

<b>Title</b>	<b>Hand turn wood to produce furniture articles</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe the wood lathe and turning tools used to produce furniture articles; demonstrate and apply knowledge of preparing to hand turn wood to produce furniture articles; and hand turn wood to produce furniture articles.
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<b>Classification</b>	Furniture > Furniture and Cabinet Making
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 **Assessment information**  
This unit standard may be assessed against on-job or off-job.  
All activities and performance criteria must be carried out in accordance with worksite policies and procedures.
- 2 **Range**  
Competence must be demonstrated for a one-off article of furniture or craft piece. Examples may include but are not limited to – mug tree, paper towel holder, mortar and pestle, lamp stand, table column.
- 3 **Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with manufacturer’s instructions.**
- 4 **Definitions**  
*Manufacturer’s instructions* are instructions provided by manufacturers of substances, equipment, and machinery used in furniture making. These instructions may include details on safe and correct handling, use and storage of substances and/or details on substance properties. Examples are labels on substance containers, product data sheets, and operator’s manuals.  
*Worksite policies and procedures* refer to documented policies and to documented or other directions provided to staff. These may include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor’s instructions. For the purposes of this unit standard worksite policies and procedures may also refer to the policies and procedures of an off-job training site.

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## Outcomes and performance criteria

### Outcome 1

Describe the wood lathe and turning tools used to produce furniture articles.

#### Performance criteria

- 1.1 Parts of the wood lathe are described in terms of their function and safe operation.
- Range head stock, tail stock, tool rest, lathe bed, driving spurs, revolving centres, pulleys.
- 1.2 Turning tools and measuring equipment are described in terms of function.
- Range chisels, gouges, scrapers, parting tool, dividers, callipers, ruler.

### Outcome 2

Demonstrate and apply knowledge of preparing to hand turn wood to produce furniture articles.

#### Performance criteria

- 2.1 Job specifications are obtained and interpreted.
- Range material, dimensions, shape or template.
- 2.2 Material is selected in accordance with job specifications.
- 2.3 Tools and equipment are selected to produce the required shapes in accordance with job specifications.
- Range turning tools, marking and measuring equipment.
- 2.4 Maintenance and safe storage of turning tools are explained in accordance with tool manufacturer's instructions.
- 2.5 Environmental and safety requirements are met.
- Range electrical power, lighting, ventilation, dust extraction.

### Outcome 3

Hand turn wood to produce furniture articles.

#### Performance criteria

- 3.1 Machine is operated in accordance with manufacturer's instructions.
- Range speed, secure stock, tool rest.

- 3.2 Tools are manipulated to shape wood using between centre turning techniques in accordance with job specifications.
- 3.3 Tools are manipulated to turn wood using face plated or chuck mounted turning techniques in accordance with job specifications.
- 3.4 Dimensions and shape of output are checked during the turning process using either callipers, sizing tool or template in accordance with job specifications.
- 3.5 Tool and machine setting adjustments are made to rectify any out of specification materials.
- 3.6 Surface of stock is smoothed using tools in accordance with job specifications.  
Range chisel, sandpaper.
- 3.7 Machine and work area are made clean, clear, and safe.

<b>Planned review date</b>	31 December 2024
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2003	31 December 2012
Review	2	19 June 2009	31 December 2012
Revision	3	21 July 2011	N/A
Review	4	10 December 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0173
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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 Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.