Technology Integration Ideas

Have your students learn through problem solving. The activities in TechnoCandy, connect mathematics to a real-world situation that is simplified to make it understandable to children. Students are challenged to develop a solution that will increase candy sales. This project can be used to develop critical thinking, teach inquiry and analytic research methods, and build problem solving strategies. There are several ways to integrate TechnoCandy into curriculum:

- **Mathematics Problem Solving Unit**
  Make mathematics and spreadsheets enjoyable. Engage your students in a business problem that they will like to solve. The activities in TechnoCandy use a problem solving model. Students gain an understanding of the problem, investigate the issue, analyze the findings, and recommend a solution based on the evidence.

- **Mathematics Graphing Unit**
  Teach graphing techniques in a meaningful way. TechnoCandy includes activities for displaying data in a single and double bar graph. By interpreting the graphs students make decisions based on real world data that they collected.

- **Spreadsheet Unit**
  TechnoCandy can be included as part of a computer course or class. Students learn basic skills such as how to manage sheets, format cells, calculate data, and graph cell ranges. Extension activities make learning spreadsheets fun by playing Bingo and drawing spreadsheet pictures. For older students there are activities to develop advanced graphing skills and a deeper understanding of addition formulas.

- **Entrepreneurship Unit**
  Incorporate TechnoCandy as part of a business studies, finance, or entrepreneurship course. The scenario allows students to investigate practical solutions to an everyday problem that many business owners must overcome.

- **Integrated Technology Unit**
  Develop computer, mathematics, language, and visual arts skills. Use Google Sheets to analyze data, Google Docs to report findings, Google Slides to design a candy package, and Google Forms to conduct a survey.

Understand the Big Picture

Not sure where to integrate TechnoCandy? View samples to gain a better understanding of the project. The Spreadsheet sample is a completed of survey results and candy package research. The Report sample describes a solution.