Work Sheet 2

Vehicle Number:

Student names:

*2nd Teaching Period*

1st Activity

Fulfil the tasks assigned to you in the previous lesson ***At the whole class level - Before the beginning of the teaching period***.

2nd Activity

Members of the group

     Name                                                                                  Role

………………………………………………………………….**Vehicle operator**

………………………………………………………………….**Measurements’ responsible**

………………………………………………………………….**Note taking responsible**

Number of vehicle  …………………………………………………………………………..

Put the requested time value in the delay variable, load the code into the car and measure the distance the car travelled at least 3 times for the same Time value.

Write down the value of each measurement of the distance at the table below.

Which measurement is correct? Suggest ways to choose the most appropriate measurement.

|  |  |  |
| --- | --- | --- |
|  |  |   Time |
|  |  | 1sec | 1,4sec | 2,3sec | 2,8sec | 4sec | 4,6sec | 5sec |
|  | 1st |  |  |  |  |  |  |  |
| 2nd  |  |  |  |  |  |  |  |
| 3rd  |  |  |  |  |  |  |  |
| 4th  |  |  |  |  |  |  |  |
| Final value.  |  |  |  |  |  |  |  |

3rd Activity

Fulfil the tasks assigned to you in the previous lesson ***At the whole class level - After the end of the teaching period***.

Homework

**Flipped classroom**

Transfer the points from the table above to the diagram below. Use the horizontal axis for time measured in seconds and the vertical for the distance measured in centimetres.

For each time value use the final value of the measurements.

Are all the points on the same straight line?

Is it meaningful to connect all the points with a segment?

Are the quantities Time and Distance covered  proportional?

