

# Water Cycle

## (5<sup>th</sup> Grade Rotational Version)

### Morning Learning Stations for Students –

**STATION 1:** Explore IQhub & Drive Tractor Simulator (Needs 4 Adults)

- (60 min) IQhub Scavenger Hunt (2 students at a time go drive tractor simulator)

**STATION 2:** Water Cycle Lesson (Needs 4 Adults)

- (40 min) Presentation: Water Cycle
  - o Discuss the water cycle and how it impacts all living things
  - o Discuss how human choices impact the environment
  - o Learn about the weather and the impacts on human activities
- (20 min) Visualize Condensation and Precipitation (Make Clouds and Rain)

### LUNCH BREAK

### Afternoon Learning Stations for Students –

**STATION 3:** Environmental Walking Trail (Needs 4 Adults)

- (20 min) Go walk trail around AgroLiquid and discuss the following
  - o Importance of preserving wetlands and habitats
  - o Types of weathering/ erosion and ways to control
  - o Human Impacts on the environment
  - o Renewable and Non-Renewable Energy
- (25 min) Food Chain/ Food Web Activity
  - o Discuss food chains and food webs
  - o Examine how organisms are connected to each other for survival
  - o Discuss how energy is transfer through ecosystems

**STATION 4:** Soil and Water Filtration Lesson (Needs 4 Adults)

- (10 min) Discuss the importance of Soil and Water
- (15 min) Soil and Water Videos
- (20 min) Water Filtration Foldable

### Michigan Learning Standards for today's IQhub visit –

- Science Standards:
  - 5-LS1-1 Plant Requirements – Air and Water
  - 5-LS2-1 Environmental Matter Cycling
  - 5-ESS2-2 Water Availability and Distribution
  - 5-ESS3-1 Protecting Earth's Resources and Environment
  - 5-PS3-1 Food Energy from the Sun
- Math Standards:
  - 5.MD Measurement and Data
- Career Awareness:
  - Target 3: Engage Students in Career Awareness Activities
    - Identify jobs in a Career Zone; include what is a nontraditional job

**Possible Careers Discussed in today's IQhub visit –**

- Farmer
- Harvester
- Mechanic
- Soil Scientist
- Hydrologist
- Fisheries and Wildlife Scientist
- Composter
- Agronomist
- Environmentalist
- Ecologist
- Contractor
- Landscaper
- Entrepreneur