

FAIRBANKS MUSEUM & planetarium

Household Science for Preschool

Over and Under, How do Plants Grow?

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The following instructions represent additional resources for continued study of the topics covered in our "Household Science for Preschool" online class. All materials are the property of Balch Nature School Director Carolyn Guest and Assistant Director Libre Drouin who created them. All children's books or other resources are the intellectual property of those individual authors and companies and have been reviewed by a Fairbanks Museum & Planetarium educator.

Growing from a tuber, plant stem or root vegetable project part 1

Materials: potatoes starting to sprout, carrots, celery bottoms, beet tops etc.

Recycled containers, paper towel, water and knife for grownups

Here are three examples for your inspiration:

Potato:

1. Find the potato "eyes"



2. Cut the potato in pieces leaving at least 2 eyes on each section



3. Let the cut section set over night to "cure"

4. Next set the sections into a shallow container and cover with water
5. Watch for roots and leaves to form. This can be transplanted into soil
6. Read about this on the web

Carrots:



1. Cut a 1-2 inch section of the top of a carrot
2. Set them in a shallow dish with a piece of wet paper towel
3. You will grow new carrot tops, look for ways to use the greens



Sweet Potato: Just for fun you can also cut the top off a sweet potato, put tooth pick in and set it on top of a small jar of water



Gather all your Tops & Bottoms and made sure they were watered

Create a little "greenhouse" re-using a salad tub & a clear plastic bag to ensure the plants stayed warm & moist

Children's books that follow this topic:

Up in the Garden and Down in the Dirt by **Kate Messner**

Exploring Seeds (Let's look at Plants) by **Kristin Sterling**

Planting a Rainbow by **Lois Ehlert**

Growing Vegetable Soup by **Lois Ehlert**

Weeds Find a Way by **Cindy Jenson-Elliott**

From Seed to Plant by **Gail Gibbons**

How things Grow, My first book about, Usborne press

A Seed Is Sleepy by **Dianna Hutts Aston**

The Dandelion Seed by **Joseph Anthony**

In a Nutshell by **Joseph Anthony**

The Bad Seed by **Joey John**

Planting the Wild Garden by **Kathryn O. Galbraith**

Tops and Bottoms by **Janet Stevens**