

# Hooke's Law

## Question Hints

- Q1: Keep in mind how it helped you deal with parallax.
- Q2: Choose F1, D1 such that it is near the bottom of the graph and F2, D2 is near the top.
- Q6: Show the calculations with results.
- Q7: See the formula under "Relevant Data Table Information."
- Q8: Think along of the lines of pre-digital (analog) devices.

## Remember...

- your spring should stretch between 0.1 cm to 0.3 cm per 10 grams applied to the spring.
- to keep in mind errors which may have crept into your data collection when analyzing your data tables, such as those due to parallax.
- you cannot complete the final column on your data table until you answer Q2.

Don't forget the extra credit, worth 1 point, this week.

Remove all weights from the spring before leaving class.

## Textbook References

- Note: These are meant as a rough guide only.
- Conceptual Physics - Ch. 7: 110-1, Ch. 12: 233-4
- Physics, A World View - Ch. 15: 289

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