

ARC Week at Glance: Biology (Ms. West)

Topic: Stability and Change in Ecosystems – Unit 5

Course: Biology

Grade: 10

Dates: March 24 - 28

Homework Focus: EOC Practice Sets on Progress Learning

| | Learning Target (I am learning about...) | Criteria for Success (I can...) | Activation/ Instruction | Collaboration/ Guided Practice | Independent Learning/ Assessment |
|----------------|---|--|---|--|--|
| | | | (Include at least one/two formatives*in any part of the lesson as needed) | | |
| Monday | I am learning about niches | I can <ul style="list-style-type: none"> • Define niche • Explain the roles of organisms in their ecosystems • Explain impacts of human factors on ecosystem species • Predict impacts when keystone species are impacted by human factors | Math Monday Do Now – Calculations/Data Analysis Practice | Niche Examples Keystone Species Examples | Niche summary sentences TOTD formative |
| Tuesday | I am learning about species interactions in ecosystems. | I can <ul style="list-style-type: none"> • Explain examples of symbiosis: Mutualism, commensalism, parasitism • Explain examples of invasive species, keystone species, endangered species | Test Prep Tuesday Do Now – Claim Evidence Reasoning Practice | Summative Task Part 2 – Species and Species Interactions in Ecosystems | Unit 5 Summative Task Part 2 |

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| Wednesday | I am learning about carrying capacity. | I can <ul style="list-style-type: none"> graph population data distinguish between exponential and logistic growth identify carrying capacity on a graph | WIS WIM Wednesday – summarizing information & writing questions | Population Growth Data Analysis Lab | Lab conclusion writing |
| Thursday | I am learning about ecological succession and range of tolerance | I can <ul style="list-style-type: none"> distinguish between primary and secondary succession Describe the impacts of primary and secondary succession Construct Graphs and Analyze data to determine the impacts of range of tolerance on species | Throwback Thursday Do Now: Multiple Choice Question with Justification Writing | Ecological Succession Reading and Practice Range of Tolerance Graphing Activity | Graphing Conclusions |
| Friday | I am learning about the importance of species in ecosystems | I can <ul style="list-style-type: none"> Conduct a case study of the American Shad to explain the importance of species in ecosystems | FRQ Friday Do Now: Free Response Question Answer Construction & Revision | River Detective STEM Gizmo | River Detective STEM Gizmo Assessment Check |

Literacy Tasks

Minor Assessment

Major Assessment