

North Rowan Elementary School
Collaborative Unit
Grade: 1st



Title of Unit: Pumpkin Seed Count

NCSCOS Goals

Science:

1.01 Investigate the needs of a variety of different plants:

- Air.
- Water.
- Light.
- Space

Social Studies:

4.01 Recognize and describe religious and secular symbols/celebrations associated with special days of diverse cultures

6.07 Recognize that all families produce and consume goods and services

7.03 Use the computer and other technological tools to gather, organize, and display data

Language Arts:

1.04 Self-monitor decoding by using one or two decoding strategies (e.g., beginning letters, rimes, length of word, ending letters).

2.05 Predict and explain what will happen next in stories.

4.06 Compose a variety of products (e.g., stories, journal entries, letters, response logs, simple poems, oral retellings) using a writing process.

5.01 Use phonic knowledge and basic patterns (e.g., an, ee, ake) to spell correctly three-and four-letter words.

Math:

1.01 Develop number sense for whole numbers through 99.

- Connect the model, number word, and number using a variety of representations.
- Use efficient strategies to count the number of objects in a set.
- Read and write numbers.
- Compare and order sets and numbers.
- Build understanding of place value (ones, tens).
- Estimate quantities fewer than or equal to 100.
- Recognize equivalence in sets and numbers 1-99

4.01 Collect, organize, describe and display data using line plots and tallies.

5.03 Create and extend patterns, identify the pattern unit, and translate into other forms.

Technology:

1.01 Identify, discuss, and represent visually uses of technology (e.g., computers, cell phones, digital cameras) at school and home

1.05 Identify graphing as a tool for organizing information.

1.06 Identify and discuss graphing software terms/concepts (e.g., graph, patterns, display).

2.02 Observe, discuss, and use software to enter, calculate, display data, and interpret results as a class/group.

Information Skills:1.01, 1.05, 1.08, 1.09, 4.07, 4.09

Essential Question:

Compare/contrast characteristics of different pumpkins.

Activities:

1. KWL chart on Pumpkins
2. Promethean Flipchart on the Life Cycle of a Pumpkin
3. Pumpkin Writing - have students write descriptions of pumpkins prior to cutting
4. Pumpkin Seed counting - weigh pumpkins, 3 different pumpkins (open and count separately seeds in all 3 pumpkins) - count by tens on paper with circles for each 10
5. Record pumpkin seed counts on Numbers template with graph (Compare/Contrast)
6. Record numbers in Internet Database (JenuineTech.com/Projects) Make observations about pumpkins across the world! (Discuss continents.)
7. Carve the remaining pumpkins and write creatively about them.