

# ArtStream

Written Instructional Guide



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Sculpting the Digestive System with Homemade Modeling Dough

*“For Grades 6-8 Students”*

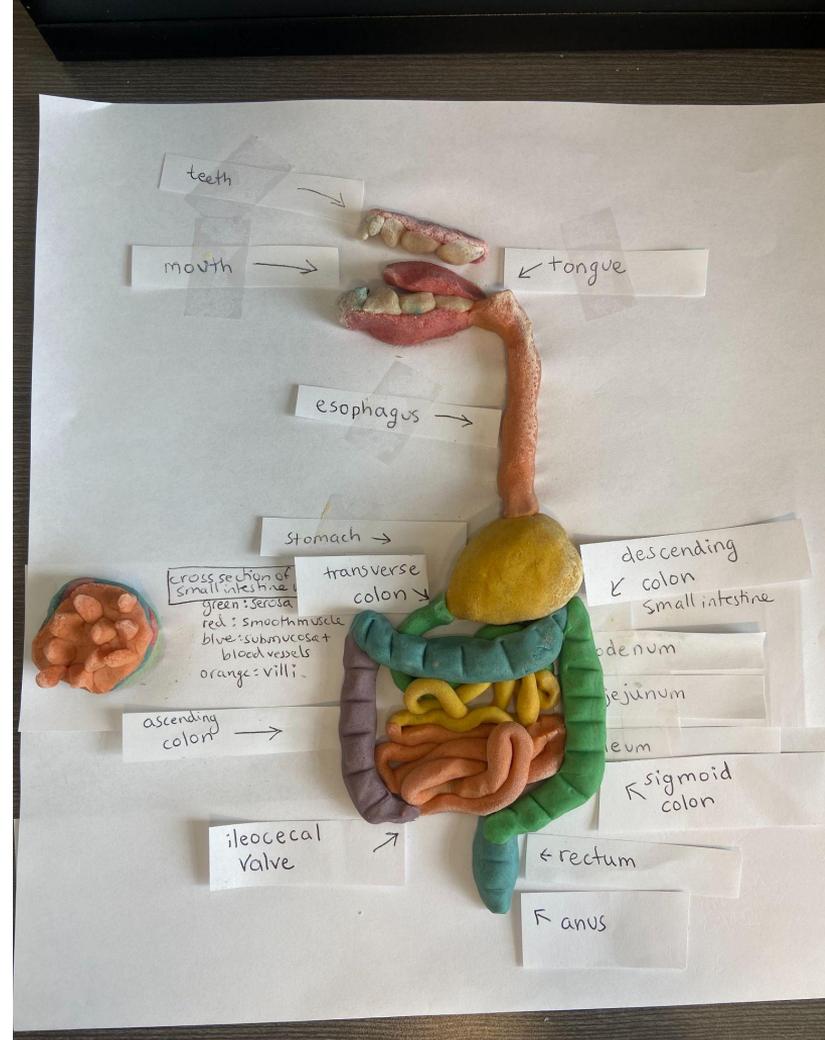
With Teaching Artist Nicole Hummel

**Lesson 4: “Sculpting the Digestive System  
Part III: Large Intestine”**

# Materials

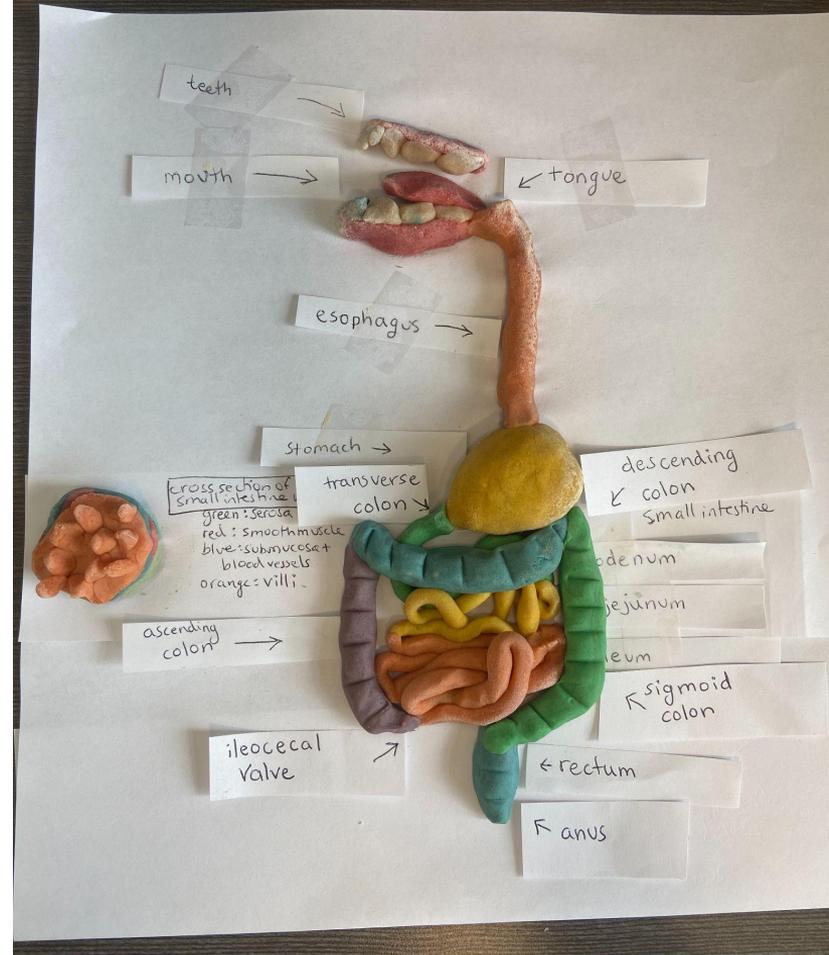
## Materials:

- 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 digestive system**. As we have been seeing, the process of breaking down our food so that we can absorb the nutrients is intricate. Last lesson we sculpted the small intestine and a cross section of it
- Our focus today is on the large intestine, where water absorption happens and where waste material is stored before it is defecated, as poop!
- First, we are going to take a moment of mindfulness so that we can be fully engaged in this process of making clay!



# Mindfulness Exercise

- Take a deep breath, put your hand on your heart, notice what it feels like
- Now see if you can count 2 in, and a count of four out, making your exhale longer
- Now try in for 4, out for 6
- This can be helpful to calm your mind and your body if you are anxious or overwhelmed!

# Step 1: Organize Materials

- Begin by organizing our materials
- Sort out the colors of modeling dough, set tools together
- Sculpture from previous lesson stored safely on the board (mouth, esophagus, stomach, small intestine, and cross section)

## 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
- Digestive System Sculpture at the center of workspace on the board

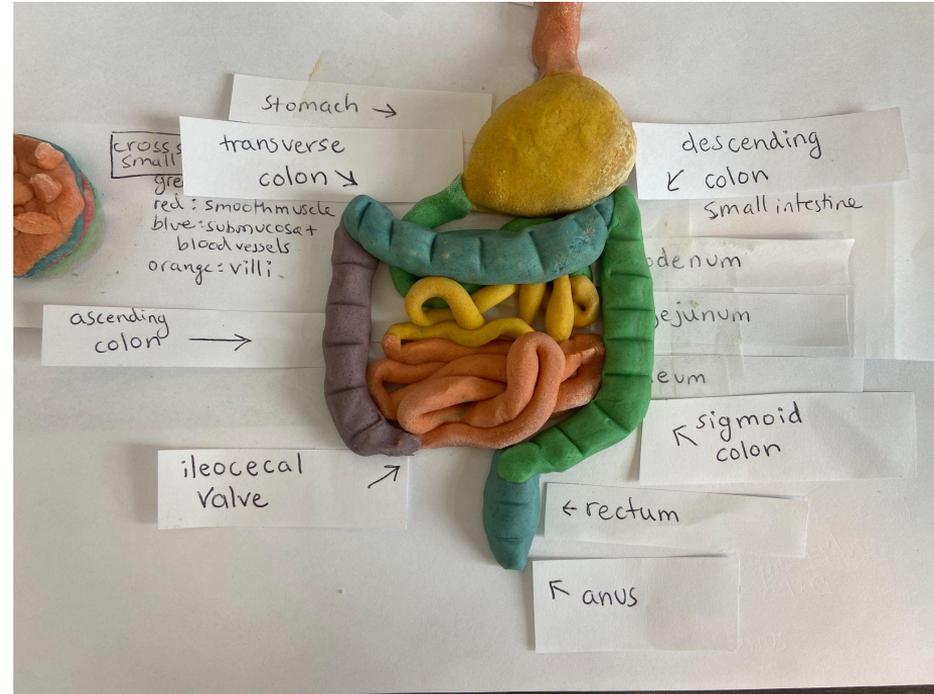
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# Step 3: Sculpting the Large Intestine

- shape and names of different parts
- water absorption
- storage before defecation

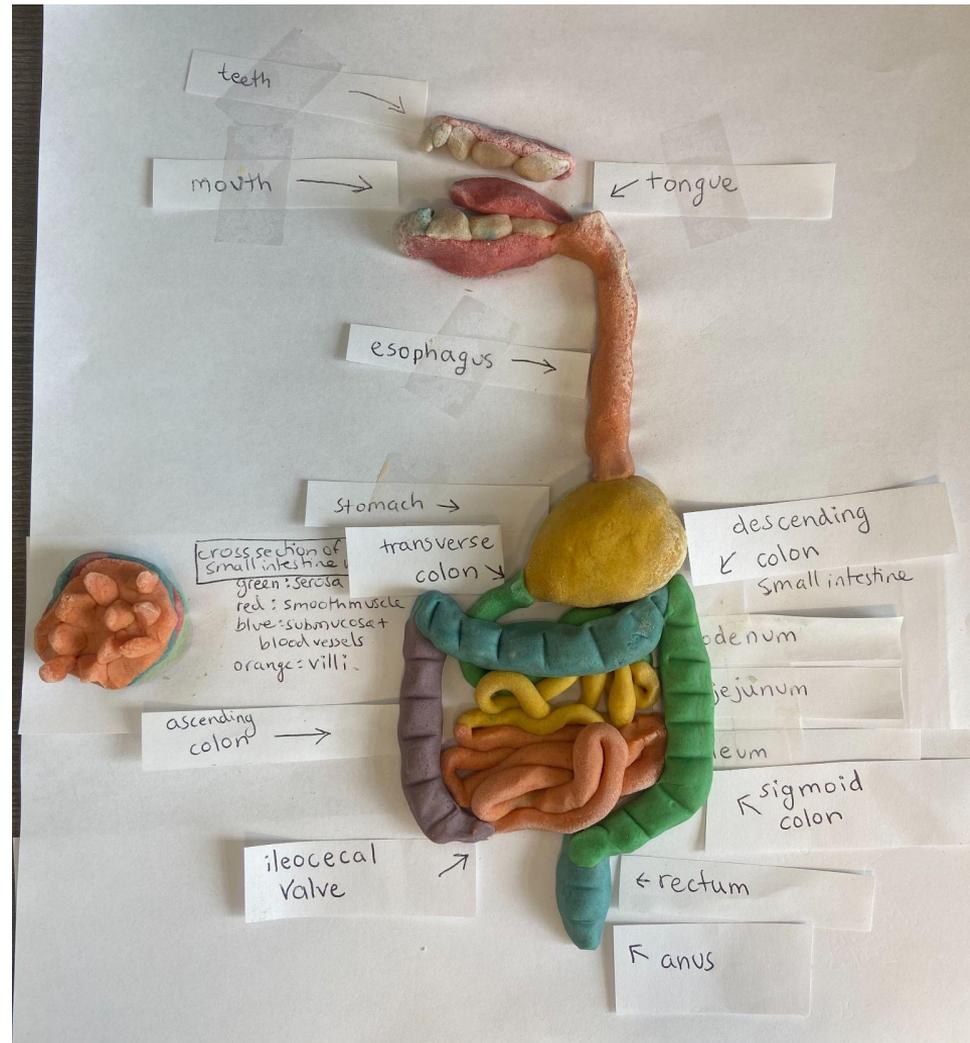
## INSTRUCTIONS

- sculpt the coils, and each part of the large intestine (ascending, transverse, descending, and sigmoid)
- Add texture to the large intestine (haustra)
- rectum



## Step 4: Putting it All Together

- We are going to put all of these sculptures together!
- attach all to bigger sculpture
- label



# Closing Reflection

- Take a moment to sit back, close your eyes, and remember the process of doing this. What was your favorite part? How did it feel to crumple up the plant at the end? Take a deep breath together.
- Thank students for tuning in and participating
- Directive: Check out the other systems of the body and sculpt them! Respiratory system, Reproductive system might be especially fun and interesting!

Thanks so much for joining me on this journey!

# Thank you!

- Keep creating!