

EXAMINATIONS COUNCIL OF ESWATINI Eswatini General Certificate of Secondary Education

DESIGN AND TECHNOLOGY

6902/01

Paper 1 Design

October/November 2019

1 hour 15 minutes

Confidential

MARK SCHEME

{6902/01}

MARKS: 50

This document consists of 4 printed pages.

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[Turn over

1	ì	Accept any four additional suitable points – resists water, hygienic, easy to access, sections labelled, matches kitchen style, stable in use, etc. No rep 1 x 4		on. [4]
		Accept sketches of any two suitable joints – halving, through/stopped hounard soldering, dowel, plastic adhesives dovetail, etc. 2 x 2	ısing, riveting,	butt [4]
	(c)	Any suitable ideas. At least three different ideas for maximum marks. Pro	rata if fewer.	
		Communication Simple drawings displaying a low standard or limited range of techniques 0 - 2 Clear drawings displaying a good standard and a range of techniques –		
	:	shading / colour / annotation etc. High quality drawings using a wide range of techniques with clear	3 - 4	
	;		5 - 6	
		Rather more detail, sensible solutions that could work	0 - 2 3 - 4 5 - 6	[12]
	(d)		0 - 6 2	[8]
	(e)	Good line work, use of colour, proportions, some detail High standard throughout with a range of techniques that show	1 2 - 3 4	
		Dimensions 2 or 3 overall dimensions only (1) Additional detail dimensions (2)	2	
	1	Construction details A simplistic approach showing little or no detail of construction to be used	0 - 2	
		Most constructional detail may be obvious from overall views or with some annotation	3 - 4	
		All constructional detail will be clear with good annotation and additional detail drawings as necessary	5 - 6	[12]
	(f)		2 2	[4]
	(g)	Good detailed description of: processes	1 3 2	[6]

[Total: 50]

0	Accept any four additional suitable points – appeals to pupils, compact, standard, school colours, school name, hold items securely, etc. No repeats uestions.		[4]		
	Accept sketches of any two suitable joints - glue tabs, slide-in corner sect Velcro, staples, tape, etc.	tions, slots, 2 x 2	[4]		
	Any suitable ideas. At least three different ideas for maximum marks. Profewer.	o rata if			
(/ -	Communication Simple drawings displaying a low standard or limited range of techniques 0 - 2 Clear drawings displaying a good standard and a range of techniques - shading / colour / annotation etc. 3 - 4 High quality drawings using a wide range of techniques with clear annotation and detail 5 - 6				
	Suitability Simplicity designs showing outlines only Rather more detail, sensible solutions that could work Accurate solutions, good fitness for purpose, detailed construction	0 - 2 3 - 4 5 - 6	[12		
(d)	Evaluation of each of the ideas. At least 3 evaluations up to 2 marks each Selection and justification (1 + 1)	0 - 6 2	[8]		
(e)	Quality of drawing Poor line quality, proportions, little detail Good line work, use of colour, proportions, some detail High standard throughout with a range of techniques that show clearly all detail	1 2 - 3 4			
	Dimensions 2 or 3 overall dimensions only (1) Additional detail dimensions (2)	2			
	Construction details A simplistic approach showing little or no detail of construction to be used Most constructional detail may be obvious from overall views or with some annotation All constructional detail will be clear with good annotation and additional detail drawings as necessary	0 - 2 3 - 4 5 - 6	[12		
(f)	Suitable specific materials stated Appropriate reason for choice	2 2	[4]		
(g)	Suitable method stated Good detailed description of: processes tools	1 3 2	[6]		

[Total: 50]

2

3		•	r additional suitable points - easy to assembly, lightweight, ach net, holds net tightly etc. No repeats of question.	stable in 1 x 4	[4]
		. ,	o suitable attachments - eye pins, pulleys, sleeves, nut , crank, rack and pinion gears, etc.	2 x 2	[4]
		Any suitable id Pro rata if fewe	eas. At least three different ideas for maximum marks.		
	(gs displaying a low standard or limited range of techniques	0 - 2	
	5	Clear drawings displaying a good standard and a range of techniques - shading / colour / annotation etc. High quality drawings using a wide range of techniques with clear annotation and detail	3 - 4		
			5 - 6		
		Suitability	signs showing outlines only	0 - 2	
			detail, sensible solutions that could work	3 - 4	
			utions, good fitness for purpose, detailed construction	5 - 6	[12]
	(d)		each of the ideas. At least 3 evaluations up to 2 marks		
		each	d justification (1 + 1)	0 - 6 2	[8]
	(e)	Good line wo	ality, proportions, little detail ork, use of colour, proportions, some detail d throughout with a range of techniques that show	1 2 - 3 4	
	[Dimensions	2 or 3 overall dimensions only (1) Additional detail dimensions (2)	2	
	(Construction (details		
	A L	A simplistic appused	mplistic approach showing little or no detail of construction to be	0 - 2	
		lost constructional detail may be obvious from overall views or with	-		
		some annotation		3 - 4	
		All constructional detail will be clear with good annotation and additional detail drawings as necessary	5 - 6	[12]	
	(f)	-	ific materials stated eason for choice	2 2	[4]
	(g)	Suitable meth	od stated	1	
			description of: processes	3	
			tools	2	[6]

[Total: 50]