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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.6LO 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 rubricInformal assessment during discussion by questioning and student summariesMultiple choice and free response quiz | Individual practiceWhole group | AP Biology textbookHandoutsPowerpoint presentations | N/A |
| **Tuesday** | EK 4.A.6LO 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 textbookHandouts | N/A |
| **Wednesday** | EK 4.A.6LO 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 rubricMultiple choice and free response quizShort film activity responses | Individual practiceWhole group | AP Biology textbookHandoutsHHMI resources | N/A |
| **Thursday** | EK 4.A.6LO 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 rubricInformal assessment during discussion by questioning and student summaries | Individual practiceWhole group | AP Biology textbookHandoutsSMARTBOARD | N/A |
| **Friday** | EK 4.A.6LO 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 rubricMultiple choice and free response quizInformal assessment during discussion by questioning and student summaries | Individual practiceWhole group | AP Biology textbookPowerpoint presentationWorksheets | N/A |

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