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| Teacher: Y. Abrams | Course: AP Biology  | Period(s): 2 | Week of: / Dates: 10/30 – 11/3 |
| 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 (40 min.)Ecological succession study guide (35 min.)Exit slip (5 min.) | Warm-up question response applying class content.Identify examples of the different types of ecological successionRead 55.2 and 55.3 for Tuesday | Warm-up response rubricInformal assessment during discussion by questioning and student summaries | 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. | Warm-up question (10 min.)Reading quiz (15 min.)Ecosystem ecology notes (35 min.)Productivity problems (35 min.)Exit slip (5 min.) | Warm-up question response applying class content.Practice solving productivity problems. | Warm-up response rubricInformal assessment during discussion by questioning and student summariesMultiple choice and free response quiz | Individual practiceWhole group | AP Biology textbookHandoutsSMARTBOARD | 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.)Primary productivity virtual lab (75 min.)Exit slip (5 min.) | Warm-up question response applying class content.Collect virtual data and analyze for calculation of productivity. | Warm-up response rubricVirtual lab results | Individual practice | AP Biology textbookHandoutsCOW | N/A |
| **Thursday** | EK 4.A.6LO 4.16 | Predict the effects of a change of matter or energy availability on communities. | Substitute plans: Ch. 55 reading guide | Complete reading quide. | Reading guide responses | Individual practice | AP Biology textbookHandouts | N/A |
| **Friday** | EK 4.A.6LO 4.16 | Predict the effects of a change of matter or energy availability on communities. | Substitute plans: Ecological relationships study guide | Complete study guide | Study guide responses | Individual practice | AP Biology textbookWorksheets | N/A |

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