

Vermicomposting

(3rd 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: Vermicomposting Lesson (Needs 4 Adults)

- (60 min) Presentation: Vermicomposting
 - o Discuss how human choices impact the environment
 - o Discuss ways to reduce waste and increase soil quality
 - o Learn about the importance of worms
 - o Learn ways to compost food scraps with worms

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 4 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