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| Teacher: Runyan  | Course: Biology  | Period(s): 1,2,4 | Week #14  |
| Unit Title: Heredity/ 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 | Construct and interpret a karyotype in order to predict genetic disorders  | Review karyotyping  Finish genetic disorder student discussions  Human Karyotyping Gizmo/ online lab | Genetic Disorder student discussions Human Karyotyping Gizmo  | Student/ class discussions (formative) Human karyotyping gizmo (formative)  |  | Student laptops  | 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 | Construct a pedigree and explain its purpose in showing family inheritance  |  Go over the human karyotyping gizmo as a class Guided notes via text (using google classroom) on pedigree building a purposePedigree practice worksheet/ identifying inheritance Begin family pedigree project (assigned through google classroom)  |  Guided notes on pedigrees Pedigree practice worksheet Family pedigree project  |  Guided notes Pedigree practice worksheet (formative) Family pedigree project (summative)  |  | Markers, crayons, colored pencils, scissors  | 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 |   |  |  |   |  |  | 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 |  |   |   |  |  |  | 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 |  |  |  |  |  |  | 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.