

# Three Sisters

## (3<sup>rd</sup> 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:** Genetics Lesson (Needs 2-3 Adults)

- (10 min) Popcorn game about current genetics knowledge
- (25 min) Flower Power Genetics activity to create new flowers
  - o This is done by flipping a coin to represent the chances for the different traits
  - o Can be done in partners, small groups or the whole group
- (10 min) Draw and present new flower species

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

- Science Standards:
  - 3-LS1-1 Plant and animal Life Cycles
  - 3-LS2-2 Animal Groups
  - 3-LS3-1 Inheritance and Variation of Traits
  - 3-LS4-2 Variation, Survival and Reproduction
  - 3-LS4-3 Habitats and Organism Survival

- Math Standards:
  - 3.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
- Vermiculturist
- Composter
- Agronomist
- Environmentalist
- Contractor
- Geneticist
- Entrepreneur