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| Teacher: Runyan  | Course: Biology  | Period(s): 1,2,4 | Week of: / Dates: 9/3 |
| Unit Title: Biochemistry/ Cell Structure  |  |  |
| 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.2A.1 | Describe the structure and function of enzymes and their importance to cellular functions  | Guide students through the conclusion of the liver enzyme lab, re-illustrate the enzyme cartoonReview for biochemistry unit assessment  | Wrap up the liver enzyme lab and conclusions. Real world problem solving questions. Review stations  | Real world problem solving questions (formative) Review stations (formative)  | Random selection  | General lab glassware  | Extra time will be given as needed, one to one interactions as needed or requested  |
| **Tuesday** | H.B.3A.3 | Identify, describe, and explain the components of organic compounds  | Gizmo (computer activity/ interactive lab) allowing students to identify proper organic molecules within in a substance  |  Gizmo interactive lab with a handout that will follow along, allowing them to organize data | Gizmo student guide (formative)  |  | Student Computers  | Extra time will be given as needed, one to one interactions as needed or requested  |
| **Wednesday** | H.B.3A.3H.B.2A.1H.B.2A.2 | Demonstrate knowledge gained by showing growth on unit assessment | Biochemistry Unit AssessmentIntroduction into Cellular Structure  | Biochemistry Unit Assessment Cellular Structure Pre-Assessment | Unit Assessment (Summative) |  |  | Extra time will be given as needed, one to one interactions as needed or requested  |
| **Thursday** | H.B.2B.1H.B.2B.2 H.B.2C.2  | Explain the cell theory Describe the differences between prokaryotic and eukaryotic cells  | Teacher led intro into the difference between cells… student created graphic organizer to identify differences Prep for bacteria investigation lab and cell identification lab activities  | Create graphic organizer to identify key differences between cells Reinforcing cell assignment guided by the text  | EOC prep question (formative) Reinforcing assignment (formative)  | Random selection  | Textbook, microscopes  | Extra time will be given as needed, one to one interactions as needed or requested  |
| **Friday** |  |  |  |  |  |  |  | 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.