

26 Carpentry

WorldSkills Standards Specification

Section	WSSS Marks
1	Safe work, organization and management
2	Business, communication, and interpersonal skills
3	Problem solving, innovation, and creativity
4	Reading and interpreting drawings and written instructions
5	Setting out and measuring
6	Forming joints and preparing members for assembly
7	Assembling project
8	Finishing

Criteria

ID	Name
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A	Interior Joints
B	Dimensions
C	Exterior Joints
D	Neatness of finish, cleanness
E	Deductions
F	
G	
H	
I	

Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
A1	Quality of Interior joints for Module 1	1	J	Quality of surfaces See Doc WSC2019 26J	0 1 2 3
			J	Quality of joint internal corners (over-cutting) See Doc WSC2019	0 1 2 3
A2	Quality of Interior joints for Module 2	3	J	Quality of flat faces See Doc WSC2019 26J	0

A3	Quality of Interior joints for Module 3	4	J	Quality of joint internal corners (over-cutting) See Doc WSC2019	1 2 3 0 1 2 3
			J	Quality of flat faces See Doc WSC2019 26J	0 1 2 3
			J	Quality of joint internal corners (over-cutting) See Doc WSC2019	0 1 2 3
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
B1	Dimensions Accuracy of Module 1	2	M M M M M M M M M M M M M	B1.1 B1.2 B1.3 B1.4 B1.5 B1.6 B1.7 B1.8 B1.9 B1.10 B1.11 B1.12	

B2	Dimensions Accuracy of Module 2	3	M	B1.13		
			M	B1.14		
			M	B1.15		
			M	B1.16		
			M	B1.17		
			M	B2.1		
			M	B2.2		
			M	B2.3		
			M	B2.4		
			M	B2.5		
B3	Dimensions Accuracy of Module 3	4	M	B2.6		
			M	B2.7		
			M	B2.8		
			M	B2.9		
			M	B2.10		
			M	B3.1		
			M	B3.2		
			M	B3.3		
			M	B3.4		
			M	B3.5		
			M	B3.6		
			M	B3.7		
			M	B3.8		
			M	B3.9		
			M	B3.10		
			M	B3.11		
			M	B3.12		
			M	B3.13		
			M	B3.14		
			M	B3.15		
			M	B3.16		
			M	B3.17		

D2	Neatness of finish Module 2	3	J	D1.4 Clean Surfaces Marks and stains See Doc WSC2019 26J	0
					1
					2
					3
			J	D1.5 Depth/size / neatness of screws and fasteners	0
D3	Neatness of finish Module 3	4			1
					2
					3
			J	D2.1 All members in place See Doc WSC2019 26J	0
					1
					2
					3
			J	D2.2 Flat surfaces See Doc WSC2019 26J	0
					1
					2
					3
			J	D2.3 Flat accurate backing bevels See Doc WSC2019 26J	0
					1
					2
					3
			J	D2.4 Clean Surfaces Marks and stains See Doc WSC2019 26J	0
					1
					2
					3
			J	D2.5 Depth/size / neatness of screws and fasteners See Doc WS	0
					1
					2
					3
			J	D3.1 All members in place See Doc WSC2019 26J	0

			J	D3.2 Flat surfaces See Doc WSC2019 26J	1 2 3 0 1 2 3
			J	D3.3 Flat accurate backing bevels See Doc WSC2019 26J	0 1 2 3
			J	D3.4 Clean Surfaces Marks and stains See Doc WSC2019 26J	0 1 2 3
			J	D3.5 Depth/size / neatness of screws and fasteners See Doc WS	0 1 2 3
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
E1	Recuts or New pieces	4	M M M M M M M M	Recut No 1 Recut No 2 Recut No 3 Recut No 4 Recut No 5 Recut No 6 Recut No 7 Recut No 8	

			M M	Recut No 9 Recut No 10	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score

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ification			
	WSSS Marks	Aspect Marks	Variation
	5.00	5.00	0.00
	5.00	5.51	0.51
	10.00	9.45	0.55
	10.00	10.70	0.70
	10.00	10.51	0.51
	20.00	19.46	0.54
	20.00	19.35	0.65
	20.00	20.02	0.02
Total Variation			3.48

Mark

	10.00
	50.00
	25.00
	10.00
	5.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Most faces rough to coarse finish Some faces rough to coarse finish Most faces with smooth finish All faces with smooth finish and flat.		4		1.80
Excessive overcutting. More than 3mm or completely cut off Moderate over cutting, less than 3mm Minor over cutting, 1mm or less No over cutting		3		1.80
Most faces rough to coarse finish		3		1.60

Criterion A Total Mark 10.00

Some faces rough to coarse finish Most faces with smooth finish All faces with smooth finish and flat.		6		1.60
Excessive overcutting. More than 3mm or completely cut off Moderate over cutting, less than 3mm Minor over cutting, 1mm or less No over cutting		6		1.60
Most faces rough to coarse finish Some faces rough to coarse finish Most faces with smooth finish All faces with smooth finish and flat.		6		1.60
Excessive overcutting. More than 3mm or completely cut off Moderate over cutting, less than 3mm Minor over cutting, 1mm or less No over cutting				
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Deduct 10% of Marks for each 1mm discrepancy, Applies	1,000	8	1	1.00
	1,000	8	1	1.00
	1,000	4	1	1.00
	1,000	6	1	1.00
	1,780	7	1	1.00
	1,992.5	8	1	1.00
	1,165.2	3	1	1.00
	1,549.3	4	1	1.00
	600	5	1	1.00
	1,941.5	6	1	1.00
	611.9	7	1	1.00
	1,550.5	8	1	1.00

Criterion B Total Mark 50.00

	1,535.5	3	1	1.00
	466.5	4	1	1.00
	557.7	5	1	1.00
	961.6	6	1	1.00
	460.4	7	1	1.00
Deduct 10% of Marks for each 1mm discrepancy, Applies	1,450	8	1	1.60
	880	4	1	1.60
	700	5	1	1.60
	1,610.1	6	1	1.60
	1,383	7	1	1.60
	780	8	1	1.60
	287.6	3	1	1.60
	1,505.9	4	1	1.60
	509.2	6	1	1.60
	509.2	7	1	1.60
Deduct 10% of Marks for each 1mm discrepancy, Applies	1,600	7	1	1.00
	1,600	8	1	1.00
	2,039.6	5	1	1.00
	549	7	1	1.00
	727.8	8	1	1.00
	758	7	1	1.00
	734.8	8	1	1.00
	542	7	1	1.00
	630	6	1	1.00
	2,289.3	7	1	1.00
	2,171.8	2	1	1.00
	1,997.9	6	1	1.00
	682	7	1	1.00
	352.2	7	1	1.00
	193.3	7	1	1.00
	2,400	7	1	1.00
	2,000	7	1	1.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		3	2	0.86
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		4	2	0.86
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		5	2	0.44
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	0.44
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		8	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		3	2	0.87
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		4	2	0.87
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		5	2	0.44
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	0.44
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		8	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		3	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		4	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		5	2	0.65
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	0.65
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.22
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		3	2	0.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		4	2	0.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		5	2	1.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	1.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		8	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	0.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		8	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		4	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		5	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		6	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark		7	2	0.50

Criterion C Total Mark 25.00

0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	8	2	0.50
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	5	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	6	2	0.25
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	5	2	0.68
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	6	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	7	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	7	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	5	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	6	2	0.68
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	7	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	2	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	5	2	0.34
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	6	2	0.51
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	2	2	0.51
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	8	2	0.68
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	5	2	1.02
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	6	2	0.68
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	2	2	0.68
0-0.5mm 100% of max mark, 0.5-1.0mm 80% of max mark	2	2	0.68

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
all member in place = 100%, 1 piece missing = 66%, 2 pieces missing = 33%		2		0.80
Surfaces not flat with gaps estimated >2mm		8		0.20
Some small inaccuracies on surfaces, rooftops and eaves				
Few small inaccuracies on surfaces, rooftops and eaves				
Flat surface with no inaccuracies		8		0.80
Inacceptable inaccuracies in the angle of backing bevels >3°				
Acceptable inaccuracies in the angle of backing bevels <3°				
Small inaccuracies in the angle of backing bevels estimated				
Perfect angle and surface of backing bevels				

Criterion D Total Mark 10.00

Many excessive finger prints and/or hammer marks Some finger prints and/or small hammer marks A small number of finger prints and/or hammer marks No finger prints and no hammer marks	8	0.80
Screws above the surface or poor placement Screws not above the surface and are too deep Screws not above the surface and are mostly in good place Screws good depth and placement	2	0.80
3 or more pieces not in place or inconsistent with plan 2 pieces not in place or inconsistent with plan 1 piece not in place or inconsistent with plan All members in place	8	0.80
Surfaces not flat with gaps >2mm Some small inaccuracies on surfaces, rooftops and eaves Few small inaccuracies on surfaces, rooftops and eaves < Flat surface with no inaccuracies	8	0.80
Inacceptable inaccuracies in the angle of backing bevels > Acceptable inaccuracies in the angle of backing bevels <3 Small inaccuracies in the angle of backing bevels estimate Perfect angle and surface of backing bevels	8	0.30
Many excessive finger prints and/or hammer marks Some finger prints and/or small hammer marks A small number of finger prints and/or hammer marks No finger prints and no hammer marks	8	0.70
Screws above the surface and/or > 5mm deep and/or poor Screws not above the surface and/or < 5mm deep Screws not above the surface and/or < 2mm deep with go Screws good depth and placement	8	0.70
3 or more pieces not in place or inconsistent with plan	8	0.70

2 pieces not in place or inconsistent with plan 1 piece not in place or inconsistent with plan All members in place		2		0.70
Surfaces not flat with gaps >2mm Some small inaccuracies on surfaces, rooftops and eaves Few small inaccuracies on surfaces, rooftops and eaves < 3mm Flat surface with no inaccuracies		8		0.70
Inacceptable inaccuracies in the angle of backing bevels > 3° Acceptable inaccuracies in the angle of backing bevels < 3° Small inaccuracies in the angle of backing bevels estimate Perfect angle and surface of backing bevels		8		0.50
Many excessive finger prints and/or hammer marks Some finger prints and/or small hammer marks A small number of finger prints and/or hammer marks No finger prints and no hammer marks		8		0.70
Screws above the surface and/or > 5mm deep and/or poor placement Screws not above the surface and/or < 5mm deep Screws not above the surface and/or < 2mm deep with good placement Screws good depth and placement				
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50
deduct 0.5 marks	yes/no	1		0.50

Criterion E Total Mark 5.00

deduct 0.5 marks
deduct 0.5 marks

yes/no
yes/no

1
1

0.50
0.50

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSSS Section	Calculation Row (Export only)	Max Mark

Criterion F

Total
Mark

0.00

Criterion G

Total
Mark

0.00

Criterion H

Total
Mark

0.00

Criterion I

Total
Mark

0.00

Competition

Total
Mark

100.00