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| Teacher: Y. Abrams | Course: Biology I CP | Period(s): 3 and 4 | Week of: / Dates: 9/25 – 9/29 |
| 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 structure notes/diagrams (35 min.)Cell analogy activity (40 min.)Exit slip (5 min.) | Respond to warm-up question using content knowledge.Make connections between cell organelles and real world places.HW: define weekly vocabulary | Informal assessment by asking questions and student summaries during class discussions/activities.Cell analogy results.Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | Whole groupAssigned groups | Biology textbookHandoutsSMARTBORAD | 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.)Organelle relationships and protein building activity (25 min.)Start cell projects (40 min.)Exit slip (5 min.) | Respond to warm-up question using content knowledge.Evaluate cell organelle relationships.Research and design presentation on assigned cell organelle.  | Informal assessment by asking questions and student summaries during class discussions/activities.Results and student analysis of relationship activity.Project rubric.Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | Whole groupIndividual practiceAssigned groups | Biology textbookHandoutsSMARTBORADCOW | Extended time on assignments.Read aloud all directions from handouts. |
| **Wednesday** | H.B.2B.1H.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.)Graphic organizer for cell types (35 min.)Work on projects (40 min.)Exit slip (5 min.) | Respond to warm-up question using content knowledge.Compare and contrast characteristics of cell types.Research and design presentation on assigned cell organelle. | Informal assessment by asking questions and student summaries during class discussions/activities.Project rubricUnit test that includes multiple choice questions, graphic interpretation, and free response questions. | Whole groupIndividual practice | Biology textbookHandoutsSMARTBORADCOW | Extended time on assignments.Read aloud all directions from handouts. |
| **Thursday** | H.B.2B.1H.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.)Cell structure and function quiz (10 min.)Cell membrane model (35 min.)Cell transport notes (30 min.)Exit slip (5 min.) | Respond to warm-up question using content knowledge.Create model of cell membrane.Discuss cell transport processes. | 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 groupIndividual practice | Biology textbookHandoutsSmartboard | 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.)Vocabulary quiz (15 min.)Cell transport lab (60 min.)Exit slip (5 min.) | Respond to warm-up question using content knowledge.Define problems faced by cells in maintain homeostasis. | Informal assessment by asking questions and student summaries during class discussions.Lab results.Unit test that includes multiple choice questions, graphic interpretation, and free response questions. | Whole groupIndividual practiceAssigned lab groups | Biology textbookHandoutsSmartboardLab equipment | 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.