time) | Student Work | (Thinking & Problem Solving, Real World) | Assessment | (aligned, rubrics, >2, written) | Grouping Method | Materials | Accommodations (IEP, 504, ESOL) |
| **Monday** | H.B.4A.1  H.B.4A.2  H.B.4B.1  H.B.4B.2 | Explain how DNA sequences are transcribed, then translated into proteins | | Review the DNA transcription/ translation process  Finish the Snork building activity  Protein synthesizing practice | | Review the DNA transcription/ translation process  Finish the Snork building activity  Protein synthesizing practice | | Review (formative)  Snork activity (formative)  Protein synthesizing practice (formative) | |  | Colored pencils, crayons, markers, amino acid coding key | Extra time will be given as needed, one to one interactions as needed or requested |
| **Tuesday** | H.B.4A.1  H.B.4A.2  H.B.4B.1  H.B.4B.2 | Describe the structure and function of DNA  Describe how DNA is replicated, being semi conservative  Explain how DNA is transcribed and translated into proteins | | EOC practice questioning (x4)  Protein synthesis worksheet/ review  Molecular genetics study guide  Interactive review game (time permitting) | | EOC practice questioning  Protein synthesis worksheet  Molecular genetics study guide  Interactive review game | | EOC practice (formative)  Protein synthesis worksheet (formative)  Study guide (formative)  Interactive review game | |  |  | Extra time will be given as needed, one to one interactions as needed or requested |
| **Wednesday** | H.B.4A.1  H.B.4A.2  H.B.4B.1  H.B.4B.2 | Describe the structure and function of DNA  Describe how DNA is replicated, being semi conservative  Explain how DNA is transcribed and translated into proteins | | Molecular Genetics Unit Assessment | | Molecular Genetics Unit Assessment | | Molecular Genetics Unit Asssessment (summative) | |  |  | Extra time will be given as needed, one to one interactions as needed or requested |
| **Thursday** | H.B.4A.1  H.B.4A.2  H.B.4B.1  H.B.4B.2 | Explain the process of Meiosis and how it provides for genetic variation | | Review the molecular genetics unit assessment  Guided notes on meiosis  Heredity unit – vocabulary graphic organizer | | Review the molecular genetics unit assessment  Guided notes on meiosis  Heredity unit – vocabulary organizer | | Reviewing the unit assessment (summative) | |  |  | Extra time will be given as needed, one to one interactions as needed or requested |
| **Friday** | H.B.4A.1  H.B.4A.2  H.B.4B.1  H.B.4B.2 | Explain the process of Meiosis and how it provides | | EOC practice questioning  Review the processes of meiosis  Complete the meiosis puzzle building activity  Finish the heredity unit – vocab graphic organizer | | EOC practice questioning  Complete the meiosis puzzle building activity  Finish vocab graphic organizer | | EOC questioning (formative)  Meiosis puzzle building (formative) | |  | Scissors and glue sticks | Extra time will be given as needed, one to one interactions as needed or requested |

\* All plans are subject to change. Student progress will be monitored and adjustments will be made.