Science	Topic: Newton's Laws of Motion
Term 2 2018	

Lesson Plan

Week 8: **Lessons 1-2 Thursday (90 mins)**

Topic Details	Previous lesson (prior knowledge) We reviewed energy and finished off the worksheet.

Learning Intentions

Students will:
- How to identify dependant and independent variables in an experiment.
- When it is appropriate to and how to construct a scatter plot.
- Identify and distinguish between random and systematic errors.

Time (mins)	Teacher Activity	Student Activity	Resources
5min	Taking the Role	Coming in late, settling down.	None.
15min	Feedback on Prac Reports; specifically talking about dependant and independent variables.	Sitting and listening	Whiteboard
50min	Directing human scatterplot activity, reminding to think about errors while doing so.	Measuring each others heights, making a scatter plot (either with technology or by hand).	Worksheet, measuring tape.
10min	Directing discussion on errors.	Suggesting errors and classifying as	Whiteboard

		systematic or random	
10min	Directing post-it note activity: write down two things you learnt, and one thing you would like to learn.	Writing post-it notes and handing them up on the way out.	Post-it notes

Note: I'll print out copies of some equations of motion worksheets as well in case some students need some extension. I also have a kahoot on energy we could do if we get through everything and need to burn an extra 10min at the end of the class.

Evaluation/Assessment