Olivera

PLANT THE SEED™

LESSON PLAN

SOIL SCIENCE - Prep to Grade 2

Session to be held outdoors, weather permitting.

Activities

Start by asking why soil is important?

- students brainstorm how soil benefits plants, animals and people

Demonstrate living organisms in soil and organic matter breaking down:

- students dig with trowels in the dirt, looking for worms, bugs, decaying leaves

Compare compost in bucket (rich organic matter) to school dirt.

Collect lunchbox scraps and dry leaves to add to bucket of compost to improve soil at school

Objective

The aim of this session is to demonstrate the living systems that create soil, provide nutrients to plants ands and are key to the health of our environment.

Learning Intentions

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

- understand that soil is important for plants and our food
- identify an organism living in soil
- explain why the composting our food scraps is good for the environment (reduce waste and improve soil health)

Reflection

Draw a picture or share with the group something you saw in the soil

Follow up - keep adding to the compost until it turns into soil.

Olivera

PLANT THE SEED™

LESSON PLAN

SOIL SCIENCE - Grade 3 & 4

Session to be held outdoors, weather permitting.

Activities

Start by asking why soil is important?

- students brainstorm how soil benefits plants, animals and people

Demonstrate nutrient cycle/decay as nature's recycling (model)

- students dig with trowels in the dirt to find living organisms in soil & organic matter breaking down - worms, bugs, decaying leaves

Compare compost in bucket (rich organic matter) to school dirt.

Collect lunchbox scraps and dry leaves to add to bucket of compost to improve soil at school

Objective

The aim of this session is to demonstrate the living systems that create soil, provide nutrients to plants ands and are key to the health of our environment.

Learning Intentions

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

- understand that soil is important for plants and our food
- identify an organism living in soil
- explain the nutrient cycle of decay and why it is imporant
- explain why the composting our food scraps is good for the environment
- how composting can reduce waste and improve soil health

Reflection

How can we reduce waste & improve our soil health?

Follow up - keep adding to the compost until it turns into soil.

Olivera

PLANT THE SEED™

LESSON PLAN

SOIL SCIENCE - Grade 5 & 6

Session to be held outdoors, weather permitting.

Activities

Start by asking why soil is important?

- students brainstorm how soil benefits plants, animals and people

Demonstrate nutrient cycle/decay as nature's recycling (model)

- students dig with trowels in the dirt to find living organisms in soil & organic matter breaking down - worms, bugs, decaying leaves

Compare compost in bucket (rich organic matter) to school dirt.

Collect lunchbox scraps and dry leaves to add to bucket of compost to improve soil at school

Objective

The aim of this session is to demonstrate the living systems that create soil, provide nutrients to plants ands and are key to the health of our environment.

Learning Intentions

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

- understand that soil is important for plants and our food
- identify an organism living in soil
- explain the nutrient cycle of decay and why it is imporant
- explain why the composting our food scraps is good for the environment
- how composting can reduce waste and improve soil health
- introduce idea of biocapacity - how much life the soil can sustain.

Reflection

How can we reduce waste & improve our soil health?
What are the potential benefits to plants, animals and people?
Follow up - keep adding to the compost until it turns into soil.