

Programme Guidance for Education Organisations

New Zealand Certificate in Heavy Wheel Alignment (Level 4)			
Level	4	Credits	131
Assessment standards aligned with qualification outcomes			
<p>Outcome 1</p> <p>Respond to health and safety and technical issues as required to maintain a safe and effective wheel alignment workplace.</p> <p>(Credits 10)</p>	<p>29582 - Demonstrate knowledge of customer service requirements and business responsibilities in the automotive industry (Level 3, credits 4)</p> <p>31065 - Demonstrate knowledge of estimates and quotations in the automotive industry (Level 4, credits 3)</p>		
<p>Outcome 2</p> <p>Apply the appropriate precautionary measures when carrying out heavy vehicle and trailer wheel alignment procedures in a wheel alignment workshop.</p> <p>(Credits 50)</p>	<p>30885 – Demonstrate knowledge of automotive diagnostic and repair procedures (Level 3, credits 5)</p> <p>30881 – Describe automotive scan tools and oscilloscopes (Level 4, credits 5)</p> <p>30873 – Carry out diagnostic procedures using an automotive scan tool (Level 4, credits 8)</p> <p>30573 - Demonstrate knowledge of a supplemental restraint system (Level 3, credits 2)</p> <p>31062 - Demonstrate knowledge of automotive body electrical and electronic systems (Level 4, credits 6)</p> <p>30477 - Demonstrate knowledge of petrol and diesel engines (Level 3, credits 4)</p> <p>31233 - Describe automotive pneumatic principles and systems (Level 3, credits 6)</p> <p>31975 - Identify and inspect damage on a heavy vehicle or heavy trailer combination (Level 4, credits 5)</p>		
<p>Outcome 3</p> <p>Apply knowledge of diagnostic procedures in steering, suspension, braking, driveline, hydraulics, electrical and electronic systems to carry out a wheel alignment on heavy vehicles, and heavy trailers.</p> <p>(Credits 70)</p>	<p>31231 – Describe heavy vehicle and machine steering and suspension systems, and system diagnosis (Level 4, credits 4)</p> <p>31232 - Describe heavy vehicle braking systems (Level 4, credits 8)</p> <p>2316 - Describe heavy vehicle and machine driveshafts and final drives (Level 3, credits 4)</p> <p>31976 - Diagnose and record heavy vehicle driveline system faults (Level 4, credits 3)</p> <p>30566 - Demonstrate knowledge of steering and suspension systems (Level 3, credits 2)</p> <p>30571 - Demonstrate knowledge of the principles and testing of automotive electrical circuits (Level 3, credits 6)</p> <p>30880 - Describe automotive electronic components, actuators, sensors and signals (Level 3, credits 5)</p>		

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	<p>31227 - Describe heavy vehicle and machine transmissions and diagnosis (Level 4, credits 6)</p> <p>31230 - Demonstrate knowledge of common heavy vehicle or machine tyres and wheels (Level 3, credits 3)</p> <p>31276 - Demonstrate knowledge of heavy vehicle and machine hydraulic systems (Level 4, credits 6)</p> <p>31277 - Demonstrate knowledge of machine hydrostatic drive systems (Level 4, credits 3)</p> <p>31219 - Diagnose and repair heavy vehicle or machine steering and suspension system faults (Level 4, credits 8)</p> <p>24026 - Demonstrate knowledge of, and the procedure for carrying out, vehicle wheel alignment (Level 3, credits 4)</p> <p>31935 - Check and rectify wheel alignment faults on heavy vehicles and trailer units (Level 4, credits 14)</p> <p>31934 - Demonstrate knowledge of heavy vehicle and trailer wheel and chassis alignment procedures (Level 4, credits 7)</p>
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