

Subject/Grade: Kinder		Lesson Title: Inside a Pumpkin	
Teacher: Kendra Giuliano			
Stage 1: Identify Desired Results			
Outcome(s)/Indicator(s): <u>Art</u> CPK.4 Create art works that express own observations and ideas about the world. <u>ELA</u> CRK.2 View and interpret the basic message of visuals and objects in a variety of texts including models, photographs, dramas, dance creations, and videos. CRK.3 Listen, comprehend, and respond to gain meaning in oral texts. CRK.4 Comprehend, retell, and respond to basic ideas in stories, poems, songs, and informational texts read to them CCK.3 Use oral language to converse, engage in play, express ideas, and share personal experiences. CCK.4 Create messages using a combination of pictures, symbols, and letters. <u>Science</u> LTK.1 Examine observable characteristics of plants, animals, and people in their local environment. MOK.1 Investigate observable characteristics of familiar objects and materials in their environment.			
Key Understandings: ('I Can' statements) I can compare the number of objects in two sets. I can share my ideas and understandings with peers. I can count from 0-10. I can recognize a familiar number of objects. I can identify characteristics of an object. I can describe an object. I can discuss my findings with my peers. I can make predictions.		Essential or Key Questions: What is inside a pumpkin? How can I observe a pumpkin using 4 of my senses?	
Prerequisite Learning: - None			
Instructional Strategies: Storytelling Didactic questioning Inquiry based learning			
Stage 2: Determine Evidence for Assessing Learning			
Students will be formatively assessed through observations and the asking of questions during the lesson. These questions can be found in the learning plan.			
Stage 3: Build Learning Plan			
Set Engagement Watch <i>Dissect a pumpkin</i> – SciShow Kids (4:45). Dissecting – opening something up to investigate. Parts of a pumpkin Rind – the hard outside that protects the seeds		Length of Time: 10 min.	Prep: - Cover tables in plastic

Ribs – lines on the outside of the pumpkin

Seeds

Fibrous strands – each one connects to a seed. They help seeds grow.

Pulp – the tasty part we and animals eat

How do seeds get out of the pumpkin to grow more pumpkins?

- People can scoop them out and plant them
- Animals eat the fruit and poop out the seeds.

For each line on the outside there is a row of seeds on the inside.

- Count in the lines on the pumpkin to see how long it was on the vine.

Big pumpkins don't usually taste very good.

Is our pumpkin small, medium, or big?

Do you think it would taste good?

Make predictions about how many seeds are in our pumpkin. Write them down along with the kids' names so we can compare later.

Development

Length of Time: 30 min.

Students collect their journals and move to the tables.

Teacher cuts pumpkin in half.

What do you see?

- Point out the parts of a pumpkin that were mentioned in the video.

Place one half of the pumpkin at each end of the table.

Explain that students will need to take turns examining the pumpkin with the hand lenses.

Have students draw what they see inside the pumpkin in their journal.

Scoop out the inside of the pumpkin and put it on the tables for students to examine.

What do you see?

What does it feel like?

What does it sound like when you squeeze it?

What does it smell like?

Materials/Resources:

- *Dissect a Pumpkin* by Scishow Kids (YouTube) [4:45] - https://youtu.be/d1ENed_Sn_Y?feature=shared
- Pumpkin
- Knife
- Metal spoon
- 3 large bowls
- Plastic for tables
- Hand lenses

Possible Adaptations/

Differentiation:

- Winnie will utilize her EA to create a drawing of the inside of the pumpkin.

Management Strategies:

- Questions will be directed at specific students to limit blurting and interrupting.
- Use attention getters when needed.
- Go over expectations of the pumpkin exploration on the tables and in the tough tray.

Safety Considerations:

- None

Record responses on the flip chart that was created in the "Characteristics" lesson.

Learning Closure

Length of Time: 5 min.

Students will wash their hands and get ready to transition.

Teacher will transfer the inside of the pumpkin to a tough tray for the remainder of the day. Store the rind in the fridge to be used for the decomposition lesson.

Stage 4: Reflection