

First Grade Graphing with Excel
By: Nancy Lombard

Grade 1, Subject: MST, ELA
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LEARNING CONTENT

The **purpose** of this learning experience is to have the students organize data and interpret it.

ESSENTIAL QUESTION

How can you organize data electronically into a bar/pie graph? What kind of statements can you write by reading a pie and/or bar graph?

New York State MST Standards:

No. 2: Students will access, generate, process and transfer information using appropriate technologies.

Performance indicator:

Students use a variety of equipment and software packages to enter, process, display, and communicate information in different forms using text, tables, pictures, and sound.

No. 3: Students will use mathematical modeling/multiple representation to provide a means of presenting, interpreting, communicating, and connecting mathematical information and relationship.

Performance indicator:

Students use concrete materials to model spatial relationships, construct tables, charts, and graphs to display analyze real-world data.

New York State ELA Standards:

No. 1: Students will read, write, listen, and speak for information and understanding. As listeners and readers, students will collect data, facts, and ideas; discover relationships, concepts, and generalizations; use knowledge generated from oral, written, and electronically produced texts. As speakers and writers, they will use oral and written language to acquire, interpret, apply, and transmit information.

Speaking and Writing

Performance indicators:

Students present information clearly in a variety of oral and written forms such as summaries, paraphrases, brief reports, stories, posters, and charts.

Students observe basic writing conventions, such as correct spelling, punctuation, and capitalization, as well as sentence and paragraph structures appropriate to written forms.

Listening and Reading:

Performance indicator: