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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.2H.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 activityProtein 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.2H.B.4B.1 H.B.4B.2 | Describe the structure and function of DNA Describe how DNA is replicated, being semi conservativeExplain 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.2H.B.4B.1 H.B.4B.2 | Describe the structure and function of DNA Describe how DNA is replicated, being semi conservativeExplain 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.