



1st grade

JK Community Farm



Field Trip

Objectives & Rules

The JK Community Farm is deeply grateful to the growing community of generous supporters who have fostered the development of our education programming

Young children are naturally curious and creative thinkers, we hope to help children develop a solid foundation for understanding of the natural world, nutrition, and agriculture.. Please use this time to explore the JK Community Farm and make connections with your child's curriculum and nature. Our education activities were carefully curated to meet Virginia's standards of learning for each grade level and integrated into the JK Community Farm.

For our self guided field trips, rules provide the structure necessary for an engaging and productive class. Please be mindful of social distancing at the JK Community Farm, masks are optional as long as distance is maintained. Please be gentle with our plants as they are growing to feed families in our community in need of our help.



Essential Questions

Discuss these questions with your student throughout the field trip.

Why do we have farms?

What are edible plant parts?

What are the stages of the plant cycle?

How do we get energy from food?

What does it mean for food to be healthy?

ABC's in the Garden

Can you come up with a list of items from the garden beginning with each letter of the alphabet?



A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

T

U

V

W

X

Y

Z

Responsible Behaviors

counting, sets, and fractions



Activity

Our 1st grade students are beginning to understand responsible behaviors.

Before you begin your field trip, discuss safe behaviors at the farm (social distancing, pedestrian safety, and sun safety).

Please remind your student to ask a parent before test tasting anything at the farm.

Questions

- Why should we apply sunscreen?
- What is social distancing?
- Why do we need to be gentle with the plants?
- Where does the food grown at the farm go?

Materials

Sunscreen
Mask
Hand Sanitizer

Concept of time

counting, sets, and fractions



Activity

Let's help our students begin to grasp the concept of time. Determine what time is, how long you will be visiting the farm, and what time you will be departing.

Ask the student what time they think it is, show them the time on an analog clock, and verify the time on our natural sundial (located at the top of the farm near the picnic tables.)

Questions

- If we are getting to the farm at x, and we stay for 1 hour, what time will it be when we leave?
- What time is it? How do we read the clock?
- How are sundials used?
- What time does the sundial show?
- How many minutes are in 1 hour?

Materials

cell phone to show the time

Plant Life Cycle

life processes



Activity

Begin in the greenhouse to help students understand the cyclical nature of a plants life. **Make your way from the greenhouse and around the farm to identify the parts of a plant (seed, root, leaf, flower, fruit)**

When you get to the fruit, ask "what happens now?" work with the student to **explore how the fruit grows back to seed.**

Questions

- Where do seeds come from?
- What does the plant need to grow?
- What happens if the plant does not get water and nutrients?
- Do we need water and nutrients??

Materials

Blank Paper
Colored Pencil
Crayon

Directions and Maps



Activity

Use a compass (or compass app) to identify the directions of the farm. Use the compass on our human sundial if needed.

Ask the student to draw a simple map of the farm and identify the vegetable plots as North, South, East, West

Questions

- What direction are the peppers?
- What direction is the greenhouse?
- What direction are the squash?
- What is N, S, E, W of where you are standing?
- What direction is the sun?

Materials

Compass
Blank Paper
Colored Pencil
Crayon

Jobs of a farmer



Activity

As you explore the JK Community Farm, let's help the students learn the diverse jobs of a farmer. Discuss with the students the tasks a farmer must complete at the farm (such as planting, tilling, planning, construction, mowing, composting)

Ask the student to act out the jobs of the farmers. Find farmer Mike and ask him about his favorite part of his job.

Questions

- Why do we have farms?
- Where does food come from?
- Why is food important?
- What tools are used at a farm?
- Why are farmers important?

Materials

Blank Paper
Colored Pencil
Crayon

Patterns and Estimations



Activity

Observe patterns you see at the JK Community Farm such as in the rows, raised beds, greenhouse, plants, and leaves. **What patterns did you see? Where were they?**

As you make observations, ask the student to make estimations about how many vegetables are on each plant. **Use your paper and a crayon to make a "rubbing" of patterns you observe.**

Questions

- What pattern do you see?
- Do all of the leaves have the same patterns?
- Do any of the patterns look similar?
- Are there more than or less than 10 vegetables on the plant?

Materials

Magnifying Glass (optional)
Blank Paper
Colored Pencil
Crayon

Explore and Discuss

At the JK Community Farm



Nutrition

Food contains nutrients that our bodies need to live and grow. Nutrients allow us to move, think, digest, rebuild, and heal.

We get the most nutrients from our food when it is local, seasonal, colorful, and organic.



Bee Hives

Discuss how bees play an essential role in agriculture - pollinating crops, increasing yields and producing honey.

Over 1/3 of the food we eat relies on pollination by bees.



Food Insecurity

Food Insecurity is when a person or family does not have consistent access to enough food for a healthy life.

The JK Community Farm donates all of the food grown to local food pantries to make sure everyone has access to healthy food



Here are some tips to cultivate a culture of caring in young children

Offering opportunities for outdoor play will promote an essential connection to nature. Through caring relationships with nature, our food and our communities, children become interested in engaging in a healthy and just present and future.



Duration

Try to keep the duration of the project short. Young children's interests change rapidly. Service learning will be most effective if children start and finish the project in a short amount of time.



Listen

Listen to children when they have an idea for making a difference. Ask them questions to guide their thinking about what may or may not be feasible.



Make Connections

Help children make connections between their interests, experiences, and learning by asking, "how can we help?" and "Is there something we can do?"

is everything clear?

Please find Samantha and Farmer Mike at the Farm for any questions.

We'd love to help!

www.jkcommunityfarm.org



Thank you for a lovely field trip

We hope you had a great time and learned a lot! Below is some additional information on the farm!

Volunteer

We welcome volunteers of all ages throughout the season to join us for planting and harvesting projects. Sign up is available at

www.jkcommunityfarm.org/volunteer

Donate

As a nonprofit, we rely on our community to help us grow. This year the JK Community Farm will donate 135,000 lbs of healthy food to the food insecure in our region, but we need your help to expand.

www.jkcommunityfarm.org/donate

Follow

Keep up with the farm and events on social media

[@jkcommunityfarm](https://www.instagram.com/jkcommunityfarm)

We're on instagram, Facebook, and LinkedIn!



JK COMMUNITY FARM