

<b>Title</b>	<b>Apply design knowledge to the design of residential kitchens</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>40</b>

<b>Purpose</b>	<p>This unit standard is intended for those working in residential kitchen design and planning.</p> <p>People credited with this unit standard are able to apply design knowledge to the design of residential kitchens.</p>
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<b>Classification</b>	Design > Kitchen and Bathroom Design
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Assessment

This unit standard is one of a family of unit standards intended to align with the *New Zealand Diploma in Design (Kitchen Design/Bathroom Design/Light Commercial Design) (Level 5) – Specifications* and the *New Zealand Diploma in Design (Level 5)* with strands in Kitchen Design, and Bathroom Design (with optional strand in Light Commercial Design) [Ref: 3221].

The assessor must be confident that the candidate can apply the skills and knowledge included in this unit standard to the level, scope and complexity required to support the achievement of related skills included in the *Specifications*. The overarching level of performance for this family of unit standards is professional competence as a residential kitchen designer.

Professional competence requires the candidate to be capable of consistently performing the requirements of the skill specification in the context of residential kitchen design:

- to current regulatory, industry best practice, and commercial standards, including:
  - Health and Safety at Work (General Risk and Workplace Management) Regulations 2014, available from [www.legislation.govt.nz](http://www.legislation.govt.nz);
  - The New Zealand Building Code, available from [www.building.govt.nz](http://www.building.govt.nz);
  - Homes without barriers: A guide to accessible houses* (Wellington: BRANZ, 2001), available from [www.branz.co.nz](http://www.branz.co.nz)
- to the ethical and professional expectations of industry and consumers
- while working autonomously
- in dynamic and varied contexts.

Evidence for assessment must include a minimum of two kitchen design projects for new or existing residential dwellings.

## 2 Definitions

*Client* refers to the party for which the design is created.

*Design brief* refers to the document that outlines the plan for a design project.

*Design concept* refers to a collection of ideas to support the final design, including images and illustrations.

*Design statement* refers to a written summary of the final design.

*Design theme* refers to various elements that make up a recurring look within a design.

*Manaakitanga* is a Te Ao Māori value that is realised by providing hospitality, generosity, and mana-enhancing behaviours and practices for the care of people, whānau, hapū, iwi, and the community.

*Professional standard* refers to an industry-accepted standard appropriate to the task undertaken.

*Whanaungatanga* is a Te Ao Māori value that is realised by connecting, fostering, and maintaining relationships based on respect, integrity, and understanding for the benefit of all.

## 3 Reference

*New Zealand Diploma in Design (Kitchen Design/Bathroom Design/Light Commercial Design) (Level 5) – Specifications*, Waihanga Ara Rau, April 2016, available from <https://www.waihangaararau.nz/qualifications-and-programme-endorsements/programme-guidance-documents-for-providers-developing-programmes>.

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## Skill specification and performance level guidance

### Skill specification

Apply design knowledge to the design of residential kitchens.

### Knowledge

Design principles and elements, their purpose, use, and application to kitchen design.

Types of drawings and their functions.

Terminology and abbreviations, and drawing conventions used in kitchen design sketches and drawings.

Colour principles and their application to kitchen design.

Different materials used in kitchens and their impact on the chosen design theme.

Spatial design and ergonomics of relevance to the client, their application to, and their impact on kitchen design.

Range food flow sequence, work triangle, main appliances, fixtures and fittings, landing spaces and storage requirements, major kitchen components, access, consideration of both manaakitanga and whanaungatanga.

Different types of kitchen layouts and their impact on design.

Mechanical plans used in kitchens, their function and efficiency, and their impact on design.

Range extraction and ducting, electrical, lighting, and plumbing services; may include gas fittings.

The purpose and key components of both a design brief and design statement.

### Skills

Develop design briefs for kitchen design projects.

Apply design knowledge and present design concepts to meet relevant design brief parameters in everyday kitchen design contexts.

Range design concepts include – supporting documentation, sketches, recommendations, design statements, amendments to the plan.

Create working drawings to a professional standard for kitchen design projects.

Range fully dimensioned floor plan and elevations, mechanical plans, other information as required to construct the design.

### Performance level guidance

The level of performance must reflect current industry legislation, regulations, codes, standards, and best/good practice guidelines relevant to residential kitchen or bathroom design.

<b>Planned review date</b>	31 December 2028
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 November 2018	31 December 2025
Review	2	29 June 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

### Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.