

June 13, 2020

## Plant in a Bag



Hello everyone! My name is Lydia Reeder, and I am a student at Columbus State University, right here in Columbus, Georgia!! I am studying to be a Special Education teacher, which is a teacher that works with students that have disabilities. I am so excited to be able to start teaching and so excited that I can share my excitement of learning with you guys today! Can you guys guess what we are learning about today? Yep, if you said plants, then you are correct! We are going to be planting a seed in a bag! Yes, that is right, I said a bag! I hope you guys enjoy this as much as I did! Let's get started!!



The first thing we need to do before we get started is to make sure we have all the items for our little experiment! What do you think we will need? Well that is a good question, the first item we need is two ziploc bags to put the seed into for our experiment.



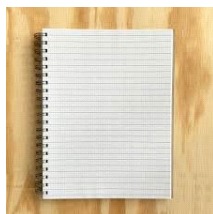
This brings us to our next item on our list, which is..... vegetable seeds!!! Now who all likes vegetables? I know I do and they help you grow big and strong!! You can choose between two different vegetable seeds you would like to see grow; carrots, beets, onions, and garlic. What are some other vegetables you can think of?



The next item we will need is a paper towel that is wet. Can anyone guess why we need a paper towel that is wet? Well, we need a wet paper towel to help the seeds grow while they are in the bag! This is very important. Why do you think this is so important? It is important because plants need water in order for them to grow, just like we need water!



The last three items on our list is a marker to write on the bag so we know what vegetable seed is planted. The next item we need is tape, so we can tape the bags to the window. Why do you think we need the bags taped to the window? That is right! The seeds need sunlight to grow big and tall! The last item we need is a journal! This way you can write down your observations throughout the experiment



Now that we have everything we need, we can get started on our little experiment!!

- The first step is wetting our paper towel that we have for each of our bags.
- Then the next step is putting the first vegetable seeds on the first wet paper towel. Then put your second vegetable seeds on your second wet paper towel. Do you notice anything different about your two different vegetable seeds? Are they shaped differently? Are they the same size? What color are the seeds? Is it interesting that they are different? Write down your observations in your journal!
- The third step is wrapping the wet paper towel around the seeds! Why do you think we need to do this? We need to wrap the wet paper towel around the seeds so all the seeds can get water they need to grow!
- What step do you think we need to do next? You guessed it, putting it in the bag! We are almost done with making our plant in the bag!
- Up next is closing the bag up by letting out all the air. Then write down what vegetable seed it is. What vegetable seed did you pick?
- Our last step is to tape it to the window!!

Now we are ready to observe!!!

Check your seeds everyday and write down what you see and if you see any differences between the different plants! Make sure your paper towel is wet! Why do you have to make sure your paper towel is wet? Yes, exactly! Your plant needs water to grow! What are other things your plant needs in order for it to grow? Yes! That is exactly right. Your plant needs:



sunlight

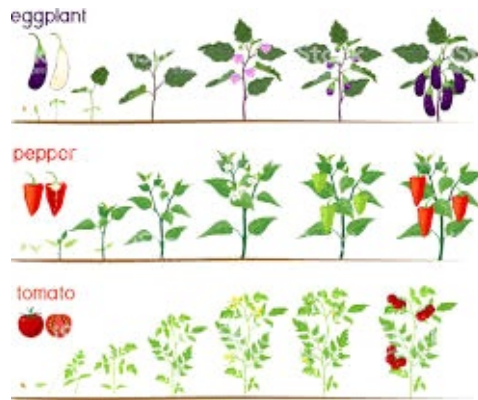


Water

carbon dioxide.

What is Carbon Dioxide? I am glad you asked! Carbon dioxide is a gas that helps plants breathe. Just like oxygen helps us breathe, carbon dioxide helps plants breathe!

As you are watching your seeds grow you will see the life cycle of your plant! The first step of your plant's life cycle is a seed! As your seed becomes to sprout and the roots begin to form that is the second stage of your plant's life cycle. What do you think is the third step of your plant's life cycle? Yes, the third step is when your plants have leaves and grow fruit on it!! Isn't it amazing?



As your plants start to sprout and grow leaves on them, it is time to move them to the ground or a pot!! This way your plant can grow bigger and stronger outside! You can see how it started in a small bag and then may not be able to fit in a small bag anymore!



### Standards:

#### Kindergarten

**SKL2. b. Construct an argument supported by evidence for how plants can be grouped according to their features**

- **I can provide evidence of how plants can be grouped together according to their characteristics.**

#### First Grade:

**S1L1. Obtain, evaluate, and communicate information about the basic needs of plants and animals**

- **I can collect information about the basic needs of plants and animals.**
- **I can assess the information about the basic needs of plants and animals.**
- **I can convey information about the basic needs of plants and animals.**

**Second Grade:**

**S2L1. Obtain, evaluate, and communicate information about the life cycles of different living organisms**

- **I can collect information about the life cycle**
- **I can assess information about the life cycle**
- **I can convey information about the life cycle**