

8 Ngā pakihi o mua Early enterprise

Rangatahi activity: Early enterprise cards

Cartographer

Cartographer and photogrammetrist

A cartographer is someone who makes maps. In the past, cartographers gathered, interpreted and analysed information about the land and environment to make it easier for people to live, work, travel and run their businesses. Today we use an increasing amount of smart technology to thrive in our changing environment.

Here are some jobs you could do if you are interested in maps and how we live in different locations and environments:

- Environmental and smart-city planners
- Geographic Information Specialist (GIS) analysts, GPS designers and technicians
- Planetary cartographers (space mapping)
- Iwi geographic data ethics lawyers, analysts, scientists, engineers, researchers
- Disaster response and humanitarian geographic information researchers, designers, analysts, leaders

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Warrior

Emergency, police and defence

Warriors of the past needed to be fit and able to move stealthily. They were skilled at using various weapons and had qualities like loyalty, courage and leadership. They were committed to using their physical capabilities and skills to achieve a collective goal.

Today and in the future we will continue to need people to actively engage with others to overcome challenges and forge new pathways in roles such as:

- Military, security and police officers, leaders and recruitment trainers
- Emergency and search and rescue officers and commanders
- Physical performance and outdoor resilience trainers (land, sea and space)
- Space navigators, explorers
- Defence simulation strategists

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Kapa haka performer

Te ao haka specialist

Māori kapa haka performance continues to develop and grow in popularity throughout Aotearoa and the world. Skilled performers are agile, creative and disciplined practitioners who entice and entertain their audiences with subtle nuance and precise athleticism.

If you enjoy kapa haka you may be able to use your skills to work in the following areas:

- Tourism professionals
- Virtual arts performance designers
- Content presenters and producers
- Cultural arts curators
- Marketing and communications producers
- International ambassadors

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Chief

Iwi chief executive

While the mana of our tūpuna rangatira may have come from their whakapapa, these leaders also had the other skills and qualities their role demanded, such as a deep knowledge of their people and their whenua. They were strategic thinkers, negotiators and decision-makers who had a strong sense of purpose and responsibility for others.

Leaders are needed in every area and endeavour of our lives. Their jobs may include:

- Indigenous governance leaders
- Māori business leaders and directors
- Māori environmental strategists
- Civil defence chiefs
- Metaverse community leaders
- Food sustainability directors

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Flax dealer

Sustainability specialist

As well as practical flax growing and harvesting knowledge, flax dealers were shrewd negotiators and traders who knew their market and skilfully managed their workers and the manufacturing of their product.

Their skills align with a number of jobs of today and in the future such as:

- Local and regional sustainable food and textile producers
- E-commerce business directors and entrepreneurs
- Sustainable agriculture scientists
- Fair trade importers and exporters
- Ethical AI developers
- Kaitiaki ranger

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Whaler

Marine engineer

Whalers worked as a crew on the ocean, sometimes in dangerous conditions, to capture and process whales for sale or trade. They had to be strong, know the sea and understand how whales lived and moved in the ocean.

Today we might use the kinds of skills and knowledge they had to work as:

- Marine biologists
- Ocean data scientists
- Marine robotics designers
- Marine pollution reduction engineers
- Fisheries food security planners
- Aquaculture farmers

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Tour guide

Tour guide

Tour guides are important navigators that help visitors have a meaningful and enjoyable experience. They have a love of people and the places and experiences they share. Today and in the future there will be many ways to experience our changing world.

The kinds of jobs in this area will include:

- Virtual tour operators
- Eco-tourism managers
- Outdoor experience instructors
- Immersive experience navigators
- Cultural and historical tour interpreters

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Crop farmer

Crop farmer and manager

Food farmers of the past needed to understand things like soil health, weather patterns and pest control. They used the simple tools they had to grow and distribute food. Today we develop technologies to gather and interpret information to ensure ongoing production and distribution of food.

Jobs in this field include:

- Food distribution coordinators
- Precision agriculture technicians (using drones and GPS technology to monitor crops and soil conditions)
- Horticultural adaptation engineers (designing solutions for crop production)
- Local and regional market gardeners

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Builder

Carpenter

Builders had practical skills, knew how to use simple tools and understood structural engineering to ensure buildings were safe and durable.

Jobs today and in the future which need these kinds of skills include:

- Green building construction workers
- Smart home technology engineers and designers
- Waste material repurposing and recycling operators
- Restoration builders
- Climate resilient construction managers

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Tohunga

Rongoā practitioner

There were many kinds of tohunga in the times of our ancestors. These people were called upon to produce beautifully crafted waka, to heal people, or to preserve and transmit important knowledge. It takes many hours of commitment and dedication to become an expert in any field.

There are technologies available to assist those who wish to become a tohunga in their chosen field today in jobs such as:

- Virtual reality counsellors
- Precision health practitioners (using customised technology to diagnose and treat health conditions)
- Extreme environment community leaders
- Iwi cultural archivists
- Immersive arts creators

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