# KINDERGARTEN
## Farm to School Lesson Plan

**Topic:** Healthy Soil—Growing Seeds (suggested month: **October**)

**Monthly Essential Question:** What do seeds need to sprout?

**Content Areas Addressed:** Agriculture, Science

**Standards Addressed:**

- With prompting and support, ask and answer questions about key details in a text. (CCSS.ELA-LITERACY.RL.K.1)
- With prompting and support, retell familiar stories, including key details. (CCSS.ELA-LITERACY.RL.K.2)
- With prompting and support, identify characters, settings, and major events in a story. (CCSS.ELA-LITERACY.RL.K.3)

**Key Terms:** Water Air Sunlight Soil

**Materials Needed:** Healthy Soil PowerPoint
Growing Seeds—coloring page
Crayons/colored pencils/markers
Sampling food and supplies

**Introduction: (5 min)** *Introduce the essential question—What do seeds need to sprout? Ask students to share their initial thoughts with the class and record answers. “Today we are going to be discussing four things seeds need to sprout.”

**Development: (20 min)** “Let’s watch a video about what seeds need to sprout.” Watch “Sid the Seed” video. Have a few students share their favorite part of the video and why with the class. Use slides to go through the things seeds need sprout—air, water, soil and sunlight. “What do you think this tomato seed needs to be able to sprout?” Ask a few students to give answers. “There are four important things that seeds need to sprout. Seeds need to be kept at a certain temperature to sprout. Surrounding a seed in soil helps keep seed the correct temperature, and sunlight helps keep the soil warm. Seeds also need to be able to breath. They use the air between soil particles to breath until they sprout. The last thing seeds need to sprout is water. Water causes the seed to swell and soften which makes it possible for the plant to break through. Pass out the “Growing Seeds” coloring page and walk through activities.

**Sampling & Closure: (5 min)** Conduct local fruit or veggie tasting. Instruct each student to take a ‘polite bite’ (eat at least one bite and only say polite things).

Adapted from: www.educationout

Name _____ Needs of seeds and plants

# Growing Seeds

Seeds need **water** and **air** to sprout.
The plant needs **soil, water,** and **sunlight** to grow big and strong.

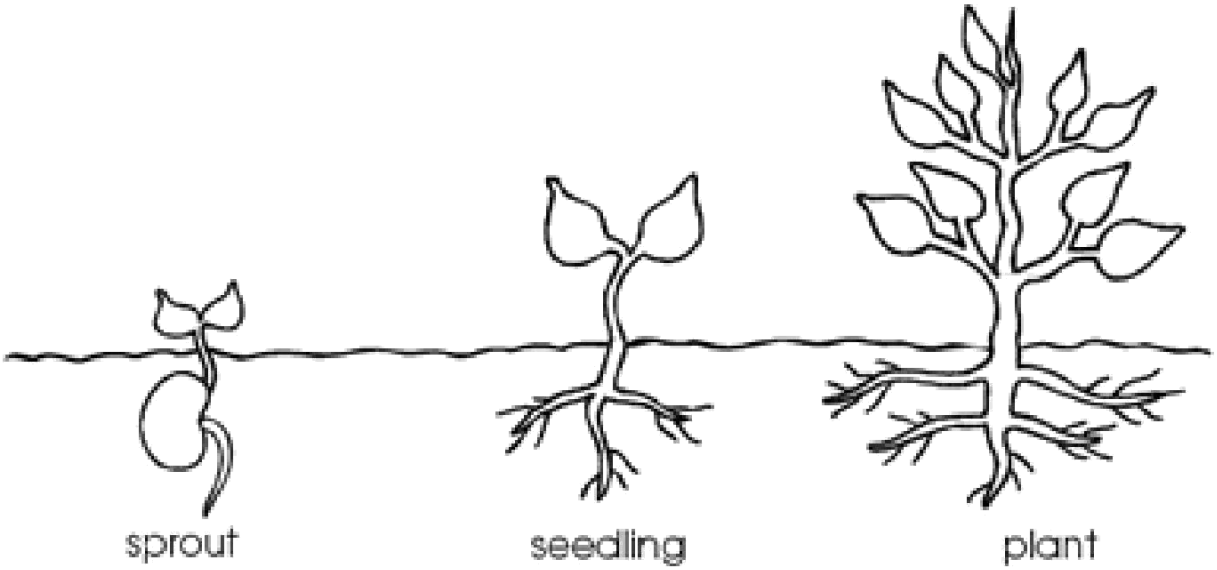
Make a list.

**What do seeds and plants need?**

☑ _____ ☑ _____

☑ _____ ☑ _____

Draw a yellow sun. Draw blue water coming from a hose or watering can. Color the soil brown. Write the word **air.**

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