



Science Virtual Learning

2nd Grade

Growth of Plants

April 15, 2020



## 2nd grade Science

### Lesson: April 15th

### **Learning Target:**

1. Students will identify cause and effect by working with one variable at a time.
2. Students will carry out the scientific process.
3. Students will identify the basic needs of a plant.

# Background: Review this vocabulary before starting today's lesson!

- **Living:** Things that eat, grow, respond and reproduce, or once did those things.
- **Non-living:** things that do not eat, grow, respond or reproduce, and never did.
- **Needs:** Things necessary for survival.
- **Survive:** To stay alive!



Click in the box below to watch a video about why plants need water!

Click Here!

[Plants need water](#)



Use your  
knowledge  
about what all  
plants need to  
**survive!**

# Practice #1

## Do plants need water?

Who do you think is correct?

Isabella or Faye?

Do you think plants need water? Why?



## Do All Plants Need Water?

Two friends are talking about the needs of plants. Which friend has the best idea about plants and water?



Isabella: I think all plants need water.

Faye: I think most plants need water. There are some plants that do not need water.

# Experiment #1: Do seeds need water?

Will the seeds with no water be able to grow?

These seeds are **wet!** They were given water!

These seeds are **dry!** They have no water!



Make a **hypothesis:**

Which plant do you think will grow and change?

# Experiment #2: Start with two healthy plants

Will the plant with no water be able to live?

This plant  
is **not given**  
water!



This plant  
is **given**  
water!

Make a  
**hypothesis:**

Which plant do  
you think will  
survive?



# Practice on your own:

These are the plants after a week!

Compare the two plants!

What things do you notice?

Why is one plant falling over?





# Practice on your own:

## Observe the plant with water!



### Performance Task

#### Draw a Picture of a Flowering Plant

You will draw a before-and-after picture of  
a flowering plant that has not been watered.

- 1 Draw and label a flowering plant that has  
been watered.

#### Materials

☐ crayons or  
colored  
pencils

What will a plant look  
like if all of its needs  
have been met?

Draw the plant that  
has been watered!



# Practice on your own:

## Observe the plant without water!

What happened to the plant with no water?

What do you notice?

Draw the plant that has not been watered!



### Performance Task

#### Draw a Picture of a Flowering Plant

You will draw a before-and-after picture of a flowering plant that has not been watered.

- 2 Draw and label a flowering plant that has not been watered.

#### Materials

- ☐ crayons or colored pencils

Engage:  
Practice on  
your own!

Use what you  
learned to fill  
this out in your  
packet!

**I can plan and show whether or not plants need sunlight and water to grow.**

1. On a hot, summer day in June, you notice that the garden plants in the park are turning brown and drying out. What do you think is happening to the plants?

---

---

---

2. How could you plan some days during your summer to help out in the garden and get the plants what they need?

---

---

# Self Check:

Go tell someone in your home your answers.



1. Was this lesson \_\_\_\_\_ ?

☐ easy

☐ just right

☐ hard

1. Look around where you live. Do all of the plants appear to have enough water?  
How can you tell?

# Practice #1

Do plants need water?  
Answer Page

If you guessed  
Isabella, you are  
correct!

All plants do need  
water to survive!



## **Do All Plants Need Water?**

Two friends are talking about the needs of plants. Which friend has the best idea about plants and water?



*Isabella: I think all plants need water.*

*Faye: I think most plants need water. There are some plants that do not need water.*