**ARC Week at Glance**

**Topic: Evolution of Microbes Course: Biology Grade: 10-12 Dates: 8/26-8/30**

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|  | **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 the domains of life | I can describe the similarities and differences in the three domains of life | Domains Blooket | Domains of Life Review | Myshortanswer:  How does the overuse of antibiotics lead to resistant stands of bacteria? What can you do in your life to reduce antibiotic resistance? Why do bacteria become resistant more quickly than plants and animals? |
| **Tuesday** |  |  | Domains of Life and Viruses Test | Domains of Life and Viruses Test | Domains of Life and Viruses Test |
| **Wednesday** | I am learning about the mechanisms of evolution | I can describe how natural selection acts as a mechanism for evolution | Evolution Intro Video  https://www.youtube.com/watch?v=fI7IV3x-dGI&t=17s | Bird Beak Lab | Bird Beak lab Analysis questions |
| **Thursday** | I am learning how genetic drift drives evolution | I can describe how genetic drift changes the phenotypes of a population | Genetic Drift in Humans Reading and questions | Genetic Drift M&M’s lab | How does genetic drift explain the increase of antibiotic resistant bacteria? |
| **Friday** | I am learning about mutations | I can describe how mutations lead to physical differences | Mutations and Genetic changes discussion | Mutations Virtual Lab | How do mutations contribute to antibiotic resistance? |

\*\*Please highlight your literacy tasks, your major grades and your minor grades. I suggest color coding.