

# Automotive

Te Kura along with provider LifeSkills Training + Education can offer you the opportunity to study Automotive.

You can achieve 12-14 credits in your own home/garage and at your own pace.

Flyer is tailored for every need!

**Kia Kaha te pātai mai?**

Feel free to email interest:

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## STARTER

*ideal pack for ākonga considering entering the motor industry*

Unit	Title	Level	Credit
21674	DKO terminology used in the motor industry	2	2
21718	DKO hazardous materials used in the motor industry	2	2
21857	Identify the occupational areas and structure of the New Zealand motor industry	2	2
29579	DKO good work habits and safe work practices in the motor industry	2	4
30476	DKO tools and equipment used in the motor industry	2	2

## ENGINES

*Introduces ākonga to the main engine principles and their components*

Unit	Title	Level	Credit
229	Identify locations and functions of motor vehicle systems and main components**	2	4
21668	DKO cleaning automotive components	2	2
21687	DKO a basic engine tune up**	2	3
21688	DKO disassembling and reassembling a four stroke multi-cylinder engine	2	3

## VEHICLE SERVICING

*Introduces ākonga to the main principles of carrying out basic servicing on cars*

<b>Unit</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
21668	DKO cleaning automotive components	2	2
21679	DKO interchanging and balancing wheels in the automotive industry	2	2
21701	DKO motor body parts and trim	2	2
30478	DKO automotive lubricants	2	2
30572	DKO vehicle or machine batteries	2	3`

## ENGINEERING

*Introduces ākonga to the main principles of automotive engineering and the use of workshop tools and equipment*

<b>Unit</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
21668	DKO cleaning automotive components	2	2
21718	DKO hazardous materials used in the motor industry	2	2
29579	DKO good work habits and safe work practices in the motor industry	2	4
30475	DKO motor industry engineering tasks**	2	2
30476	DKO tools and equipment used in the motor industry	2	2

## MOTORCYCLES

*Tailored for ākonga planning careers in the motorcycle repair industry. Please note the units below are not specific motorcycle units but contain content that is relevant to motorcycles as well as cars*

<b>Unit</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
229	Identify locations and functions of motor vehicle systems and main components**	2	4
21674	DKO terminology used in the motor industry	2	2
29579	DKO good work habits and safe work practices in the motor industry	2	4
30478	DKO automotive lubricants	2	2

## PARTS & ADMINISTRATION

Useful for ākonga planning careers in parts warehousing, parts sales and vehicle sales

Unit	Title	Level	Credit
248	Describe an apprenticeship employment agreement for the automotive industry	2	1
4261	Identify legal rights and obligations in relation to owning and operating a private motor vehicle	2	3
21674	DKO terminology used in the motor industry	2	2
21701	DKO motor body parts and trim	2	2
29579	DKO good work habits and safe work practices in the motor industry	2	4

## PANELBEATING

Tailored pack for ākonga planning careers as panel beaters or coachbuilders

Unit	Title	Level	Credit
21693	DKO tools and equipment used in the collision repair industry	2	3
21701	DKO motor body parts and trim	2	2
21718	DKO hazardous materials used in the motor industry	2	2
29579	DKO good work habits and safe work practices in the motor industry	2	4

## GENERAL WORKSHOP

Introduces ākonga to the advanced principles of workshop emergency procedures, legislation, safety systems and welding

Unit	Title	Level	Credit
3856	Identify emergency procedures in the motor and related industries	3	2
5766	DKO motor vehicle safety systems and working on damaged systems	3	4
23743	DKO general legislation and regulations in the motor industry new for 2018	3	2
30570	DKO welding in the motor industry	3	3

## TRANSMISSION / FINAL DRIVE / BRAKES

Introduces ākonga to the advanced principles of final drives, manual transmissions and brake systems

Unit	Title	Level	Credit
920	Describe the construction and operation of manual and semi-automatic transmissions	3	4
30561	DKO drivelines and final drives	3	4
30568	DKO brake systems	3	4

## PETROL SYSTEMS

Introduces ākonga to advanced principles of petrol engines, vehicle emissions and cooling systems

Unit	Title	Level	Credit
30435	DKO Vehicle Emissions	3	4
30436	DKO an electronic fuel injection system	3	2
30477	DKO Petrol and Diesel Engines	3	4
30480	DKO automotive cooling systems and engine coolant	3	2

## DIESEL SYSTEMS

Introduces ākonga to advanced principles of diesel engines, vehicle emissions and cooling systems

Unit	Title	Level	Credit
30435	DKO Vehicle Emissions	3	4
30437	DKO the operation of diesel fuel systems	3	2
30477	DKO Petrol and Diesel Engines	3	4
30480	DKO automotive cooling systems and engine coolant	3	2

## AUTO ELECTRICAL SYSTEMS

Introduces ākonga to the advanced principles of charging, starting and ignition systems

Unit	Title	Level	Credit
5766	DKO motor vehicle safety systems and working on damaged systems	3	4
30563	DKO automotive charging and starting systems	3	4
30574	DKO ignition systems	3	3

## WORK & LIFE SKILLS

Standalone units are written with an automotive focus and include key work and life skills.

Unit	Title	Level	Credit
4261	Identify legal rights and obligations in relation to owning and operating a private motor vehicle	2	3
12349	Demonstrate Knowledge Of (DKO) time management	2	3
15408	Safe motoring vehicle requirements and general locations of systems and components	2	4
21857	Identify the occupational areas and structure of the New Zealand motor industry	2	2