

AGRICULTURE

CUCUMBER ACTIVITY WORKBOOK



KINDERGARTEN CLASS



Cucumber Exploration Day

ASTEAMS HANDS-ON LESSON PLAN



LEARNING OBJECTIVES

- Explore cucumbers using their senses
- Understand that cucumbers grow from seeds
- Practice counting, grouping, and comparing
- Develop fine motor skills through tracing, drawing, and coloring



MATERIALS

- Whole and sliced cucumbers
- Paper plates or napkins
- Plastic knives (child-safe or teacher use)
- Paper towels; Small cups or bags for seeds
- Crayons, pencils, and worksheets



LESSON FLOW

- 1. Warm-Up (5–10 min):** Introduce cucumbers and ask students what they know.
- 2. Classroom Activities (60 min):**
 - Touch and describe texture
 - Cut open and observe seeds
 - Save seeds for planting
 - Seed counting
 - Smell and taste
 - Count and compare sizes
 - Try skin as an eraser
- 3. Worksheet Activities (60 min):**
 - Trace the word “cucumber”
 - Review facts & guide
 - Long/short comparison
 - Color a cucumber
 - Draw a cucumber
 - Count and group
- 4. Discussion (10–15 min):** Discuss origin and growers. Use YouTube videos for the discussion aspect.
- 5. Closing (10 min):** Students share what they learned.

EXTENSION IDEAS



Plant saved seeds and observe growth over time.



Use YouTube videos to reinforce concepts with visual content.

Cucumber Song-Counting 1-10

<https://www.youtube.com/watch?v=ROWH7NtThkY>

Cucumber for kids

<https://www.youtube.com/watch?v=2dgBi5bEPmY>

George plants too many cucumbers

<https://www.youtube.com/watch?v=gE7kjMbd-Rs>



ASSESSMENT

Observe participation, counting, and growth of understanding.





Cucumber Exploration Day!

Touch • Taste • Count • Grow

Class Activity



Teacher Prep

What to Bring:

- Cucumbers (whole + sliced)
 - Ask students to bring in cucumbers
- Paper plates / napkins
- Plastic knives (child-safe)
- Paper towels
- Bag for seeds
- Crayons & paper

👋 1. TOUCH & DESCRIBE

Ask:

- Is the cucumber smooth or bumpy?
- Is it hard or soft?
- What color do you see?

👂 2. SMELL & TASTE

- Let children smell first
- Then taste a small piece

Ask:

- Does it taste sweet, watery, or crunchy?

📊 3. COUNT & COMPARE

- Count how many cucumbers in the class
- Compare big vs small

👉 Student Task:

- “We have ___ cucumbers”
- Point to the biggest one

🔍 4. INSIDE DISCOVERY

Cut open a cucumber

Ask:

- What do you see inside?
- What shape are the seeds?

👉 Student Task:

- Draw the inside

🌱 5. SEED SAVING

- Scoop out seeds
- Rinse and dry them

Explain:

“These seeds can grow NEW cucumbers!”

👉 Student Tasks:

Take out seeds, wash, dry and stick seeds on paper towels to dry completely

💧 6. WATER TEST

Explain:

“Cucumbers are mostly water!”

👉 Kids

- Everyone gets a piece of paper towel and a piece of cucumber
- Press cucumber in paper towel
- Examine and observe moisture

🖍️ 7. CUCUMBER SKIN ERASER

- Let kids try erasing pencil marks with cucumber skin
- Everyone draw what their neighbors face looked like when they tasted the cucumbers

Ask:

- Did the cucumber eraser work?

👉 Student Task:

- Share with their classmate if it worked

📊 8. SEED COUNTING

- Count seeds in 1 slice

👉 Compare:

Who has more? Less?

🎨 9. CUCUMBER PRINT ART

- Dip cucumber slices in paint
- Stamp on paper

👉 Teaches:

Patterns + shapes



CUCUMBER ADVENTURES

Fun Facts



95% Water: They have lots of water inside!



Cool Centers: 20° cooler than the air!



They are fruits because they have seeds!

Draw your cucumber plant



Growing Guide



Planting: 1 inch deep in soil.



Sun: They love the bright sun!

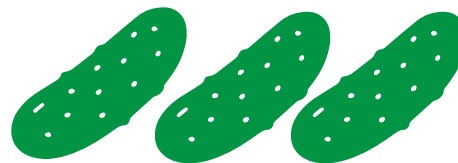
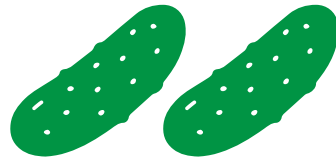


Watering: Keep the soil moist.

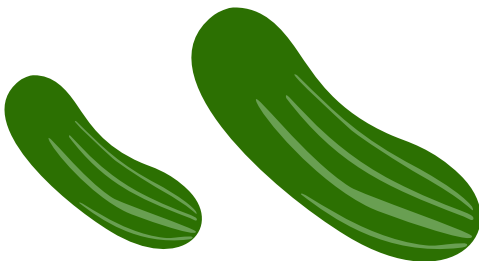


Uses: Salad, Pickles, or a Snack!

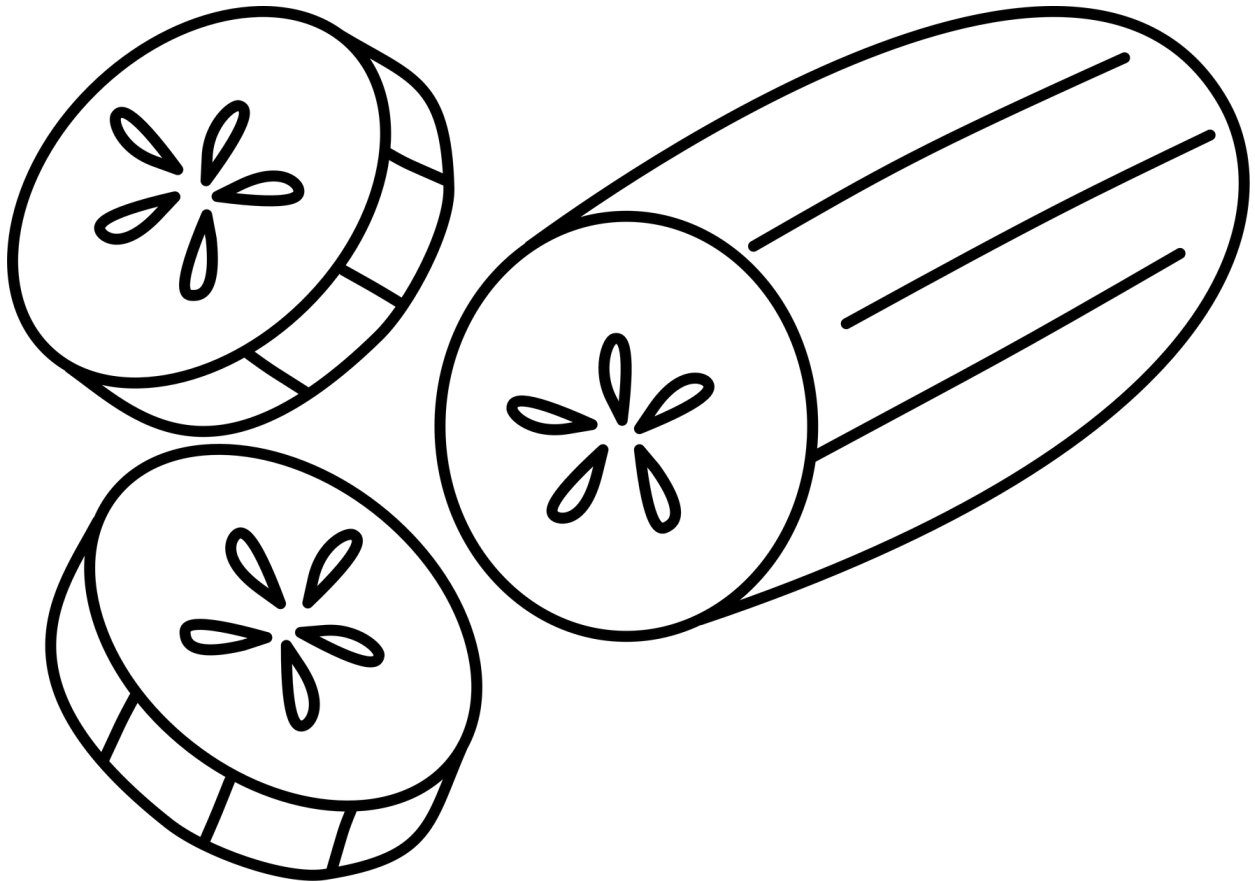
Count the Cucumbers?



Circle the longer Cucumber



Colour and Trace



cucumber



Colour the Cucumber Plant

