

Three Sisters

(2nd Grade Rotational Version)

Morning Learning Stations for Students –

STATION 1: Explore IQhub, Kids' Korner & Drive Tractor Simulator (Needs 4 Adults)

½ Class (2 adults)

- (30 min) IQhub Scavenger Hunt

½ Class (2 adults)

- (10 min) Story Time: Read "Dirt: The Scoop on Soil"
- (20 min) Kids' Korner Free Play, while 2 students at a time go drive tractor simulator

STATION 2: Three Sisters Lesson (Needs 4 Adults)

- (20 min) Lesson Activity: Plant Needs Bracelets
 - o Understand the important factors needed to help plants grow
 - o Discuss ways to help improve garden productivity
- (40 min) Presentation: Three Sister
 - o Learn about a Native American legend
 - o Understand how different plants can help sustain each other in a garden
 - o Start seeds for student's garden

LUNCH BREAK

Afternoon Learning Stations for Students –

STATION 3: Environmental Walking Trail (Needs 4 Adults)

- (15 min) Soil Texture Activity: Compare/ contrast different soil types
- (30 min) Go walk trail around AgroLiquid and discuss the following
 - o Importance of wetlands
 - o Habitats and food chains
 - o Types of erosion and ways to control
 - o Human Impacts on the environment

STATION 4: Seed Lesson (Needs 4 Adults)

- (10 min) Types of Seeds (Monocot vs Dicot) and how they grow
- (15 min) Seed Dissection
- (20 min) Growing of a Seed – Poem & Foldable

Michigan Learning Standards for today's IQhub visit –

- Science Standards:
 - 2-LS2-1 Environmental Plant Needs
 - 2-LS2-2 Seed Dispersal and Pollination
 - 2-LS4-1 Habitats and Biodiversity
 - 2-ESS2-1 Erosion Design Solution
 - 2-ESS2-3 Water on Earth
- Math Standards:
 - 2.MD Measurement and Data
- Career Awareness:

- Target 3: Engage Students in Career Awareness Activities
 - Introduce the awareness of nontraditional careers

Possible Careers Discussed in today's IQhub visit –

- Farmer
- Harvester
- Mechanic
- Inventor
- Soil Scientist
- Entomologist
- Bee Keeper
- Agronomist
- Environmentalist
- Contractor
- Geneticist
- DNR Officer
- Entrepreneur