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| Teacher: Y. Abrams | Course: AP Biology | Period(s): 2 | Week of: / Dates: 10/16 – 10/20 |
| 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.5  LO 4.12 | Apply mathematical routines to quantities that describe communities composed of populations of organisms that interact in complex ways. | | Warm-up question (10 min.)  Reading quiz (15 min.)  Logistic and exponential growth problems (35 min.)  53.4 and 53.5 notes (25 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Use math skills to solve population growth problems. | | 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.5  LO 4.11 | Justify selection of the kind of data needed to answer scientific questions about the interactions of populations within communities. | | Warm-up question (10 min.)  53.6 notes (25 min.)  Ecological footprint activity (10 min.)  Population graphs (40 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Relate life activities to real world consequences.  Practice analyzing data from various graphs.  Read 54.2 | | Warm-up response rubric  Informal assessment during discussion by questioning and student summaries | | Individual practice  Whole group | AP Biology textbook  Powerpoint presentation  Handouts | N/A |
| **Wednesday** | 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.)  Reading quiz (15 min.)  Work on research project (60 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Research information to be presented as a multi-dimensional project. | | Warm-up response rubric  Multiple choice and free response quiz  Project rubric | | Individual practice | AP Biology textbook  Handouts  COW | N/A |
| **Thursday** | EK 4.A.5  LO 4.11 | Justify selection of the kind of data needed to answer scientific questions about the interactions of populations within communities. | | Warm-up question (10 min.)  Work on research projects (75 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Research information to be presented as a multi-dimensional project | | Warm-up response rubric  Project rubric | | Individual practice | AP Biology textbook  Handouts  COW | N/A |
| **Friday** | EK 4.A.5  LO 4.11 | Justify selection of the kind of data needed to answer scientific questions about the interactions of populations within communities. | | Warm-up question (10 min.)  Vocabulary quiz (15 min.)  Present biome project (60 min.)  Exit slip (5 min.) | | Warm-up question response applying class content.  Present research in various forms of media. | | Warm-up response rubric  Multiple choice and free response quiz  Project rubric | | 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.