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| Teacher: Y. Abrams | Course: Biology I CP | Period(s): 3 and 4 | Week of: / Dates: 9/18 – 9/22 |
| Unit Title: Inquiry and Biochemistry; Cells | |  |  |
| State Standards: B-1, B-2, B-3; B-2 | |  |  |

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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 | Construct explanations of how the structures of carbohydrates, lipids, proteins, and nucleic acids are related to their functions in organisms. | | Warm-up question (10 min.)  Finish macromolecule study guide and building activity (65 min.)  Review test study guide (10 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Develop models of macromolecules.  HW: define weekly vocabulary | | Informal assessment by asking questions and student summaries during class discussions/activities.  Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | | Whole group  Individual practice | Biology textbook  Handouts  SMARTBORAD | Extended time on assignments.  Read aloud all directions from handouts. |
| **Tuesday** | H.B.2A.1 | Construct explanations of how the structures of carbohydrates, lipids, proteins, and nucleic acids are related to their functions in organisms | | Warm-up question (10 min.)  Review weekly vocabulary (10 min.)  Test review stations/Gizmo simulation (65 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Apply unit content to activities in review stations.  Use simulation to analyze substances for macromolecules. | | Informal assessment by asking questions and student summaries during class discussions/activities.  Results and student analysis of simulation.  Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | | Whole group  Individual practice | Biology textbook  Handouts  SMARTBORAD  COW | Extended time on assignments.  Read aloud all directions from handouts. |
| **Wednesday** | H.B.2A.1 | Construct explanations of how the structures of carbohydrates, lipids, proteins, and nucleic acids are related to their functions in organisms. | | Warm-up question (10 min.)  Unit One test (45 min.)  Finish Gizmo (30 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Complete Unit One assessment.  Use simulation to analyze substances for macromolecules. | | Informal assessment by asking questions and student summaries during class discussions/activities.  Results and student analysis of simulation.  Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | | Whole group  Individual practice | Biology textbook  Handouts  SMARTBORAD  COW | Extended time on assignments.  Read aloud all directions from handouts. |
| **Thursday** | H.B.2B.1  H.B.2B.2 | Develop and use models to explain how specialized structures within cells interact to produce, modify, and transport proteins. Collect and interpret descriptive data on cell structures to compare and contrast different types of cells. | | Warm-up question (10 min.)  Show what you know activity (10 min.)  Microscope lab (65 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Demonstrate previous knowledge of cells.  Practice using a microscope. | | Informal assessment by asking questions and student summaries during class discussions.  Microscope lab results.  Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | | Whole group  Assigned lab groups | Biology textbook  Handouts  Smartboard  Lab equipment | Extended time on assignments.  Read aloud all directions from handouts. |
| **Friday** | H.B.2B.1 | Develop and use models to explain how specialized structures within cells interact to produce, modify, and transport proteins. | | Warm-up question (10 min.)  Vocabulary quiz (15 min.)  Cell notes (30 min.)  Cell structure graphic organizer (30 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Summarize structure and function of major cell organelles.  Organize information on cells into graphic organizer. | | Informal assessment by asking questions and student summaries during class discussions.  Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | | Whole group  Individual practice | Biology textbook  Handouts  Smartboard | Extended time on assignments.  Read aloud all directions from handouts. |

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