



**NZQA ACCREDITED
& REGISTERED PROVIDER**

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**FAIRVIEWTM
EDUCATION**

Automotive Resources



Fairview Education is a registered training provider based at Fairview Motors in Hamilton. Fairview Education provides automotive distance learning materials to schools and providers throughout New Zealand.

The Fairview Education team have established a strong reputation for supplying student friendly resources backed up with excellent customer service and support. Resources are available at levels 2 and 3 with the majority of credits counting towards automotive apprenticeships and Vocational Pathways qualifications.

Fairview Education is fully committed to supporting students in their pursuit of an automotive career.



Resources overview

FAIRVIEW EDUCATION UNITS

- 38 different units available:
20 at level 2 and 18 at level 3
- 14 automotive packs
(including mix and match options)
- Workbooks available for schools that teach automotive classes

AUTOMOTIVE PACKS

Fairview Education offers a range of automotive packs designed to suit students across motor and related workshops (each pack is worth 11 or 12 credits)

- Different marking options available
- Students can start on any of the packs (no pre-requisites)
- Packs are priced at \$310+gst which includes all marking

FAIRVIEW EDUCATION WEBSITE

Schools have access to additional supporting resources on the Fairview Education website including:

- Practice assessment papers
- Kahoot quizzes
- Option to complete workbook review questions electronically
- Revision activities
- Web links to automotive YouTube videos

NZQA EXTERNAL EVALUATION

Fairview Education is a Category 1 provider and received the following statements of confidence from NZQA during the most recent External Evaluation (2019):

- **Highly confident in Educational Performance**
- **Highly Confident in Capability in Self-Assessment**

Level Two Automotive Packs



Automotive Packs - \$310 each

Price includes all marking and excludes GST and courier

PACK 1: STARTER

Ideal pack for students considering entering the motor industry

Unit	Title	Level	Credit	Assessment
21674	DKO terminology used in the motor industry	2	2	Theory
21718	DKO hazardous materials used in the motor industry	2	2	Theory
21857	Identify the occupational areas and purpose of the NZ motor industry	2	2	Theory
29579	DKO good work habits and safe work practices in the automotive industry	2	4	Theory
30476	DKO tools and equipment used in the motor industry	2	2	Theory
Credit total			12	

PACK 2: ENGINES

Introduces students to the main engine principles and their components

Unit	Title	Level	Credit	Assessment
229	Identify the general locations and functions of motor vehicle systems and main components	2	4	Theory
21668	DKO cleaning automotive components	2	2	Theory
21687	DKO basic tuning on a four stroke petrol engine	2	3	Theory
21688	DKO disassembling and reassembling a four stroke multi-cylinder engine	2	3	Theory
Credit total			12	

PACK 3: VEHICLE SERVICING

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

Unit	Title	Level	Credit	Assessment
21668	DKO cleaning automotive components	2	2	Theory
21679	DKO interchanging and balancing wheels in the automotive industry	2	2	Theory
21701	DKO exterior and interior motor body parts in the automotive industry	2	2	Theory
30478	DKO automotive lubricants	2	2	Theory
30572	DKO vehicle or machine batteries	2	3	Theory
Credit total			11	

PACK 4: ENGINEERING

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

Unit	Title	Level	Credit	Assessment
21668	DKO cleaning automotive components	2	2	Theory
21718	DKO hazardous materials used in the automotive industry	2	2	Theory
29579	DKO good work habits and safe work practices in the automotive industry	2	4	Theory
30475	DKO motor industry engineering tasks	2	2	Theory
30476	DDKO tools and equipment used in the motor industry	2	2	Theory
Credit total			12	

PACK 5: MOTORCYCLES

Tailored for students 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

Unit	Title	Level	Credit	Assessment
229	Identify the general locations and functions of vehicle systems and main components	2	4	Theory
21674	DKO terminology used in the motor industry	2	2	Theory
29579	DKO good work habits and safe work practices in the automotive industry	2	4	Theory
30478	DKO automotive lubricants	2	2	Theory
Credit total			12	

PACK 6: PARTS & ADMINISTRATION

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

Unit	Title	Level	Credit	Assessment
248	DKO apprenticeship training agreements and negotiation	2	1	Theory
4261	Identify legal rights and obligations in relation to motor vehicle ownership and operation	2	3	Theory
21674	DKO terminology used in the motor industry	2	2	Theory
21701	DKO exterior and interior motor body parts in the automotive industry	2	2	Theory
29579	DKO good work habits and safe work practices in the automotive industry	2	4	Theory
Credit total			12	

PACK 7: PANELBEATING

Tailored pack for students planning careers as panelbeaters or coachbuilders

Unit	Title	Level	Credit	Assessment
21693	DKO tools and equipment used in the collision repair industry	2	3	Theory
21701	DKO exterior and interior motor body parts in the automotive industry	2	2	Theory
21718	DKO hazardous materials used in the automotive industry	2	2	Theory
29579	DKO good work habits and safe work practices in the automotive industry	2	4	Theory
Credit total			11	

NB. Schools can also make up a mix and match pack with a combination of any FE units worth 11 or 12 credits – refer to Pack 13 on page 6

Level Three Automotive Packs



Automotive Packs - \$310 each

Price includes all marking and excludes GST and courier

PACK 8: GENERAL WORKSHOP

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

Unit	Title	Level	Credit	Assessment
3856	DKO carrying out emergency procedures in the automotive and related industries	3	2	Theory
5766	DKO motor vehicle safety systems and damaged systems	3	4	Theory
23743	DKO general legislation and regulations in the motor industry	3	2	Theory
30570	DKO welding in the motor industry	3	3	Theory
Credit total			11	

PACK 9: TRANSMISSION / FINAL DRIVE / BRAKES

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

Unit	Title	Level	Credit	Assessment
920	DKO light vehicle manual and semi-automatic transmission construction and operation	3	4	Theory
30561	DKO drivelines and final drives	3	4	Theory
30568	DKO brake systems	3	4	Theory
Credit total			12	

PACK 10: PETROL SYSTEMS

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

Unit	Title	Level	Credit	Assessment
30435	DKO vehicle emissions	3	4	Theory
30436	DKO an electronic fuel injection (EFI) system	3	2	Theory
30477	DKO petrol and diesel engines	3	4	Theory
30480	DKO automotive cooling systems and engine coolant	3	2	Theory
Credit total			12	

PACK 11: DIESEL SYSTEMS

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

Unit	Title	Level	Credit	Assessment
30435	DKO vehicle emissions	3	4	Theory
30437	DKO the operation of a diesel fuel system	3	2	Theory
30477	DKO petrol and diesel engines	3	4	Theory
30480	DKO automotive cooling systems and engine coolant	3	2	Theory
Credit total			12	

PACK 12: AUTOMOTIVE ELECTRICAL SYSTEMS

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

Unit	Title	Level	Credit	Assessment
5766	DKO motor vehicle safety systems and damaged systems	3	4	Theory
30563	DKO automotive charging and starting systems	3	4	Theory
30574	DKO ignition systems	3	3	Theory
Credit total			11	

PACK 13: MIX AND MATCH

- Schools are welcome to put together their own packs using a combination of units
- Packs can be made up of any units with a maximum of 12 credits per pack (can include a mixture of level 2 and 3 units)
- Refer to back page of handbook for full list of units offered

WORK AND LIFE SKILLS

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

Unit	Title	Level	Credit	Assessment
4261	Identify legal rights and obligations in relation to motor vehicle ownership and operation	2	3	Theory
12349	DKO time management	2	3	Theory
15408	DKO motor vehicle documentation and primary systems of a vehicle	2	4	Theory
21857	Identify the occupational areas and purpose of the NZ motor industry	2	2	Theory
Credit total			12	



PRICING OPTIONS

Individual Automotive Unit Standards	
<p>OPTION 1</p> <ul style="list-style-type: none"> • School marks the workbooks • School marks the assessment • School reports results to NZQA using school's provider code • School is responsible for moderation, both pre and post 	\$20 per workbook
<p>OPTION 2</p> <ul style="list-style-type: none"> • Fairview Education marks workbooks • Fairview Education marks assessments • School reports results using Fairview Education provider code 	\$27 per credit
Work & Life Skills	
<p>OPTION 1</p> <ul style="list-style-type: none"> • School marks the workbooks • School marks the assessment • School reports results to NZQA using school's provider code • School is responsible for moderation, both pre and post 	\$34 per workbook
<p>OPTION 2</p> <ul style="list-style-type: none"> • Fairview Education marks workbooks • Fairview Education marks assessments • School reports results using Fairview Education provider code 	\$44 per workbook
Automotive Pack	
<ul style="list-style-type: none"> • Fairview Education marks workbooks • Fairview Education marks assessments • School reports results using Fairview Education provider code 	Per pack \$310

Prices exclude GST and postage



UNITS AVAILABLE IN 2024



Unit	Title	Level	Credit
LEVEL TWO			
229	Identify locations and functions of motor vehicle systems and main components	2	4
248	Demonstrate knowledge of (DKO) apprenticeship training agreements and negotiation	2	1
4261	Identify legal rights and obligations in relation to motor vehicle ownership and operation	2	3
12349	DKO time management	2	3
15408	DKO motor vehicle documentation and primary systems of a vehicle	2	4
21668	DKO cleaning automotive components	2	2
21672	DKO new and emerging technology in the motor industry	2	5
21674	DKO terminology used in the motor industry	2	2
21679	DKO interchanging and balancing wheels in the automotive industry	2	2
21687	DKO basic tuning on a four stroke petrol engine	2	3
21688	DKO disassembling and reassembling a four stroke multi-cylinder engine	2	3
21693	DKO tools and equipment used in the collision repair industry	2	3
21701	DKO exterior and interior motor body parts in the automotive 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
30475	DKO motor industry engineering tasks	2	2
30476	DKO tools and equipment used in the motor industry	2	2
30478	DKO automotive lubricants DKO vehicle or machine batteries	2	2
30572	DKO vehicle or machine batteries	2	3

LEVEL THREE

920	DKO manual and semi-automatic transmission construction and operation	3	4
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	3	2
30435	DKO vehicle emissions	3	4
30436	DKO an electronic fuel injection (EFI) system	3	2
30437	DKO the operation of a diesel fuel system	3	2
30477	DKO petrol and diesel engines	3	4
30480	DKO automotive cooling systems and engine coolant	3	2
30560	DKO clutches and manual transmissions	3	3
30561	DKO drivelines and final drives	3	4
30563	DKO automotive charging and starting systems	3	4
30565	DKO an automotive air conditioning system	3	4
30566	DKO steering and suspension systems	3	2
30568	DKO brake systems	3	4
30570	DKO welding in the motor industry	3	3
30571	DKO the principles and testing of automotive electrical circuits	3	6
30574	DKO ignition systems	3	3