

## ***Kindergarten & First Grade Planting Lesson***

### **Seeds**

What are some examples of seeds you know?

- Pumpkin, strawberry, avocado, pea...

Where do seeds come from?

- Plants that are mature enough to produce seeds

How do they travel?

- Air, people, animals, etc

Can someone explain the difference between a seed and a seedling?

### **How seeds are planted and grow**

Are plants alive?

What do they need to grow?

- Water, air, nutrients, light
- Some seeds need specific steps to happen or things in their environment to be able to grow; some seeds can be planted for growing when they're fresh, like seeds from an orange or the huge seed in an avocado. Other seeds need to dry out completely before they can start growing. Tomato, pumpkin, pea and sunflower are examples of this type of seed. Some seeds even need to soak in water before being able to grow!

Can anyone provide an example of other living things in our environment that help plants grow?

- Bees and other insects
- Worms
- Helpful humans!

What changes about a plant's structure as it grows?

- Roots, stems, leaves, buds, flowers, fruit/vegetable, and seeds

Does anyone know what this process of growing is called?

- A life cycle (everything alive has one!)

What happens if we don't give our plants enough of what they need (water, air, etc) to live healthily?

### **First Grade Addition – Brassica**

Soon, your class will be planting seeds indoors!

Does anyone know what kind of seeds you will be planting?

- Brassica

How do we spell brassica?

What kinds of vegetables are in the brassica family?

- Kale, broccoli, cauliflower, turnip, bok choy, mustard, cabbage, collards

In your class you will be growing a special kind of seed called brassica rapa, which can grow inside your classroom in one month!

Your brassica has special growing conditions that are important for its health.

- Moist dirt that is well fertilized
- Continuous light source, but it doesn't need to be natural light from outside

Part of your job when growing your brassica will be to keep it healthy. Does anyone have an example to share about how to keep your plant healthy?

While your plant grows you will have a chance to write down what you see. These are called observations. What type of observations do you think you will have when you're watching your brassica grow?