

Assessment Schedule

US 24360 (v3) - Demonstrate knowledge of timber and other construction materials used in BCATS projects (Level 2, Credit 5)

Outcome 1	Demonstrate knowledge of types and structure of timber.	Assessment evidence and judgement
PC 1.1	Types of timbers are described.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing knowledge of indigenous, exotic, imported, hardwood, and softwood is correct.
PC 1.2	The parts and structure of a tree are identified.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing identification of bark, cambium layer, sapwood, heartwood, growth rings, and knots is correct.
PC 1.3	The strength and working qualities of sawn timber boards are described.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing description of the strength and working qualities of tangential and quarter sawn timber is correct.
Outcome 2	Demonstrate knowledge of common defects in timber.	Assessment evidence and judgement
PC 2.1	Common structural defects in timber are explained.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing explanation of structural defects (knots, splits, checks, warps) in timber is correct.
PC 2.2	Common forms of insect and fungal attack are identified and described in terms of the resulting deterioration of timber.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing description of insect and fungal attack, including common house borer, wet rot, on timber is correct.
PC 2.3	Common environmental causes of timber deterioration are identified and described in terms of the resulting deterioration of the timber.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing description of environmental causes on timber deterioration is correct.
Outcome 3	Demonstrate knowledge of the conversion, treatment, handling and storage of timber.	Assessment evidence and judgement
PC 3.1	The process of conversion is described.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing description of the process of conversion, including rough sawn and dressed, is correct.
PC 3.2	Methods of seasoning of timber are described.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing description of air and kiln drying timber is correct.
PC 3.3	Types of preservation treatment for building timbers are described and the applications of each are explained.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing knowledge of: Boron salts, Copper Chrome Arsenate, and Light Organic Solvent Preservatives are correct.
PC 3.4	Safe working and handling procedures when working with timber are explained.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing explanation of safe working and handling procedures is correct.
PC 3.5	Basic storage and care of timber is explained.	<ul style="list-style-type: none"> Evidence gathered from Knowledge Assessment Sheet showing explanation of basic storage and care of timber is correct.
Outcome 4	Demonstrate knowledge of other construction materials used in BCATS projects. Range: at least three other construction materials.	Assessment evidence and judgement <i>These three construction materials do not include timber.</i>
PC 4.1	The structural properties and basic uses of the materials are explained.	Evidence gathered from Knowledge Assessment Sheet showing:
PC 4.2	Safe working and handling procedures for the materials are explained.	<ul style="list-style-type: none"> explanation of the structural properties and uses of 3 construction materials is correct
PC 4.3	Basic storage and care of the materials are explained.	<ul style="list-style-type: none"> explanation of the safe working and handling procedures for 3 construction materials is correct explanation of the storage and care of 3 construction materials is correct.