

### Curriculum Goals:

To provide students with the opportunity to experience the work of an automotive technician, exposing them to the various aspects of automotive work, to assist them in making an informed decision for further study and/or employment. This course is practical and experiential. Students 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 this course, the student will be able to:

1. Identify emergency procedures in the motor and related industries.
2. Identify the general locations and functions of motor vehicle systems and main components.
3. Demonstrate knowledge of petrol and diesel engines.
4. Disassemble and reassemble a single cylinder or multi-cylinder four stroke engine under supervision.
5. Demonstrate knowledge of interchanging and balancing road wheels in the motor industry.
6. Balance wheels off a vehicle in the motor industry.
7. Remove and replace road wheels on a vehicle.
8. Remove and replace motor vehicle lamps.

Unit Standards					
Unit No	Title	Level	Credits	Version	SR/R
229	Identify the general locations and functions of motor vehicle systems and main components	2	4	10	SR
3856	Identify emergency procedures in the motor and related industries	3	2	9	SR
21679	Demonstrate knowledge of interchanging and balancing road wheels in the motor industry	2	2	2	SR
21691	Disassemble and reassemble a single cylinder or multi-cylinder four stroke engine under supervision	1	2	2	R
21719	Remove and replace motor vehicle lamps	2	3	2	SR
21722	Balance wheels off a vehicle in the motor industry	2	2	1	R
21869	Remove and replace road wheels on a vehicle	2	1	4	R
30477	Demonstrate knowledge of petrol and diesel engines	3	4	1	SR
	<b>Total DAS Credits</b>		<b>20</b>		

**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 or portfolio evidence