

LESSON PLAN

#1 WHAT'S IN A SEED? - Prep to Grade 2 *Session to be held outdoors, weather permitting.*

Activities



Start by asking students to look around and find any seeds on plants.

- identify that seeds grow after flowers.

Brainstorm what a seed needs to grow:

- water, soil, sun, heat

Demonstrate how to identify the study plant and how to collect seed.

- Break into partners and gather seeds in buckets
- Thresh seed to separate husks
- Bring all the seeds together to show students what they have harvested

Objective



The aim of this session is to demonstrate the potential in seeds and understand the way plants grow.

Learning Intentions



At the end of this session students will be able to:

- identify the plant and seed they studied during the session
- explain what a seed needs to grow
- what it will turn into when it is grown, and that it will itself make new seeds for new plants

Reflection



Discussion:

Compare seed with size of mature plant.

How will it grow?

What does a seed need to grow?

LESSON PLAN

#1 WHAT'S IN A SEED? - Grade 3 - 4

*Session to be held outdoors,
weather permitting.*

Activities

Start by asking students to look around and find any seeds on plants.

- identify that seeds grow after flowers.

Brainstorm what a seed needs to grow: water, soil, sun, heat

Demonstrate how to identify the study plant: plant properties

Demonstrate how to collect seed:

- Break into partners and gather seeds in buckets
- Thresh seed to separate husks
- Bring all the seeds together to show students what they have harvested

Objective

The aim of this session is to demonstrate the potential in seeds and understand the way plants grow. To understand the plant life cycle.

Learning Intentions

At the end of this session students will be able to:

- identify the plant and its properties
- identify the seed they studied during the session
- explain what a seed needs to grow
- what it will turn into when it is grown, and that it will itself make new seeds for new plants.
- explain plant life cycle stages

Reflection

Discussion: Compare seed with size of mature plant. What does a seed need to grow?

Draw plant with identifying features eg copy leaves, shape of tree.

LESSON PLAN

#1 WHAT'S IN A SEED? - Grade 5 - 6

Session to be held outdoors, weather permitting.

Activities

Start by asking students to look around and find any seeds on plants.

- identify that seeds grow after flowers.

Brainstorm what a seed needs to grow: water, soil, sun, heat.

Identify plants they can see at different stages of plant life cycle eg seasons, stage of growth.

Demonstrate how to identify the study plant: plant properties.

Demonstrate how to collect seed:

- Break into partners and gather seeds in buckets
- Thresh seed to separate husks
- Bring all the seeds together to show students what they have harvested

Objective

The aim of this session is to demonstrate the potential in seeds and understand the way plants grow. To understand the plant life cycle and its importance for the environment.

Learning Intentions

At the end of this session students will be able to:

- identify the plant and its properties
- explain what a seed needs to grow
- what it will turn into when it is grown, and that it will itself make new seeds for new plants.
- explain plant life cycle stages for the study plant
- understand why it is important to care for plant life cycle stages to ensure regeneration.

Reflection

Discussion: What stages will seed go through to grow to mature plant?

Draw plant with identifying features eg copy leaves, shape of tree.

LESSON PLAN

#2 WHAT'S IN A SEED? - Prep to Grade 2 *Wet weather or seasonal (no seeds to harvest)*

Activities

To be held outdoors under cover or in gymnasium on a tarp if wet weather.

Brainstorm what a seed needs to grow:

- water, soil, sun, heat

Demonstrate how to identify the study plant (branches, seed pods, leaves)

Demonstrate how to plant seed.

- Break into partners
- Each pair has tray, soil
- Prepare seeds
- Plant the seeds in soil
- Water in with watering cans.

Objective

The aim of this session is to demonstrate the potential in seeds and understand the way plants grow.

Learning Intentions

At the end of this session students will be able to:

- identify the plant and seed they studied during the session
- explain what a seed needs to grow
- what it will turn into when it is grown, and that it will itself make new seeds for new plants

Reflection

Discussion:

Compare seed with size of mature plant.

How will it grow?

What does a seed need to grow?

LESSON PLAN

#2 WHAT'S IN A SEED? - Grade 3 - 4

*Wet weather or seasonal
(no seeds to harvest)*

Activities



To be held outdoors under cover or in gymnasium on a tarp if wet weather.

Brainstorm what a seed needs to grow:

- water, soil, sun, heat

Demonstrate how to identify the study plant (branches, seed pods, leaves)

Demonstrate how to plant seed.

- Break into partners
- Each pair has tray, soil
- Prepare seeds
- Plant the seeds in soil
- Water in with watering cans.

Objective



The aim of this session is to demonstrate the potential in seeds and understand the way plants grow. To understand the plant life cycle.

Learning Intentions



At the end of this session students will be able to:

- identify the plant and its properties
- identify the seed they studied during the session
- explain what a seed needs to grow
- what it will turn into when it is grown, and that it will itself make new seeds for new plants.
- explain plant life cycle stages

Reflection



Discussion: Compare seed with size of mature plant. What does a seed need to grow?

Draw plant with identifying features eg copy leaves, shape of tree.

LESSON PLAN

#2 WHAT'S IN A SEED? - Grade 5 - 6

*Wet weather or seasonal
(no seeds to harvest)*

Activities



To be held outdoors under cover or in gymnasium on a tarp if wet weather.

Brainstorm what a seed needs to grow:

- water, soil, sun, heat

Demonstrate how to identify the study plant (branches, seed pods, leaves)

Demonstrate how to plant seed.

- Break into partners
- Each pair has tray, soil
- Prepare seeds
- Plant the seeds in soil
- Water in with watering cans.

Follow up instructions to care for seeds as they grow.

Objective



The aim of this session is to demonstrate the potential in seeds and understand the way plants grow. To understand the plant life cycle and its importance for the environment.

Learning Intentions



At the end of this session students will be able to:

- identify the plant and its properties
- explain what a seed needs to grow
- what it will turn into when it is grown, and that it will itself make new seeds for new plants.
- explain plant life cycle stages for the study plant
- understand why it is important to care for plant life cycle stages to ensure regeneration.

Reflection



Discussion: What stages will seed go through to grow to mature plant?

Draw plant with identifying features eg copy leaves, shape of tree.