

CLOVERBUDDIES

**A 4-H EXPLORATION ACTIVITY SERIES FOR
CLOVERBUD MEMBERS**



APRIL 2021

PROJECT EXPLORATION:

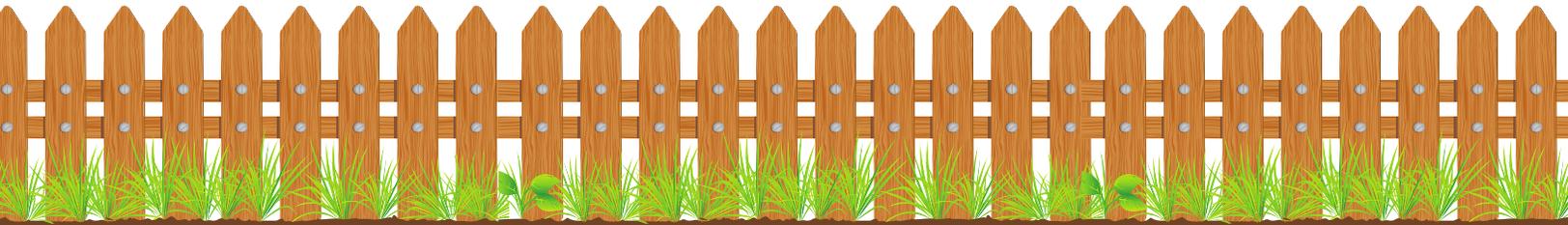
PLANT & SOIL SCIENCES



DREAM GARDEN

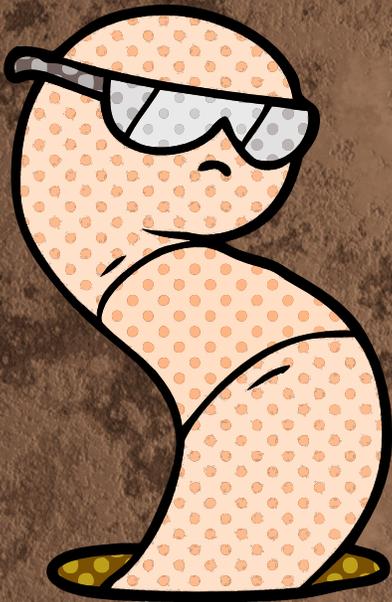
Most gardeners plant their seeds in rows or plots like the grid shown below. This is so they will remember where each plant is and what is growing there. Design your very own garden in the space below. What would you plant-vegetables, flowers, trees?

Draw or describe what you would plant where.



UNDERGROUND CREATURES

Earthworms provide valuable fertilizer to soil that help all sorts of plants grow and be healthy. Worms help the soil, so if you think worms are gross, think again! Check out the fun facts about earthworms below. What do you already know about earthworms?

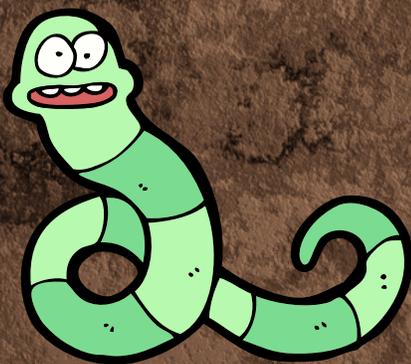


Earthworms move away from light because it dries out their skin.



Each segment of an earthworm has strong muscles that help it inch through soil.

Earthworms do not have teeth.



Too much water will suffocate a worm. This is why you see them above ground after a hard rain.



Earthworms are eaten by birds, moles, turtles, snakes and fish.



Earthworms can eat their way through soil.

GROW YOUR THINKING

Part of the 4-H Creed is pledging your “head to greater thinking.” A great way to do this is to regularly do little brain exercises. Let’s try it below with a brainstorm! How many plants can you think of and write down in 2 minutes? Feel free to challenge a friend or family member to see who can come up with more! And remember, plants can include things like flowers, trees, bushes, fruits, vegetables and weeds, to name a few.



A large rectangular area with a green border, containing horizontal teal lines for writing. A vertical red line is positioned on the left side of the writing area, creating a margin.

RAINBOW CABBAGE

When you drink water because your body tells you it is thirsty! In this experiment you can see exactly how plants consume water and distribute it throughout its leaves.

MATERIALS

Cabbage leaves
Glasses or jars

Food coloring
Spoons

Paper towels

INSTRUCTIONS

1. Begin by filling a glass jar 1/3 of the way with cold water, using one glass for each color of cabbage that you wish to make.
2. Add several drops of food coloring to each glass and stir until combined.
3. Then, have kids place individual leaves of cabbage into the glasses.
4. Observe over the next few days and see how your leaves change colors! Usually it will take a few days for your cabbage leaves to become fully vibrant, so make sure you're patient!

Source: <https://www.growingajeweledrose.com/2019/02/rainbow-cabbage-experiment.html>



POLLINATION STATION

Have you ever wondered how butterflies, bees or other insects pollinate plants?! With this activity you can see how pollinators carry the pollen from flower to flower!

MATERIALS

- Colorful construction paper
- Juice Boxes with straws
- 1/4 cup of baking powder
- Paper plate
- Pipe Cleaner

SET UP

1. Cut the pipe cleaners in half, and bend it to look like little bug feet or wings. Cut your construction paper into flowers with holes in the middle (for your juice box straws to come through)
2. Then put your flowers on top of your juice boxes. These are your flowers that are not yet pollinated!
3. Put the baking powder on your paper plate - this is the main flower that has it's pollen ready to go.

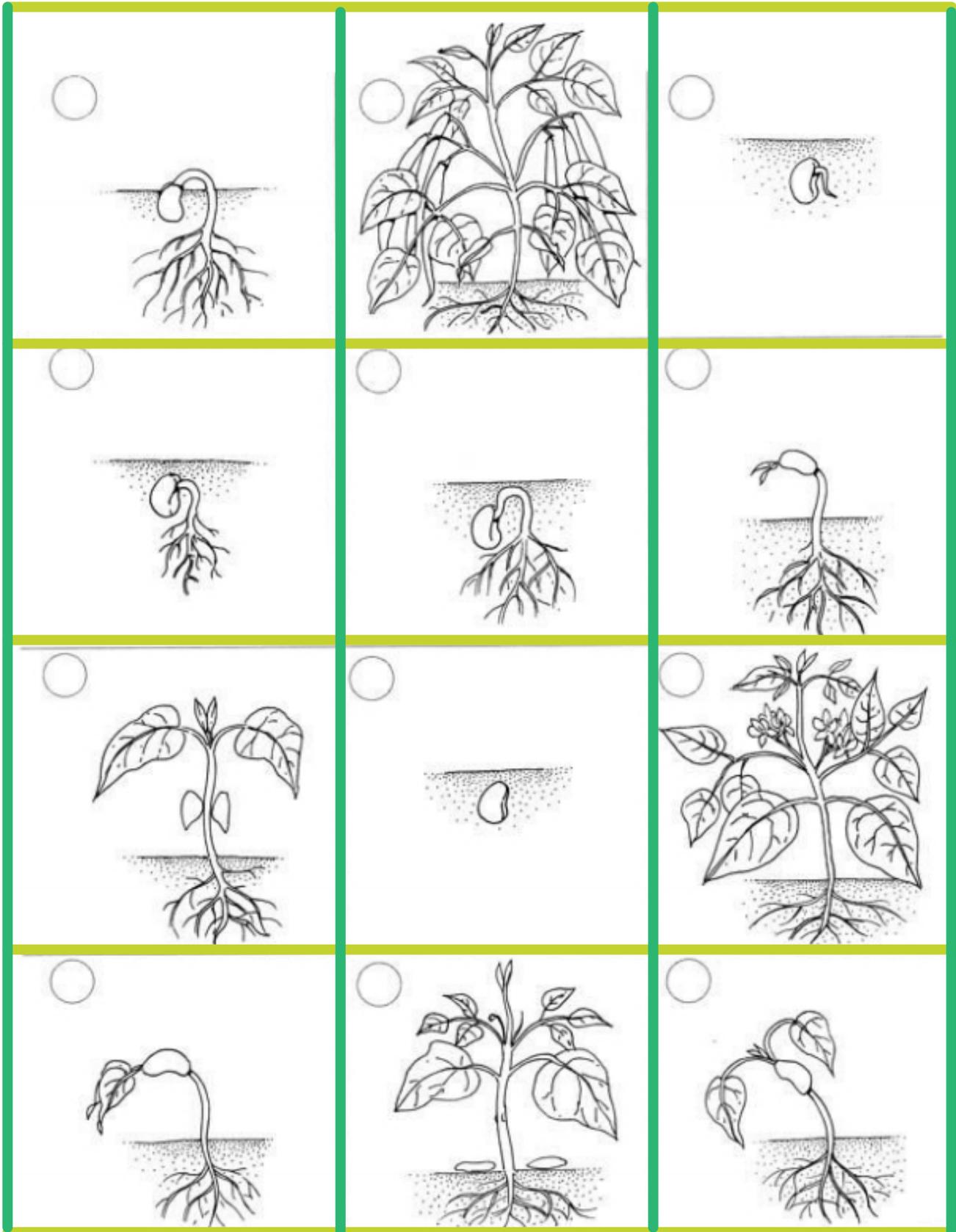


POLLINATION SIMULATION

1. Have your pipe cleaner insect start by landing on the paper plate and snacking on some pollen!
2. Then have your pipe cleaner insect fly to then land on one of your flowers to drink the nectar from the straws! Tap your insect a little bit to mimic it adjusting while drinking the nectar (But don't get any in the straw).
3. Now repeat steps 1-2 until all of your flowers have been pollinated! You can even drink your nectar (juice boxes to taste the sweet work of your pollinators!)

BEAN LIFE CYCLE

We all grow from little babies to full grown adults, plants do the same thing!
Cut out the squares below and arrange them in the correct order for the plant's life cycle!



FEBRUARY ANSWER KEYS

Answers to all Cloverbuddies activities will appear on the back cover of the following month's issue. For answers to this issue, watch for March's installment of Cloverbuddies!

PERFORMANCE SEARCH



INSTRUMENTALS



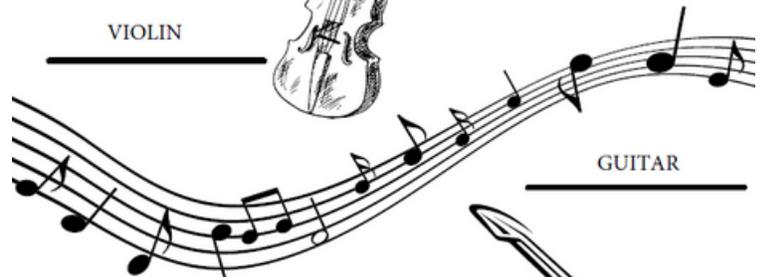
DRUM



KEY BOARD

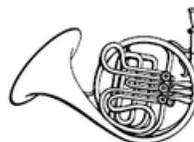


VIOLIN



GUITAR

FRENCH HORN



FLUTE



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