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:

**Ces Lowe,** Secondary / Tertiary Adviser

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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 |

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| 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 |

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| VEHICLE SERVICING | | | |
| *Introduces ākonga to the main principles of carrying out basic servicing on cars* | | | |
| **Unit** | **Title** | **Level** | **Credit** |
| 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` |

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| ENGINEERING | | | |
| *Introduces ākonga to the main principles of automotive engineering and the use of workshop tools and equipment* | | | |
| **Unit** | **Title** | **Level** | **Credit** |
| 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 |

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| 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* | | | |
| **Unit** | **Title** | **Level** | **Credit** |
| 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 |

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| 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 |

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| 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 |

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| 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 |

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| 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 |

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| 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 |

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| 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 |

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| 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 |

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| 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 |