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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 purpose  Pedigree 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.