

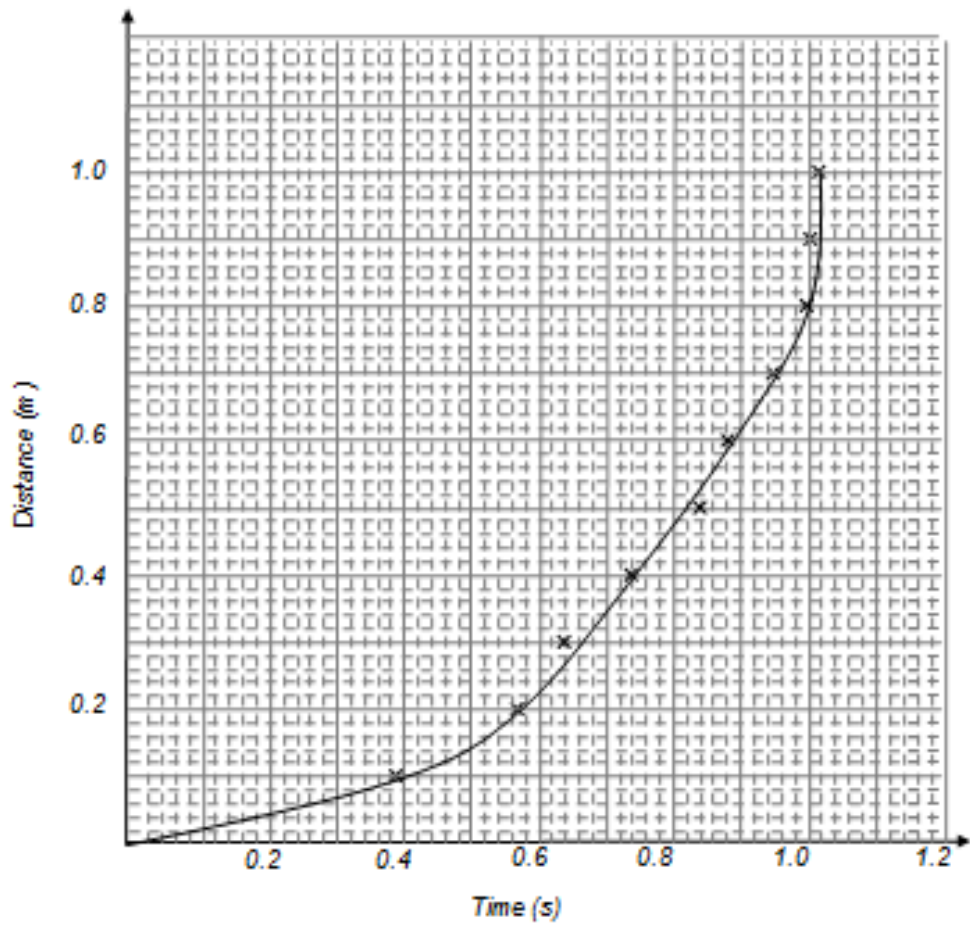
**Student 6: High Not Achieved**

**Aim:** To find a relationship between the distance travelled by a marble down a ramp and the time taken.

**Method**  
**Results**

Distance (m)	$T_1$ (s)	$T_2$ (s)	$T_3$ (s)	$T_{av}$ (s)
	(1)			(2)
0.100	0.44	0.38	0.38	0.4
0.200	0.59	0.54	0.53	0.58
0.300	0.65	0.66	0.65	0.65
0.400	0.78	0.78	0.69	0.75
0.500	0.83	0.87	0.85	0.85
0.600	0.90	0.90	0.88	0.89
0.700	0.97	0.97	0.96	0.96
0.800	1.00	1.03	1.02	1.01
0.900	1.07	1.06	1.09	1.07
1.00	1.10	1.19	1.16	1.15

**Non-Linear Graph (2)**



$\sqrt{D} \propto t$