

# ArtStream

Written Instructional Guide



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

*“For Grades 3-5 Students”*

With Teaching Artist Nicole Hummel

# **Lesson 3: “Modeling the Lifecycle of a plant Part II : Leaves and Flowers”**

# Materials

## *Materials:*

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



# Introduction

- Welcome
- I'm Nicole Marie Hummel, I'm a ceramic artist based in Eugene
- We are continuing our exploration of the **life cycle** of a plant. As we discussed earlier, a life cycle shows how living things grow and change over time. Last lesson we sculpted a seed and the germination process when the seed develops into a seedling.
- Our focus today is on the next stage of a plant's lifecycle: maturation. This is when the plant develops its leaves and then flowers! I will be demonstrating how to use sculpting dough to model this development.
- First, we are going to take a moment to become aware of our surroundings and ourselves so that we can be fully engaged in this process of making clay!

# Mindfulness Exercise

- Take a deep breath, rub your arms with your hands
- Look around you and find something that you like to look at, take a breath
- Close your eyes and listen, find a sound that you can hear, take a breath
- This is a helpful way to sink into your body and be more aware of how you are feeling! Then 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
- Seed and seedling from previous lesson

## 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
- Seedling at the center of workspace

## Step 3: Sculpt Leaves and Vine

- As a seedling continues to grow, it develops more leaves. The leaves absorb sunlight, which is transformed into nutrients for the plant. This is called photosynthesis!
- Now we are going to sculpt more leaves for this pumpkin plant. This is a vining plant so as additional leaves grow, the plant sprouts tendrils which grow longer into vines!

### Instructions

- shape leaves
- decorate using toothpick, pencil, etc.
- create tendrils and vine and attach leaves to it

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# Step 4: Flowering!

- Once the plant is mature, it flowers! Depending on the plant, there can be many flowers!
- There is a reason flowers are beautiful - these are going to be the way that the plant attracts a pollinator, so that it can become a fruit!
- A pumpkin plant has big yellow/orange flowers. So grab your clay

## Instructions

- petals
- pistil and stamen
- attach to vine



# 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 investigate the anatomy of a flower - what is the pistil? what is the stamen? What is the difference between a male pumpkin flower and a female pumpkin flower? So much to explore here! In our last lesson, we will explore the next stage of the plant's lifecycle: pollination and fruiting!

We will have 1 more lesson to explore so tune back in!

# Thank you!

- Keep creating!