LESSON 9  WHO LIVES IN MY COMMUNITY: LOCAL DEMOGRAPHICS and GRAPHING

Overview
Using local demographic (census) information, students graph and interpret changes in the census data over time for their community.

Objectives
Students will be able to:
1. Access information from their local governmental agencies.
2. Convert written data into a graphic form that will show change in population over time.
3. Interpret data and draw conclusions about population changes in their area, and how this affects their community (economy, jobs, visual appearance, type of development, community character).

Procedure
1. Begin by helping students brainstorm places that may have data about their city, e.g. 10-year census.
2. Democratically select a student to be responsible for phoning local city hall to request the information. Once the information is obtained, copy and distribute to each group.
3. Each group must decide which type of graphic form will work best to display the data. Provide the groups with a rubric so they will understand the assignment expectations.
4. Once the graph is complete, ask students to evaluate the information in order to draw conclusions about the changes to the population in their area, and possible consequences of those changes.

Assessment
Students are able to correctly construct a graph and interpret the data on the graph.

Michigan Content Standards Addressed

Language Arts
Standard 1.1.1 Using reading for multiple purposes, such as enjoyment and increasing conceptual understanding

Social Studies
Standard 2.4.3 Describe changes in the region over time as well as presently.
Standard 5.1 Inquiry
♦ Use traditional and electronic means to organize information and to make maps, graphs and tables
Standard 5.2
♦ Construct an answer to the question posed and support it with evidence and logical argument.
Standard 5.1.1.1
♦ Locate information in local, state, and national communities using a variety of resources.

Math
Standard 3.1.2
♦ Draw, explain and justify conclusions about trends, using data.
Rubric - **GRAPH DISPLAY ASSESSMENT**

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<th>Yes</th>
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<tbody>
<tr>
<td>1. Does the graph have a title?</td>
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<td>2. Does the graph correctly represent the data that is being analyzed?</td>
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<td>(for example: comparison information, total amounts, change over-time, listings of information, % of whole, etc.)</td>
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<td>3. Is the graph readable:</td>
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<td>4. Is the source of information cited?</td>
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<td>5. Are the authors listed?</td>
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Comments:

Total score _____