

## Technology Integrated Lesson Plan

<b>Teacher Name:</b> NEIL PALLOTTA	<b>Grade/Subject:</b> 8 <sup>TH</sup> /MATH
<b>School:</b> HOPATCONG MIDDLE SCHOOL	<b>Duration of Lesson:</b> 40 min.
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<b>Lesson Overview:</b> Students will make bar and circle graphs to represent data collected during a survey	
<b>Technology Focus Area:</b> Excell Graphs	

**Curriculum Objective(s):**

- Display Data Using Oppropriate Graphs

**NJ Core Curriculum Content Standards:**

4.1,A,B, 4.4,A, 4.5,E,F

**Sequence of Instruction** (Check where technology is being integrated in the lesson.):

Opening  Teaching  Guided Practice  Closure  Homework  Assessment

**Lesson Introduction:**

Students will collect data using a survey that was developed by the student. Students will covert raw data into fractions, decimals, and percents. Students will then use bar graphs to represent the raw data and circle graphs to represent the percent data

**Procedures:**

1. Students will design and conduct a survey during one class class period. Students may continue to gather data during the school day and after school. For Homework, students will convert raw data in the form of a tally into fractions, decimals, and percents. Students will then use this data to create appropriate graphs for the data collected using the Excell program

**Assessment:** Student data and graphs will be graded acording to a rubric provided to each student.

**Technology Skills Needed by Students:**

- Collect, analyze, and display data
- Data entry in the Excell program

**Location of the Lesson:**

Classroom  Computer Lab  Library  Other

**Equipment Needed:**

- Computer Lab (Smartboard and student computer terminals, printer and internet access to store and save data)

**Classroom Management Strategies:**

- Students will work individually at the computer terminals
- Students may help others having difficulty
- Teacher will model using the smartboard

**Support Materials:**

- Survey Template
- Excell instructions for students