

Growing new plants without soil.

Age: 5 years old.

Working with plants with preschoolers is a great way to learn about the natural world through hands-on activities and experiences.

Introduction

Have you ever grown plants? What did you do? How did you do?

I've brought pine cones and lentils. How can we grow plants using these things?

What can we do to help them grow? What might we do to make it grow?

Why do you think plants have roots?

What do you think the roots are for?

Can you see plant's roots in the plants, trees...outdoors?

- Where do you think they are?
- What do you think they look like?
- What is the purpose of a plant's roots?
- What types of nutrients do plants need in order to survive?
- Why do plants need water?
- What happens to a plant that does not get enough water?

➤ **Experience: Germinate seeds in a pine cone.**

- Monitor the process and answer the question: What changes are taking place?



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DILISTEN ERNALKUNTZA

1




LEHENIK DILISTAK SARTU DITUGU PIÑABURUEN HAZIEN LEKUEAN

DILISTEN ERNALKUNTZA

2



ONDOREN URETAN MURGILDUTA UTZI DITUGU, ETA EA ZER GERTATUKO DEN ZAIN EGONGO GARA EGUN BATZUETAN

DILISTEN ERNALKUNTZA

3






ASTE BAT PASATU DA ETA LEHEN DILISTAK HASI DIRA ERNALTZEN.

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➤ **Experince: Growing new plants from cuttings.**

Taking a cutting involves removing a piece of a leaf, stem or root and placing it in a growing medium where it then develops the other parts that were left behind (i.e., a stem will then grow roots, a root will then grow a stem).

Once roots are established, students will pot up their cuttings.



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