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| Teacher: Y. Abrams | Course: Biology I CP | Period(s): 3 and 4 | Week of: / Dates: 10/2 – 10/6 |
| Unit Title: Cells | |  |  |
| State Standards: B-1, 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.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.)  Cell organelle review (15 min.)  Prokaryotic and eukaryotic cell activity (60 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Model differences and similarities between prokaryotic and eukaryotic cells.  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.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.)  Review weekly vocabulary (10 min.)  Cell transport STEM style notes (30 min.)  Cell transport problems (35 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Apply terms to transport processes in cells.  Determine water movement in osmosis. | | 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  COW | Extended time on assignments.  Read aloud all directions from handouts. |
| **Wednesday** | 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.)  Diffusion lab/practice problems (75 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Model diffusion. | | Informal assessment by asking questions and student summaries during class discussions/activities.  Lab results.  Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | | Whole group  Individual practice  Assigned lab groups | Biology textbook  Handouts  SMARTBORAD  COW | Extended time on assignments.  Read aloud all directions from handouts. |
| **Thursday** | H.B.2B.1  H.B.2C.2 | Develop and use models to explain how specialized structures within cells interact to produce, modify, and transport proteins. Ask scientific questions to define the problems that organisms face in maintaining homeostasis within different environments. | | Warm-up question (10 min.)  Vocabulary quiz (10 min.)  Cell organelle coloring study guide (65 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Discuss cell organelles and functions. | | 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. |
| **Friday** | H.B.2C.2 | Ask scientific questions to define the problems that organisms face in maintaining homeostasis within different environments. | | Warm-up question (10 min.)  Review cell organelle study guide (20 min.)  Organelle relationship writing activity (30 min.)  Prokaryotic cell coloring study guide (25 min.)  Exit slip (5 min.) | | Respond to warm-up question using content knowledge.  Relate various cell organelles and their functions to each other. | | Informal assessment by asking questions and student summaries during class discussions.  Writing rubric.  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.