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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.1  LO 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 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.A.1  LO 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 rubric  Project 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  COW | N/A |
| **Wednesday** | EK 4.A.1  LO 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 rubric  Multiple choice and free response quiz  Project rubric  Unit test consisting of multiple choice and free response questions | | Individual practice | AP Biology textbook  Handouts  COW | N/A |
| **Thursday** | EK 4.A.2  LO 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 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  Lab materials | N/A |
| **Friday** | EK 4.A.2  LO 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 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.