PROJECT WORK- 2

MOTION

Some items to be given as project work for class-09 students.
They can do any one of the following. The report should be in at least two A4 pages.

1. Suppose that a ball is dropped at the top of an inclined plane. Calculate the time to reach the ground. What is the effect of the height of inclined plane on the travelling time. What is the effect of angle of inclination of inclined plane on the travelling time. Observe by making an experiment and Prepare a report. **nagamurthy.weebly.com**

2. A boy travelled from the bottom of a hill to the top by a bicycle. He again travelled from the top to the ground from another side. In between he travelled with uniform speed on the top of the hill. Draw a graph that shows the relation between speed and time during the travel. And Prepare a report with detailed explanation.

3. List out any ten objects which are moving with acceleration. And also list out ten objects which are moving with deceleration.

4. Expand the equation for measuring the distance travelled by an object in n^{th} second. (Let the object travels with uniform acceleration.)

5. Calculate the average speeds of vehicles passing through the road near by your school and write a report.

6. Calculate the average speeds of students of your class participated in 100m running race. And in 200m running race. And write a report.