

Laura McShane

What will grow? 45 min

Objective:

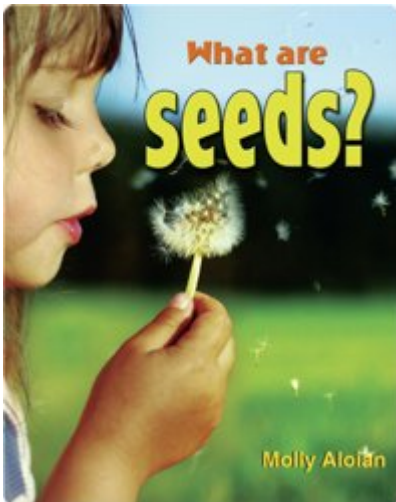
Understand how seeds grow

Big Idea:

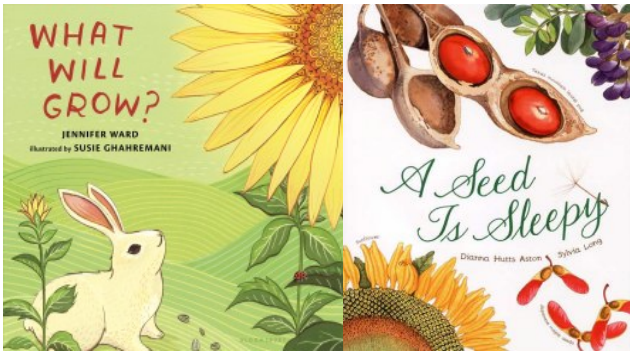
Scientists still don't completely understand the miracle of seeds and how they grown

1. Warm Up / Anticipatory 20 min

Share [Epic Book](#):



Other books to use:



[What Will Grow?](#) by Jennifer Ward

[A Seed is Sleepy](#) by Dianna Hutts Aston

2. Investigation and New Learning 20 min

Soak paper towels and pumpkin seeds (or sunflower seeds) - line up the seeds on paper towel in shallow tray, and monitor.



There are a number of factors that affect seed growth - ask the kids to brainstorm:

<https://www.giftofcuriosity.com/seed-experiments-and-activities-for-kids-seed-science/>

This site recommends using a clear jar:

<https://littlebinsforlittlehands.com/easy-seed-experiments-kids/>

Keep the towel moist. How many days does it take for seeds to germinate? Plant the sprouted seeds in soil (Because we are in the fall season in Cleveland, Ohio- this might be a project that is better to have in spring.) What is the best way to store seeds?

<http://www.clevelandseedbank.org/>

The [Cleveland Seed Bank](#) is the domestic work of The Hummingbird Project, an international permaculture aid non-profit based in Cleveland, OH. It aims to safeguard and restore the biological diversity vital for sustainable agriculture, both in the U.S. and around the world.

3. Review & Check for Understanding 30 min

Epic Books has a quiz that can be completed after reading the book - [What are seeds.](#)

For preschoolers we modify the program with rhymes--Make a circle, circle BIG, BIG, BIG (Small ")

Hello, hello, hello

Make a circle UP, UP, UP (Down ") Now let's sit down!

Pumpkin, pumpkin on the GROUND

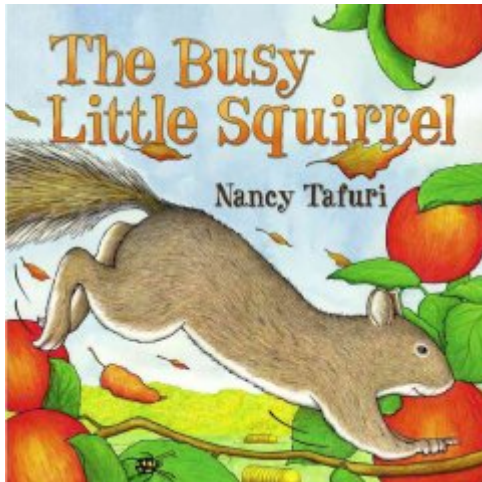
How'd you get so big and ROUND

Once you were a seed so SMALL

Now you are a great big BALL

Pumpkin pumpkin on the the ground, how'd you get so big and round.

Share the book [What Will Grow](#) and this fall classic:



[The Busy Little Squirrel](#)

Standards: CCSS.ELA-LITERACY.CCRA.R.1