




## Tools and Resources

(List all Web sites, specific software and hardware needs)

### 1. Spreadsheet software

## Assessment

(How will you assess the students' learning? If you have a rubric, record it here. Be as specific as possible)

Students will be assessed on

- Their ranging and calculation of the data set .
- Their correctness of the mathematical model they derive.
- Their interpretation of the graphs.
- Their explanation of the physical reasons for the differences in the graphs.

## Authors (including contact information)

(Record the names and email addresses, if possible, of those who contributed to the development of this lesson sequence)

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## Personal Account

(Have you taught this lesson sequence before? What are the great learning/experiences you had?)

Extensions of the activity would include: a) preparing a graph that displays the surface and volume data simultaneously, b) generalizing the analysis of the surface and volume data for different length/width ratios