

# The Inclined Plane

## General Notes

- Please turn in your report from last week. Be sure to include the signed data table.
- Be sure to verify that the cart can freely pass through the timing gates each time you change the location of either of the gates.
- Measure the angle of inclination at the same location on the plane for all parts. Release the cart from the same location as well.
- A sample data set is available up front for you to compare to your results.
- Don't forget the extra credit, worth 1 point, this week.
- Graph paper is available at the front of the classroom for your use.
- For Q7 use the equations of motion given in your textbook.

## Remember...

- To keep in mind errors which may have crept into your data collection when analyzing your data tables.
- That under theoretical (perfect) conditions, the acceleration should be a constant throughout your plane.
- When squaring a number, you also square the units associated with the number.
- To place something at the end of your plane to catch the cart (i.e., your lab partner, a bookbag, a coat, etc.).
- To include units on your data table.

## Textbook References

- Note: These are meant as a rough guide only.
- Conceptual Physics - Ch. 2: 24-7, Ch. 3: 47, Ch. 4: 65-6
- Physics, A World View - Ch. 2: 21-8

**Last Modified: 21Aug07**