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| Teacher: Y. Abrams | Course: AP Biology | Period(s): 2 | Week of: / Dates: 10/23 – 10/27 |
| 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.6  LO 4.16 | Predict the effects of a change of matter or energy availability on communities. | | Warm-up question (10 min.)  Community ecology notes (35 min.)  Population graphs (40 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Practice analyzing data from various graphs.  Read 54.1 and 54.3 for Wednesday | | Warm-up response rubric  Informal assessment during discussion by questioning and student summaries  Multiple choice and free response quiz | | Individual practice  Whole group | AP Biology textbook  Handouts  Powerpoint presentations | N/A |
| **Tuesday** | EK 4.A.6  LO 4.16 | Predict the effects of a change of matter or energy availability on communities. | | Substitute teacher plans. | | Complete ecology review questions. | | Student responses. | | Individual practice | AP Biology textbook  Handouts | N/A |
| **Wednesday** | EK 4.A.6  LO 4.15 | Use visual representations to analyze situations or solve problems qualitatively to illustrate how interactions among living systems and with their environment result in the movement of matter and energy. | | Warm-up question (10 min.)  Reading quiz (15 min.)  HHMI short film activity (60 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Analyze research data to make predictions about the effects of species interactions. | | Warm-up response rubric  Multiple choice and free response quiz  Short film activity responses | | Individual practice  Whole group | AP Biology textbook  Handouts  HHMI resources | N/A |
| **Thursday** | EK 4.A.6  LO 4.16 | Predict the effects of a change of matter or energy availability on communities. | | Warm-up question (10 min.)  Community ecology notes (40 min.)  Ecological succession study guide (35 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Evaluate information to determine types of ecological succession. | | Warm-up response rubric  Informal assessment during discussion by questioning and student summaries | | Individual practice  Whole group | AP Biology textbook  Handouts  SMARTBOARD | N/A |
| **Friday** | EK 4.A.6  LO 4.16 | Predict the effects of a change of matter or energy availability on communities. | | Warm-up question (10 min.)  Vocabulary quiz (15 min.)  Ecosystem ecology notes (15 min.)  Exit slip (5 min.) | | Warm-up question response applying class content. | | Warm-up response rubric  Multiple choice and free response quiz  Informal assessment during discussion by questioning and student summaries | | Individual practice  Whole group | AP Biology textbook  Powerpoint presentation  Worksheets | N/A |

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