# Seed Germination by Room 22 Ms. Aguirre Third Grade

Frank Spaziano - Elementary School

This project is connected to the GLOBE Phenology Protocol and Earth Systems in a Bottle



#### The seed

The Life of a plant begins from a seed. The growing seed needs:

water, good temperature, and sunlight.

#### Day one

We cover the seed with a tissue paper and add drops of water, enough to keep the seed wet. The seed received water from the tissue paper.

#### Day three

The out outer cover called a seed coat.
The seed absorb water and the **proteins** get activated. **Embryo** starts getting the **nutrition**Needed to survive.

## Day 4

A tiny root come out off the seed.

We transplanted the seed into the soil.

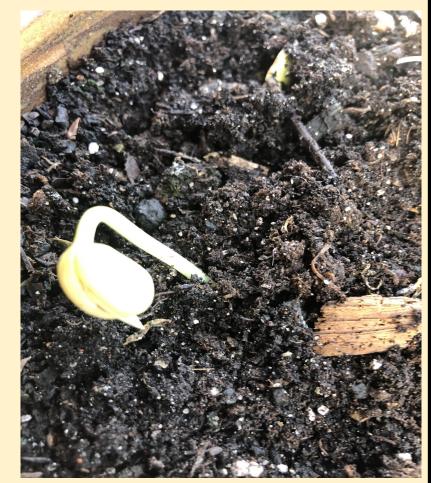
The **embryo** starts growing with more Nourishments from the soil.

Day 6

The growing plant burst open through The seed coat in search of sunlight.

The seed starts its own process called **Photosynthesis**.

The roots starts growing downwards To anchor the seed.





# Day 8

#### **Photosynthesis**

Growing plant burst open!

The seed cover falls off.

The **shoot** starts growing upwards towards the light.

Soon we see a baby plant growing!



## Thank you to:

Camila Pineda, Valery Secaida, Michael Blanco, Vidalia Hernandez, Oliver Rosales, Daniela Lopez, Bayron Lantigua, Keilyn Natareno

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Third grade - Bilingual

https://youtu.be/TDtr3jmMEp4

### **Vocabulary**

**Seed / semilla** seed is a reproductive structure that has a baby plant inside.

**Shoot/ tallo** shoot is a young branch, sprout.

**Embryo/ embrion** an unborn offspring in the process of development.

**Seed coat/** cascara the outer covering of the seed.

Photosynthesis/ fotocentesis The process by which green plants use sunlight to grow.

**Moisture/ humedo** water

Enzimes / nutrientes proteins

Germination / germinacion Is the process by which an organism grows from a