



Australian Government

BSBDES303 Explore and apply the creative design process to 3D forms

Release: 1

BSBDES303 Explore and apply the creative design process to 3D forms

Modification History

Release	Comments
Release 1	This version first released with BSB Business Services Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to explore and creatively apply the design process to the development of three-dimensional (3D) forms.

It applies to individuals who work under supervision and apply an understanding of the design process using discretion and judgement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Design – Design Process

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1 Source information on 3D design	1.1 Identify and access relevant sources of information on 3D design 1.2 Evaluate and collate information to build knowledge of 3D design
2 Explore the creative design process for 3D forms	2.1 Use creative thinking techniques to generate a range of ideas and options 2.2 Use experimentation to explore and challenge a range of different ideas 2.3 Challenge assumptions, reflect on ideas and refine approaches 2.4 Consciously change perspective, and evaluate ideas and

ELEMENT	PERFORMANCE CRITERIA
	situations in new ways
3 Communicate concepts or ideas through application of design processes to 3D forms	3.1 Investigate and reflect on how a particular concept or idea might be communicated in 3D form 3.2 Select materials, tools and equipment relevant to the realisation of the concept or idea 3.3 Apply a creative design process to produce a range of 3D concept realisations 3.4 Reflect on own application of design process and success in communicating the concept or idea 3.5 Seek and obtain feedback from others about the 3D form and its success in communicating the concept or idea 3.6 Present and store concept realisations or samples in a format which takes account of the need for professional presentation and the work's potential value for future jobs

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 3.1	Interprets textual information from relevant sources to determine and adhere to requirements
Writing	2.1, 3.6	Produces a range of text types using appropriate vocabulary, grammatical structure and referencing conventions
Oral Communication	2.1-2.3, 3.5	- Participates in verbal exchanges using vocabulary, style and tone appropriate to audience - Uses listening techniques to clarify understanding
Numeracy	3.1, 3.3, 3.5	Performs mathematical calculations required to produce 3D concept designs
Get the work done	1.1, 1.2, 2.1-2.4, 3.1-3.4, 3.6	- Plans and organises tasks required to achieve outcomes - Identifies ideas in use in other contexts and considers how they might be applied in own context - Selects and adopts new ideas to improve a process in immediate work context - Takes responsibility for routine low-impact decisions

		within familiar situations • Evaluates effectiveness of decisions on how well they meet stated goals
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
BSBDES303 Explore and apply the creative design process to 3D forms	BSBDES303A Explore and apply the creative design process to 3D forms	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=11ef6853-ceed-4ba7-9d87-4da407e23c10>

Assessment Requirements for BSBDES303 Explore and apply the creative design process to 3D forms

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Performance Evidence

Evidence of the ability to:

- produce a range of samples or concept realisations which demonstrate creative thinking techniques and experimentation processes based on available resource materials for three-dimensional (3D) forms
- review own work to determine future improvements.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- identify creative thinking techniques that can be used as part of the design process
- describe the elements and principles of design as applied to 3D forms
- list materials, tools and equipment required for the design of 3D forms in the relevant work context
- describe the notion of individual interpretation and choice within the design process
- explain the particular challenges and issues in the design of 3D forms
- outline the relationships between form and space.

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in the design process field of work and include access to the materials, resources and equipment needed to apply design processes to 3D forms.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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