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| Teacher: Y. Abrams | Course: AP Biology  | Period(s): 2 | Week of: / Dates: 11/13 – 11/17 |
| Unit Title: Ecology |  |  |
| 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.1LO 4.1 | Explain the connection between the sequence and the subcomponents of a biological polymer and its properties.  | Warm-up question (10 min.)Reading quiz (15 min.)Ch. 4 notes (40 min.)Crash course video (20 min.)Exit slip (5 min.) | Warm-up question response applying class content.Discuss macromolecules.Read 5.1 and 5.2 | 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.A.1LO 4.2 | Refine representations and models to explain how the subcomponents of a biological polymer and their sequence determine the properties of that polymer. | Warm-up question (10 min.)Reading quiz (15 min.)Macromolecule project (60 min.)Exit slip (5 min.) | Warm-up question response applying class content.Begin research on macromolecules.Read 5.3 and 5.4 | Warm-up response rubricProject rubricMultiple choice and free response quizUnit test consisting of multiple choice and free response questions | Individual practiceWhole group | AP Biology textbookHandoutsSMARTBOARDCOW | N/A |
| **Wednesday** | EK 4.A.1LO 4.2 | Refine representations and models to explain how the subcomponents of a biological polymer and their sequence determine the properties of that polymer. | Warm-up question (10 min.)Reading quiz (15 min.)Macromolecule project (60 min.)Exit slip (5 min.) | Warm-up question response applying class content.Complete macromolecule project.Read 6.1 and 6.2 | Warm-up response rubricMultiple choice and free response quizProject rubricUnit test consisting of multiple choice and free response questions | Individual practice | AP Biology textbookHandoutsCOW | N/A |
| **Thursday** | EK 4.A.2LO 4.4 | Make predictions about the interactions of subcellular organelles. | Warm-up question (10 min.)Reading quiz (15 min.)Cell size lab (40 min.)Cell labeling (20 min.)Exit slip (5 min.) | Warm-up question response applying class content.Complete cell size lab and labeling activity.  | Warm-up response rubricMultiple choice and free response quizUnit test consisting of multiple choice and free response questions  | Individual practiceWhole group | AP Biology textbookHandoutsSMARTBOARDLab materials | N/A |
| **Friday** | EK 4.A.2LO 4.4 | Make predictions about the interactions of subcellular organelles. | Warm-up question (10 min.)Vocabulary quiz (15 min.)Cell membrane notes (20 min.)Membrane model (40 min.)Exit slip (5 min.) | Warm-up question response applying class content.Create model of cell membrane.  | 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.