



Graph The Growth

Help your student make professional looking line graphs to enhance their hands-on science experiments.

Materials:

- Bean seeds, soil, and containers
- Science journals or notes
- Science experiment form
- Plant Growth Observation form
- Spreadsheet Software

Before the Computer:

- As your students learn what plants need to survive, involve them in a hands-on experiment to see how denying a plant what it needs to sustain life will have serious effects.
- Have your students fill out their science experiment form to plan their group's experiment.
- Each student or group of students has two plants. One plant is the control plant that will be given food, water, sunlight, fertilizer, etc. This plant should show a normal plant's growth pattern. The second plant will either be denied something it needs to live or given too much of its (too much water, too much fertilizer, a heat lamp 24 hours a day). Allow your students to decide what variable they will change and how.
- Have your students take notes on their plant activity, using the Plant Growth Observation Chart.
- At the end of the observation period, have your student use a spreadsheet program to make a line graph of their results.

On the Computer:

- Have your student take their Plant Growth Observation Charts to the computer. There they can use the information in their charts to set up spreadsheets.

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Science Experiment Form

Science Project Title: _____

Question: What do you want to find out?

Hypothesis: What do we think we will find out?

Materials:

Procedure: How will we find out? List step-by-step instructions.

1. _____
2. _____
3. _____
4. _____
5. _____

Results: What actually happened?

Conclusion: What did we learn?

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Plant Growth Observation Chart

As you observe the growth patterns of your plants, record the information here.

Date	Day #	Control Plant	Experimental Plant	Notes

