

Curriculum Goals:

To provide the student with the opportunity to experience the work of an automotive technician to assist him/her in making an informed decision for further study and/or employment. This course is practical and experiential. The student will be given the opportunity to learn through engaging in realistic and authentic tasks.

Vocational Pathway: Manufacturing and Technology

Learner Goals and Outcomes: On completion of all unit standards in this course, the student will be able to:

1. Identify emergency procedures in the motor and related industries
2. Describe motor vehicle safe motoring requirements and general locations of systems and components
3. Demonstrate knowledge of hydraulic brake fluid, fluid replacement, and brake bleeding procedures.
4. Change the fluid and bleed a brake hydraulic system
5. Demonstrate knowledge of motorcycle, car, light and heavy commercial vehicle braking systems.
6. Demonstrate knowledge of automotive manual transmissions
7. Demonstrate knowledge of hand tools and workshop equipment for motor industry applications
8. Select and use hand tools and workshop equipment for an automotive application

Unit Standards					
Unit No	Title	Level	Credits	Version	SR/R
3856	Identify emergency procedures in the motor and related industries	3	2	9	SR
15408	Describe motor vehicle safe motoring requirements and general locations of systems and components	1	4	5	R
21689	Demonstrate knowledge of hydraulic brake fluid, fluid replacement, and brake bleeding procedures	2	2	3	SR
242	Change the fluid and bleed a brake hydraulic system	2	2	10	SR
21720	Demonstrate knowledge of motor cycle, car, light and heavy commercial braking systems	2	3	3	SR
239	Demonstrate knowledge of automotive manual transmissions	2	3	10	SR
21669	Demonstrate knowledge of hand tools and workshop equipment for motor industry applications	2	2	4	SR
21859	Select and use hand tools and workshop equipment for an automotive application	2	2	1	SR
Total DAS Credits			20		

Vocational Pathways: SR = Sector Related; R = recommended

To receive a Vocational Pathways Award, students must gain NCEA Level 2. Within the 80 credits required to achieve NCEA Level 2, 60 of these Level 2 credits must be from the recommended standards in one or more pathways, including 20 Level 2 credits from sector related standards.

Methods of Assessment: Three forms of assessment will be used

1. Written tests (students will be advised of date, time and location)
2. Simulated practical tests
3. Practical demonstrations