

Designed for:	Year 10	Sub-strand(s):	Learning to learn Work skills Career development & management
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Content Descriptors:

This module covers fundamental mechanical knowledge and the ability to understand basic mechanical principles. The questions presented give several scenarios where this technical knowledge must be applied to answer questions correctly.

This resource examines comprehension rather than technical knowledge and is designed as an introduction to the QMEA Apprentice Aptitude test training program.

Context:

Mechanical reasoning development is important for individuals, and to ensure there are enough skilled technical and trades people for the future. In the resources sector, there is a need for skilled people in the areas of:

- Automation
- Engineering
- installation/maintenance/repairs
- skilled trades such as electrical, boilermaking/welding, and construction/carpentry
- equipment operations such as truck driving and heavy equipment operating.

Intent:

After students have completed more traditional questions, the short assessment activity could be presented and integrated to enable students to absorb information and problem solve. Problem solving is encountered daily in the technical and trade areas of the resources sector.

This resource examines comprehension rather than technical knowledge and is designed as an introduction to the QMEA Apprentice Aptitude Test training program.

Resource Types:

This pack of resources links to:

- Student worksheets
- Teacher Answer Sheet

About Oresome Resources:

The Oresome Resources website is a collaborative educational initiative supported by the minerals and energy industry in Australia. These resources have been developed by teachers for teachers to provide syllabus support to the key learning areas of Science, Maths, Technologies and Humanities and Social Sciences.

Each of the resources are free to use by teachers and students to assist in meeting the learning objectives and achievement of students within their studies.



Resource Name	Link	Description	Other Notes
Mechanical reasoning – student worksheet	http://www.oresomerresources.com/resource/mechanical-reasoning-student-sheet/	<p>Allows students an insight into the differences used between spoken and written English and those used in technical trade texts or on the job in technical or trade positions.</p> <p>Identifies/measures the difference between student reading levels and text skills that need to be reviewed, before attempting the apprentice aptitude tests.</p>	
Mechanical reasoning – teacher Answer sheet	http://www.oresomerresources.com/resource/mechanical-reasoning-teacher-answer-sheet/	This is the associated teacher answer sheet for the Applied Reading – Student Worksheet	

