Title: One Million Dollar Lesson
Grade(s): 4th and 5th Grade
Subject(s): Mathematics
Author: Black, Clemmer, Martin, and Oliver
Overview: Encourage students in grades four and five to learn about the Internet while planning and organizing a way in which to spend a million dollars.

Content Standards:
MA(4) 2. Write money amounts in words and dollar-and-cents notation.
MA(4) 17. Represent numerical data using tables and graphs; including bar graphs and line graphs.
MA(5) 2.3 Demonstrating computational fluency with addition, subtraction, multiplication, and division of whole numbers.
MA(5) 14. Analyze data collected from a survey or experiment to distinguish between what the data show and what might account for the results.

Local/National Standards:
Primary Learning Objectives: The students will complete a project consisting of an account ledger and chart/graph of items used to show their expenditures of one million dollars.

Additional Learning Objectives: The students will use technology tools to organize, interpret, and display data.

Approximate Duration of Lesson: Four Days

Materials and Equipment: Accountant Leger, Magazines/Catalogs, Tri-fold Board

Technology Resources Needed: Calculator, Classroom Desktops, Microsoft Excel

Background/Preparation: Students should have basic understanding of charts and graphs; Be familiar with how to create charts and graphs on Excel and the format of a collage.

Procedures/Activities:
Day One
TTW show the “Million Dollar” Xtranormal video. TTW introduce the project rules and limitations. TTW teach students how to balance money using a spreadsheet.

Day Two
TSW research their selected items from within magazines/catalogs. TSW place selected items and prices into account ledgers, then calculate.

Day Three
Use the leger to create a chart/graph using Microsoft Excel. Print off chart/graph for project. TSW display all information used to complete this assignment on Tri-fold Boards.
Day Four  
TSW give an oral presentation of his/her project.

**Attachments:**

**Assessment Strategies:**
Project Rubric (See Attachment A): Oral Presentations

**Extension:**
Assign different roles and audiences based on the attached RAFT chart.

**Remediation:**
Assign peer helpers to check for comprehension of directions; Special Education teacher will assist his/her students; Team teaching computation of fluency.

### Differentiation through RAFT

<table>
<thead>
<tr>
<th>Role</th>
<th>Audience</th>
<th>Format</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writer</td>
<td>Self</td>
<td>Tri-fold Board Presentation</td>
<td>Topic of personal interest or concern for the role or audience.</td>
</tr>
<tr>
<td>Inventor</td>
<td>Peer Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reporter</td>
<td>Teacher</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **Attachment A**

### Assessment for Million Dollar Project

<table>
<thead>
<tr>
<th>Items of Assessment</th>
<th>Max Points</th>
<th>Points Given</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chart/Graph</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Account Leger</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Collage</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Organization</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Oral Presentation</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>Student Name:</strong></td>
<td><strong>Total Points</strong></td>
<td><strong>(100)</strong></td>
</tr>
</tbody>
</table>

Lesson Plan format is adapted from the Alabama Learning Exchange (ALEX). Lessons were developed by staff of the UAB NSF project “Integrating Computing Across the Curriculum: Incorporating Technology into STEM Education Using XO Laptops.”