



September 10, 2015 | by D'Vonne White

# Lesson Plan: From Seeds to Plants

by D'Vonne White

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Grade	<b>Preschool</b>
Subject	<b>Science</b> <ul style="list-style-type: none"><li>◦ Plants, Animals &amp; the Earth</li><li>◦ Life Science</li></ul>

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## Materials and Preparation

- How Do Potatoes Grow worksheet
- Plant Survival worksheet
- Snack sized sandwich bags (fill with soil, 1 per student)
- Half pint sized milk cartons (empty, 1 per student)
- Pencils
- Newspaper
- Lima bean seeds (1 per student)
- 1 Ounce cups filled with water (1 per student)
- [Lima Bean Time Lapse](#) video
- Projector
- Live plant

## Key Terms

## Learning Objectives

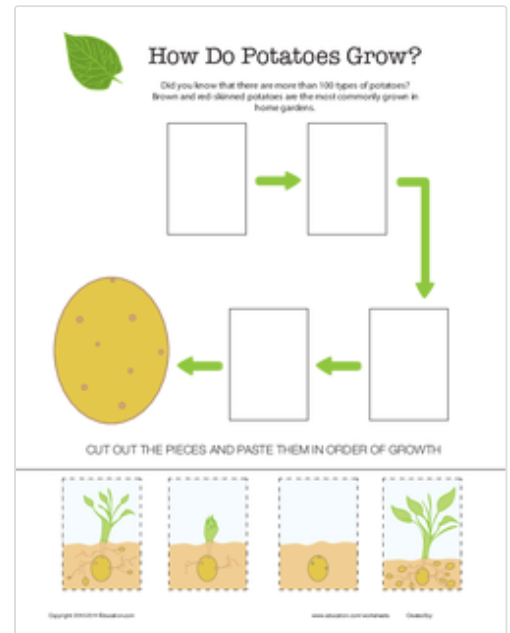
Students will be able to identify the process of growth and development from a seed to a plant.

## Introduction (10 minutes)

- Ask the students to come together as a group.
- Ask students to identify where plants come from and what plants need to grow.
- In one hand, show students a live plant, and in the other hand, show students a few seeds.
- Tell students that today they will be learning how seeds grow and develop into plants with the help of soil, water, sunshine, and carbon dioxide.

## Explicit Instruction/Teacher Modeling (10 minutes)

- Inform students that all plants start off as a seed and that all seeds have life in them, and they need energy and food to form a plant.
- Inform the students that a seed will not grow if they hold it on their heads or place it on the table.
- Tell your students that the main items needed to trigger a seed to grow are soil, water, sunshine, and carbon dioxide.
- Watch the [Lima Bean Time Lapse](#) video.
- Explain to your students that it took the video creator 6 days to make the video.
- Inform your students that today they will start their own class projects, and in about 6 days they should have their own plants.



## Guided Practice/Interactive Modeling (10 minutes)

- Provide each student with a sheet of newspaper to line their desks.
- Give each student a Lima bean seed, a snack sized sandwich bag containing soil, a clean and dry half pint milk carton, and a 1 ounce cup of water.
- From the front of the classroom, demonstrate how to pour the soil from the bag into the half pint milk carton.
- Have students dig a well in the soil to place the Lima bean seed there.
- Have the students cover the soil over and then water the seed with an ounce of water.

- Instruct the students to place their potted seeds in the window sill where they can get direct sunlight.
- Inform the students that each morning they will water their seeds until they see growth.
- Label the students' seeds so they can take them home at the end of the class project.

## Independent Working Time (10 minutes)

- Give each student the How Do Potatoes Grow worksheet and Plant Survival worksheet.
- Read the instructions for both worksheets.
- Provide the students with scissors, glue, and pencils.

## Differentiation

- **Enrichment:** Give the students blank pieces of paper and instruct them to depict the process of growing a seed to a plant by drawing it.
- **Support:** Give the students partners to assist them with planting their seeds.

## Assessment (10 minutes)

- Grade the independent worksheets.
- Give feedback and allow for reinforcement if students did not master the concept.

## Review and Closing (10 minutes)

- Ask the students where plants come from, and have your students describe the process of seed formation.
- Take responses by raised hands.

# Related Learning Resources

### worksheet How Plants Grow

*wondering how to explain photosynthesis to a kindergartener ? Here is a worksheet that explains how plants grow through a simple picture.*

### workbook Learn Beginning Sounds

*These worksheets teach children about the letter sounds that begin words.*

PHOTOSYNTHESIS

Lesson Description

workbook  
Tracing Practice for Preschool

