**ARC Week at Glance**

**Topic: Climate and Climate Change Course: Environmental Science Grade: 9th Dates: 24 to 28 February**

**SEV 4. Obtain, evaluate, and communicate information to analyze human impact on natural resources.**

SEV 4.a Construct and revise a claim based on evidence of the effects of human activities on natural resources. **Human Activities:**  Agriculture, Forestry, Ranching, Mining, Urbanization, Fishing, Water use, Pollution, Desalination, Waste water treatment. **Natural Resources:** Land, Water, Air, Organisms

SEV 4.b Design, evaluate, and refine solutions to reduce human impact on the environment including, but not limited to, smog, ozone depletion, urbanization, and ocean acidification.

SEV 4.c Construct an argument to evaluate how human population growth affects food demand and supply (GMOs, monocultures, desertification, Green Revolution).

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|  | **Learning Target**  **(I am learning about…)** | **Criteria for Success**  **(I can…)** | **Activation/ Instruction** | **Collaboration/ Guided Practice** | **Independent Learning/ Assessment** |
| **Monday** | Outdoor Chemical Hazards | I can identify different specific indoor and outdoor chemical hazards.  I can explain the difference between bioaccumulation and biomagnification. | Lecture | Guided Notes | ToTD |
| **Tuesday** | Biomagnification | I can explain the difference between bioaccumulation and biomagnification. | Lab | Lab | Lab |
| **Wednesday** | Biomagnification | I can explain the difference between bioaccumulation and biomagnification. | Lab | Lab | Lab |
| **Thursday** | Water Pollution | I can identify different types of water pollution and their impacts on the environment.  I can describe different ways we try to control water pollution. | Lecture | Guided Notes | Worksheet |
| **Friday** | Air Pollution | I can describe different types and sources of air pollution. | Lecture | Guided Notes | Worksheet |