



STEM Online NZ offers complete resources that cover all the learning required in the following NCEA Achievement Standards...

Science

AS90940: Mechanics (Level 1) AS91171: Mechanics (Level 2) AS91524: Mechanics (Level 3)

Mathematics

AS91028: Tables, Equations, Graphs (Level 1) AS91027: Algebra (Level 1)

TO REGISTER <u>CLICK HERE</u>



• The organisation of the resources is similar for each of these standards. To help you navigate the resources we will show how AS90940 Mechanics is set out.

STEM

Click on the images below to get started.

If your content doesn't launch immediately, check that your pop-up blocker is disabled for CANVAS.







2. Speed



Welcome to Physics

1. Introduction to Motion

3. Acceleration



4. Motion Graphs



5. Introduction to Forces





7. Pressure







10. Review



• A short video introduces the presenters.



Click on the images below to get started.

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1. Introduction to Motion

3. Acceleration



4. Motion Graphs

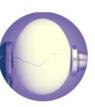


5. Introduction to Forces



6. Friction

2. Speed



7. Pressure









9. Work and Power

10. Review

- Each achievement standard starts with an overview of the key concepts and content.
- You can study these in any order you like.



Click on the images below to get started.

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• The final 'review' module contains a study guide, study notes for each section, Q & As, exam papers and useful links



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Welcome to Physics

1. Introduction to Motion

2. Speed

3. Acceleration



4. Motion Graphs



5. Introduction to Forces





7. Pressure





9. Work and Power



6. Friction

- Each concept is organised into a set of resources and activities.
- The screenshots on the following slides show the organisation for Unit 8: Energy.



Click on the images below to get started.

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Welcome to Physics

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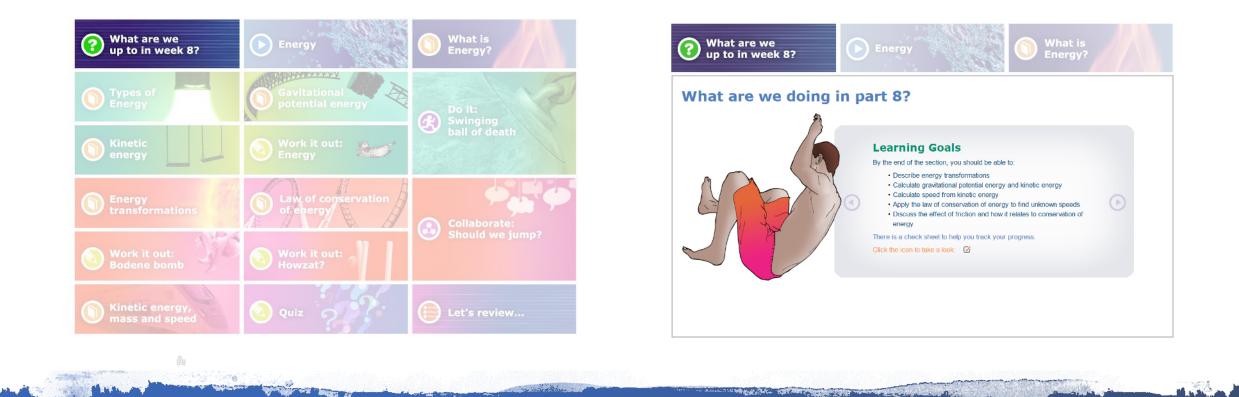








10. Review



• Each unit starts with an overview of goals and activities.

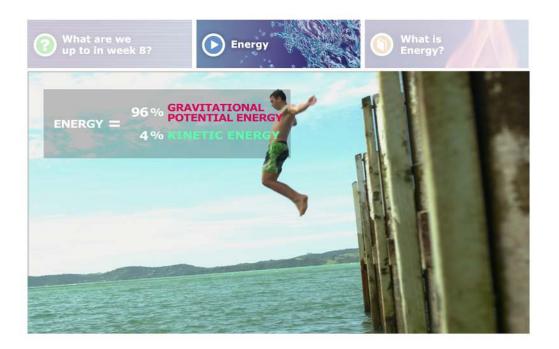
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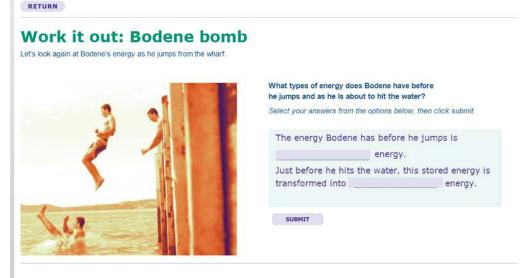


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 This is followed by an introductory video of the big idea and key concepts of the unit.

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 There are lots of practice activities that you can do in any order you like. A tick appears in each box as you complete it.

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• Real-world experiments are supported by internet resources that reinforce the concept.

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MINISTRY OF EDUCATION TE TĂHUHU O TE MĂTAURANGA

STEM Online NZ also works with the Ministry of Education to produce learning resources for the following Digital Technologies Achievement Standards...

Digital Technologies (Level 1):

AS91886: Human Computer Interaction. In English and Te Reo Māori

AS91887: Compression Coding. In English and Te Reo Māori AS91885: Search and Sort Algorithms

AS91880: Media Design

Digital Technologies (Level 2):

AS91898: Demonstrate understanding of a computer science concept

AS91899: Present a summary of developing a digital outcome

- Read more about these at the <u>TKI website</u>.
- Register by <u>clicking here</u>.

