

Science	Topic: Newton's Laws of Motion
Term 2 2018	04SCI1B

Lesson Plan

Week 6: Lesson 4 Friday (40 mins)

Topic Details	<p>Previous lesson (prior knowledge) Students spent the last lesson working on their car accident prac report.</p> <p>Previous to that they have covered Newton's first and second laws.</p>
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Learning Intentions

Students will:

- Know that Newton proposed three laws of motion.
- Know that Newton's first law is "an object in motion or at rest will remain in motion or at rest unless acted upon by unbalanced forces".
- Know that Newton's second law is "Force is proportional to mass multiplied by acceleration".
- Know that Newton's third law is that "Each force has an equal and opposite reaction force".

Time (mins)	Teacher Activity	Student Activity	Resources
10	Say Hello, Mark the Role, Settle the class.	Coming in late, Settling down.	None
10	Review Newton's first and second law, show video of third law.	Sitting, listening, and participating.	Whiteboard, Slides (?), https://youtu.be/8bTdMmNZm2M
10	Introduce potential energy and conservation of energy.	Sitting, listening, and participating.	Props?



School of Education

Senior Mathematics Curriculum and Methodology A

10	Walking around helping	Writing prac reports.	None
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Evaluation/Assessment

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