**Physics 1.1 AS 90935 Investigation leading to linear relationship**

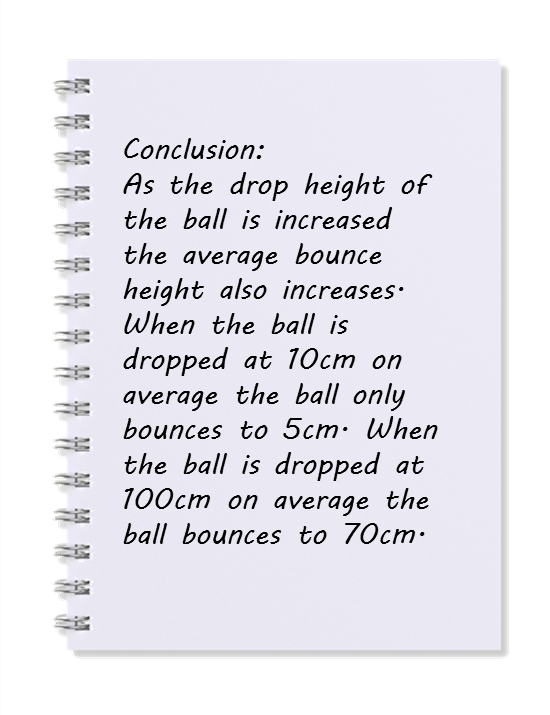


Developing a Discussion

**Success Criteria:** We know we have achieved this when we can:

* Understand the key areas needed in a discussion; reliability, accuracy, Science ideas, areas of improvement
* Define and explain 'parallax error'
* Define and explain 'zero error'

**1.** Using the information from the conclusion below write a suitable Aim, list the Independent and dependent variables as well as variables that would need to be controlled.



|  |  |  |
| --- | --- | --- |
| **Aim** | **Independent variable** | **Dependent variable** |
|  |  |  |

|  |  |
| --- | --- |
| **Controlled variable** | **How will the variable be controlled?** |
|  |  |
|  |  |
|  |  |

**2.** Accuracy: How will you ensure **parallax error** is avoided when measuring the height ball bounces?

**3.** **Accuracy:** How will you ensure **zero error** is avoided when measuring the height the ball bounces?

**4.** How was the **reliability** (the investigation can be repeated with **similar results**) ensured in this investigation? Name **TWO** key features of this investigation.