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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.2LO 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 rubricInformal assessment during discussion by questioning and student summariesUnit test consisting of multiple choice and free response questions | Whole groupIndividual practice | AP Biology textbookHandoutsPowerpoint presentations | N/A |
| **Tuesday** | EK 4.B.1LO 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 rubricLab results analysisMultiple choice and free response quizUnit test consisting of multiple choice and free response questions | Individual practiceWhole group | AP Biology textbookHandoutsSMARTBOARDLab materials | N/A |
| **Wednesday** | EK 4.B.1LO 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 rubricMultiple choice and free response quizUnit test consisting of multiple choice and free response questions | Individual practiceWhole gourp | AP Biology textbookHandoutsSMARTBOARD | N/A |
| **Thursday** | EK 4.A.2LO 4.4EK 4.B.1LO 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 rubricUnit test consisting of multiple choice and free response questions  | Individual practice | AP Biology textbookHandouts | N/A |
| **Friday** | EK 4.B.2LO 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 rubricMultiple choice and free response quizUnit test consisting of multiple choice and free response questions | Individual practiceWhole group | AP Biology textbookHandoutsSMARTBOARD | N/A |

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