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| Teacher: Y. Abrams | Course: AP Biology | Period(s): 2 | Week of: / Dates: 11/27 – 12/01 |
| Unit Title: Interactions | |  |  |
| State Standards: AP College Board Big Idea 4 | |  |  |

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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** | EK 4.A.2  LO 4.4 | Make predictions about the interactions of subcellular organelles. | | Warm-up question (10 min.)  Ch. 6 notes (50 min.)  Cell interaction study guide (25 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Discuss cell organelle structures and functions.  Infer relationships between various organelles.  Read 8.4 | | Warm-up response rubric  Informal assessment during discussion by questioning and student summaries  Unit test consisting of multiple choice and free response questions | | Whole group  Individual practice | AP Biology textbook  Handouts  Powerpoint presentations | N/A |
| **Tuesday** | EK 4.B.1  LO 4.17 | Analyze data to identify how molecular interactions affect structure and function. | | Warm-up question (10 min.)  Reading quiz (15 min.)  Enzyme lab (60 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Conduct lab experiment to determine environmental effects on enzymes. | | Warm-up response rubric  Lab results analysis  Multiple choice and free response quiz  Unit test consisting of multiple choice and free response questions | | Individual practice  Whole group | AP Biology textbook  Handouts  SMARTBOARD  Lab materials | N/A |
| **Wednesday** | EK 4.B.1  LO 4.17 | Analyze data to identify how molecular interactions affect structure and function. | | Warm-up question (10 min.)  Enzyme notes (40 min.)  Protein folding activity (35 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Discuss enzyme activity.  Complete protein folding activity and predict possible outcomes of misfoldings. | | Warm-up response rubric  Multiple choice and free response quiz  Unit test consisting of multiple choice and free response questions | | Individual practice  Whole gourp | AP Biology textbook  Handouts  SMARTBOARD | N/A |
| **Thursday** | EK 4.A.2  LO 4.4  EK 4.B.1  LO 4.17 | Make predictions about the interactions of subcellular organelles.  Analyze data to identify how molecular interactions affect structure and function. | | Warm-up question (10 min.)  Open-note interactions test (75 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Complete multiple choice and free response test. | | Warm-up response rubric  Unit test consisting of multiple choice and free response questions | | Individual practice | AP Biology textbook  Handouts | N/A |
| **Friday** | EK 4.B.2  LO 4.18 | Use representations and models to analyze how cooperative interactions within organisms promote efficiency in the use of energy and matter. | | Warm-up question (10 min.)  Vocabulary quiz (15 min.)  Digestive system notes (40 min.)  Digestion model (20 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Discuss digestive process and interrelatedness of organs. | | Warm-up response rubric  Multiple choice and free response quiz  Unit test consisting of multiple choice and free response questions | | Individual practice  Whole group | AP Biology textbook  Handouts  SMARTBOARD | N/A |

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