

# ArtStream

Written Instructional Guide



# “Sculpting in 2D and 3D with Modeling Dough”

*“For Grades 3-5 Students”*

With Teaching Artist Nicole Hummel

# Lesson 2: “Modeling the Life Cycle of a Plant Part 1: Seed and Sprout”

# Materials

## *Materials:*

- o Required
  - Clean surface
  - Modeling dough from Lesson 1 (or storebought dough in different colors)
  - A hard moveable surface to keep the sculpture on (a piece of cardboard, a cutting board or a plate)
- o Recommended
  - popsicle stick
  - toothpick



# Introduction

- Welcome
- I'm Nicole Marie Hummel, I'm a ceramic artist based in Eugene
- We are going to be exploring the **life cycle** of a plant. A life cycle shows how living things grow and change over time, and all plants and animals go through life cycles - and yes, that includes humans!
- Our focus today is on the first part of a plant's life cycle: germination. I will be teaching you how to use sculpting dough to model the first part of a plant's life cycle. We are exploring the way that a seed develops into a seedling, and using the clay to represent this transformation.
- First, we are going to take a moment to take some deep breaths together so that we can be fully engaged in this process of making clay!

# Mindfulness Exercise

- Close your eyes, wiggle your fingers, hands, take a really full deep breath in and exhale with a HA!
- Reach your arms out to the side wide!
- Reach arms overhead to the stars!
- Reach arms around yourself to give yourself a big hug!
- This is a helpful way to energize your body and mind! When we are more aware of what is going on in our body and breath, we can be more in the moment and connected to what we are creating.

# Step 1: Organize Materials

- Begin by organizing our materials
- Sort out the colors of modeling dough, set tools together

## Step 2: Set Up Work Space

- **Instructions**

- Once ingredients have been organized , move them to the edge of the “work space”. The work space can be a blank piece of paper, or a clean, flat surface

# Step 3: Sculpt a Seed

- A seed holds all of the information for a new plant to grow - it is essentially a packaged up tiny plant with a protective coating that can travel through time and space!
- We are going to sculpt a plant seed - choose whichever color dough you would like to make yours! seeds come in all different colors depending on what they will grow into!
- I'll be showing a pumpkin seed, so I'm going to choose yellow and green
- **Instructions**
- Start with shaping a small teardrop shape out of green
- create a coating over it with the yellow
- Parts of a seed: embryo, supply of nutrients or food for the embryo, and a protective coating
- Use a toothpick, or maybe your fingernail, to create a small indentation around the edge



# Step 4: Germination!

- Germination happens when the seed begins to grow
- It needs just the right conditions - usually soil, water, and sun!
- Next the seed develops roots to anchor itself in the ground, a stem to push it towards the light, and its first leaves
- we are going to begin with the root!

## Instructions

- open up the outer layer of the seed - create a few little yellow coils to be the roots that comes down
- create a green little stem coil that goes up
- create 2 little leaves to attach to the stem - decorate the leaves with the toothpick or fingernails



# Closing Reflection

- Take a moment to sit back, close your eyes, and remember the process of doing this. What was your favorite part? Take a deep breath together.
- Thank students for tuning in and participating
- Directive: Feel free to explore seeds more on your own! Look up what a tomato seed, a carrot seed, a pumpkin seed, and calendula seed look like, and compare them! Try to sculpt different types of seeds. In upcoming lessons, we will explore the next stage of the plant's life cycle.

We will have 2 more lessons to explore so tune back in!

# Thank you!

- Keep creating!