

CONSTRUCTION AND MECHANICAL TECHNOLOGIES: CONSTRUCT A TEXTILES PRODUCT

Construct a textile material's product requires students to implement techniques and procedures and tests to make specified products using textile materials

Textile materials refer to a group of materials that are commonly grouped together because they show certain common characteristics. These materials include but are not limited to natural and synthetic fibres, yarns, knits and woven fabrics. Constructing using textile materials require particular techniques and procedures to be undertaken to enable materials to be skilfully and safely measured, cut, shaped, joined and finished to make quality products. Advanced and complex techniques are required to craft special features of a high standard in a product and rely on the consistent application to achieve a desired effect. Special features, structural, style and/or decorative, include such things as set in sleeve, fly front, tailored collars and cuffs, welt pocket, embroidering, shirring. Complex procedures include but are not limited to: joining materials with different properties, for example jacket shell and lining; changing the characteristics of the materials for example interfacing, interlining, boning, applied design; managing special fabrics, for example fine knits, sheers, satins; or designs cut on the bias.

Initially students learn to perform basic procedures by implementing a given sequence of techniques and tests to make a quality textile product that meets specifications. Students should progress to performing complex procedures that require them to select and perform at least two techniques involving different types of materials.

	LEVEL 6	LEVEL 7	LEVEL 8
LO	<i>Implement basic procedures to make a textiles product</i>	<i>Implement advanced procedures to make a textiles product</i>	<i>Implement complex procedures to make a textiles product</i>
TEACHER GUIDANCE	<p>To support students to implement basic procedures to make a textiles product, at level 6, teachers could:</p> <ul style="list-style-type: none"> • Ensure students are aware of a wide range of basic measuring, cutting, shaping, joining and finishing techniques. • Ensure students are able to interpret job sequences from step-by-step instructions and understand the tests required to check progress when constructing products that will ultimately meet specifications. • Ensure students have an appropriate environment, tools and materials to enable students to work safely with textile materials to make a product. • provide opportunity for students to explore and discuss techniques and tests in terms of skilfulness and efficiency • Provide opportunity to explore what techniques are most suitable for use with a variety of textile materials • Provide students with the opportunity to practice a range of basic techniques on different textile materials and carry out appropriate checks to increase accuracy and finish. This may be through completing a range of individual products and/or joint class projects. 	<p>To support students to implement advanced procedures to make a textiles product, at level 7, teachers could:</p> <ul style="list-style-type: none"> • Ensure students are aware of a wide range of measuring, cutting, shaping, joining and finishing techniques. • Provide students with the opportunity to discuss what is meant by advanced procedures. That is procedures that require the student to make informed selection and scheduling of techniques and testing to make the product and undertaking evaluative tests to demonstrate the final product meets specifications. • Provide opportunity for students to explore and discuss advanced procedures in terms of skilfulness and efficiency • Ensure students have an appropriate environment, tools and materials to enable students to work safely with textile materials to make a product. • Provide opportunity to explore what techniques are most suitable for use with a variety of textile materials • Provide students with the opportunity to schedule and practice a range of techniques and tests to develop quality products. This may be through completing a range of individual products and/or joint class projects. 	<p>To support students to implement complex procedures to make a textile materials product, at level 8, teachers could:</p> <ul style="list-style-type: none"> • Support students to be aware of a wide range of measuring, cutting, shaping, joining and finishing techniques. • Provide students with the opportunity to discuss what is meant by complex procedures, i.e. procedures that require the student to make informed selection and scheduling of at least two techniques and testing to make a product that incorporates two or more materials. • Provide students with examples of complex procedures; support them to trial a range of these and discuss them in terms of skilfulness and efficiency. • Support students to undertake evaluative tests to demonstrate the final product meets specifications • Support students to explore and discuss complex procedures in terms of skilfulness and efficiency. • Ensure students have an appropriate environment, tools and materials to enable students to work safely with textile materials to make a product. • Support students to schedule and practice a range of techniques and tests to develop quality products. This may be through completing a range of individual products and/or projects/activities.
INDICATORS	<p>Students can:</p> <ul style="list-style-type: none"> • undertake basic procedures to construct a product that meets specifications • apply given techniques and tests in a way that complies with relevant health and safety regulations • show independence and accuracy in the execution of basic techniques and tests • perform basic techniques and tests in a manner that economises time, effort and materials. 	<p>Students can:</p> <ul style="list-style-type: none"> • undertake advanced procedures to construct a product with special features that meets specifications • select and apply scheduled techniques to comply with relevant health and safety regulations. • show independence and accuracy in executing the scheduled techniques and tests • undertake techniques and tests in a manner that economises time, effort and materials. 	<p>Students can:</p> <ul style="list-style-type: none"> • undertake complex procedures to construct a product that meets specifications • use sampling and feedback to inform the selection of techniques when making products. • develop and apply an order of construction to make a product • undertake appropriate tests to demonstrate that a final product meets specifications • undertake techniques, tests and processes in a manner that economises time, effort and materials, and complies with relevant health and safety regulations.
AS	<p>AS91058 Construction and Mechanical Technologies 1.21 <i>Implement basic procedures using textile material to make a specified product</i></p>	<p>AS91345 Construction and Mechanical Technologies 2.21 <i>Implement advanced procedures using textile material to make a specified product with special features</i></p>	<p>AS91621 Construction and Mechanical Technologies 3.21 <i>Implement complex procedures using textile material to make a specified product</i></p>
	Level 1 Construction & Mechanical standards & assessment resources	Level 2 Construction & Mechanical standards & assessment resources	Level 3 Technology achievement standards & assessment resources DRAFT