

Name: _____
Mr. Willis
Conceptual Physics: _____
Date: _____

Unit III
Forces and Motion (Newton's Laws)
Need extra help?
Check out <http://www.bayhicoach.com>

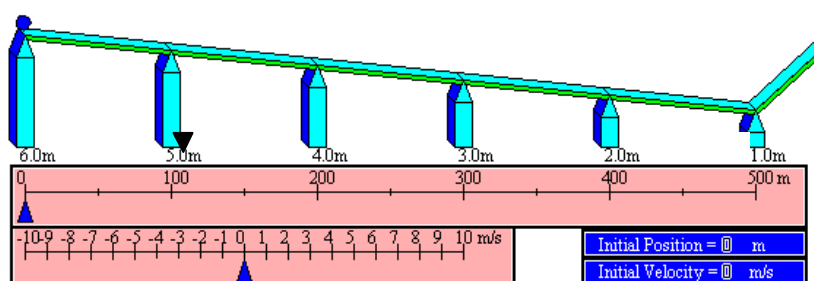


Rollball Activity

1. Check each of the following sets of tracks and sketch in predictions for the shapes of the x vs. t , v vs. t and a vs. t graphs.
2. After completing your predictions, Open an internet browser and go to the following url:

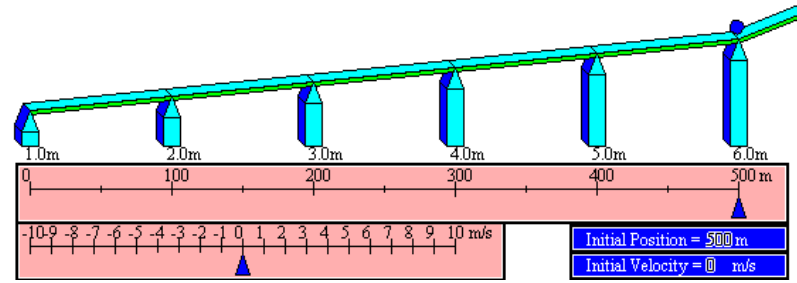
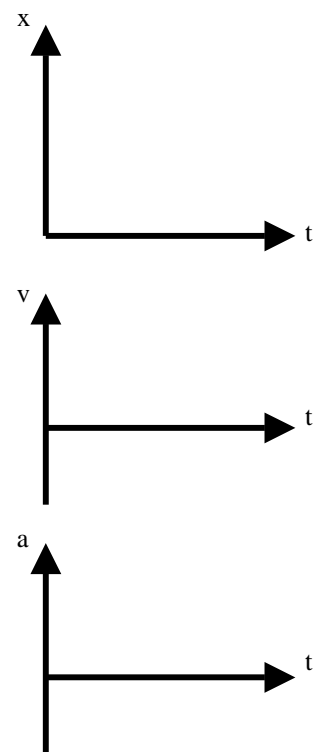
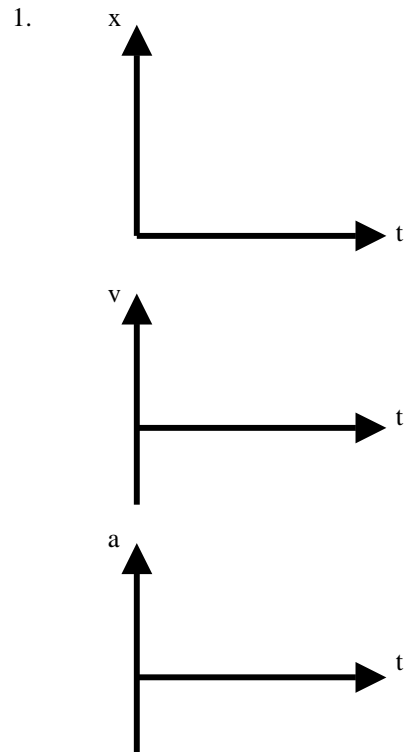
<http://www.h7.dion.ne.jp/~jasmin-g/physics/rollball/applet/applet.html>

3. The computer will ask if you have used the program before. You have not so select: **NO** and go through the tutorial.
4. After completing the tutorial, go to the **FILE** command and select **FREE EXPLORATION**.
5. Construct each of the following tracks and sketch the actual x vs. t , v vs. t and a vs. t graphs.



Predictions

Results



Predictions

Results

