

### Unit 3 Performance of Woods PLC

Topic Area	RAG Before Taught	RAG After Taught	RAG after Assessment	RAG after revising	RAG after Mocks
Can you name specific materials for a wide range of applications					
Are you able to provide detailed and justified explanations of why woods are suitable for given applications, with reference to: • physical and mechanical properties (working characteristics) • product function • aesthetics • cost • manufacture and disposal.					
Do you know and understand the classifications of woods and are able to name examples					
Can you describe how workshop and industrial tests are set up and what will be tested, measured and compared, including: • tensile strength • toughness • hardness • malleability • corrosion • conductivity.					
Are you able to describe how workshop and industrial tests are set up and what will be tested, measured and compared, including: • tensile strength • toughness • hardness • malleability • corrosion • conductivity.					
Can you describe of the different stock forms of timber, including: • rough sawn • planed square edge (PSE) • planed all round (PAR) • natural timber • manufactured boards • mouldings.					
Are you able to describe the performance characteristics of woods, including: • grain pattern • grain direction • surface defects • warpage • shrinkage • splitting • joining • forming • steam bending • laminating • machining qualities • resistance to decay • moisture resistance • toxicity					
Are you able to explain the properties of the following woods and wood products: • softwoods: • pine • spruce • Douglas fir • redwood • cedar • larch • hardwoods: • oak • ash • mahogany • teak • birch • beech • manufactured boards: • plywood • marine plywood • aeroply • flexible plywood • chipboard • medium density fibreboard (MDF) • veneers and melamine formaldehyde laminates.					