

Science	Topic: Energy
Term 2 2018	Year 10

Lesson Plan

Week 9: Lesson 1-2 Thursday (90 mins)

Topic Details Revision of energy transfers and transformations, and introduction to the law of conservation of energy.	Previous lesson (prior knowledge) Students planned their practical by choosing their variables and writing both a method and a hypothesis.
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Learning Intentions

Students will:

- Complete the Bouncing Balls Practical, having collected several measurements of both initial and bounce-back height, for each of a few different values of an independent variable (ball type, ball height, surface, ball inflation, etc.)
- Have a basic understanding of the concept of energy efficiency.

Time (mins)	Teacher Activity	Student Activity	Resources
5min	Take the role	Settle down	None
15min	Demonstrate an example of calculating efficiency on the board. Go through safety ground rules: no throwing, no kicking, no basketball, be aware of your surroundings.	Listening and participating.	Whiteboard
70min	Directing practical, providing one-on-one support.	Conducting their experiments.	Balls, meter rulers, tape, task sheet,



School of Education

Senior Mathematics Curriculum and Methodology A

			scaffolding document, etc.
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Evaluation/Assessment

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