Heading in your notebook

Use this handout as a guide

COMPLETE ASSIGNMENT IN YOUR NOTEBOOK

Refer to format for additional instructions.

(Name, date, period)

Hot Wheels Lab: Part 1

Acceleration

Purpose (Learning Target): Copy from screen

Hypothesis:

If the car is positively accelerating down the track the distance the car travels per second will \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Materials:

Procedure:

Must include:

a. A drawing of the set up.

b. Step by step instructions of how the data is collected.

Data/Results/Observations:

Must include:

* 1. Data table of the distance the car travels at each one second interval (speed of the car).

|  |  |  |  |
| --- | --- | --- | --- |
| Trial | Cm traveled in 1st second | Cm / 2nd second | Cm / 3rd second |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| Total |  |  |  |
| Average |  |  |  |

* 1. Graph of the relationship between speed and time. (X – TIME, Y-SPEED)
  2. Additional observations

Analysis:

Clearly explain how the data demonstrates the car accelerates as is goes down the track. Restate the evidence (data) as needed.

Conclusion…refer to format. Does the data support your hypothesis? Explain.