

Yr Amgylchedd Adeiledig

Built Environment

Llyfr Gwaith Peintio ac Addurno

Painting & Decorating Workbook

Cwrs:
Course:

Lefel:
Level:

Uned: Ymarferion i ddatblygu Gwybodaeth Greiddiol ar gyfer Rhoi Papurau
Safonol ar Waliau a Nenfydau
Unit: Exercises to develop underpinning knowledge for Applying Standard
Papers to Walls and Ceilings.

Enw'r Ymgeisydd: Name of Candidate:	
Enw'r Tiwtor: Name of Tutor:	

Mae rhywfaint o'r cynnwys yn y llyfr gwaith hwn yn rodd hael gan City & Guilds.

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Crewd gan yr adran Dysgu a Gyfoethogir gan Dechnoleg yn YDDS
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Croeso / Welcome

Gwella Llythrennedd: gweithio gyda'n gilydd!
Improving Literacy: working together!

S/Sp - Sillafu / Spelling

PB/SS - Patrwm Brawddeg / Sentence Structure

A/R - Ailadrodd / Repetition

At/P - Atalnodi / Punctuation

Pr/C - Priflythyren / Capital Letter

✓ - Adran wedi'i hysgrifennu'n dda / well written section

✓✓ - Adran wedi'i hysgrifennu'n dda iawn / Very well written section

GA/WW - Gair Anghywir / Wrong Word

// - Paragraff / Paragraph

AB/T - Amser Berf / Tense and Agreement

^ - Gair ar Goll / Missing Word

Termau Dwyieithog / Bilingual Terms

Dyddiad – Date	Cymraeg – Welsh	Saesneg – English	Diffiniad – Definition

Tasg 1/ Task 1

Cwis Gorchuddion Wal / Wall Coverings Quiz

1. Pam fod papur leinin gwyn yn cael ei ddefnyddio o dan orchuddion wal eraill, yn enwedig papurau trwm?

Why is white lining paper used underneath other wallcoverings, especially heavy papers?

2. Pam ddylid rhoi papur leinin ar arwynebau sydd wedi eu hatgyweirio lawer a'u paratoi?

Why should lining paper be applied to surfaces that have had a lot of repairs and making good?

3. In which direction should lining paper normally be hung?

Fel arfer, i ba gyfeiriad dylid hongian papur leinin?

4. Enwch 3 o wahanol bwysau neu drwch papur leinin.

Name 3 weights or thicknesses of lining paper.

1) _____ 2) _____ 3) _____

5. Mae papur leinin gwyn ar gael mewn rholiau o ba faint?

White lining paper is available in what size rolls?

6. Ar ba ochr o bapur leinin cefn lliain dylid rhoi'r past?

Which side of the linen backed lining paper should be pasted?

7. Ar ba fath o arwyneb y mae papur leinin cefn lliain yn cael ei ddefnyddio?

On what type of surface is linen backed lining paper used?

8. Beth all ddigwydd os gadewir i'r papur cefn lliain orwlychu?

What might happen if the linen backed paper is left to oversoak?

9. Ar gyfer beth y mae papur leinin cefn pitsh yn cael ei ddefnyddio?

What is pitch backed lining paper used for?

10. Faint ddylai'r uniadau orgyffwrdd pan yn defnyddio papur cefn pitsh?

How much should the joints be overlapped on pitch backed paper?

11. Paham y dylai'r ymylon orgyffwrdd yn hytrach na ffurfio uniad bôn?

Why should the edges be overlapped and not butt jointed?

12. Pa fath o bast sy'n cael ei ddefnyddio i lynu papur ffoil metel?

What type of paste is used to stick metal foil paper?

13. Beth ddylid ei roi ar y papur ffoil cyn y papur addurnol?

What should be applied to the foil paper before the decorative paper?

14. Am ba ddau reswm y byddem efallai eisiau defnyddio polystyren ymledol?

What two reasons might we want to use expanded polystyrene?

15. Enwch 3 anfantais bwysig o ddefnyddio polystyren ymledol.

Name 3 major disadvantages of using expanded polystyrene.

Tasg 2 / Task 2

2

Disgrifiwch y Dulliau Printio Canlynol / Describe the Following Printing Methods

Boglynnu gwlyb / Wet embossing

Boglynnu sych / Dry embossing

Ehangiad gwres / Heat expansion

<http://wallpaperhistorysociety.org.uk/>

http://anstey.uk.com/files/documents/PDFs/Manufacturing/anstey_print_guide.pdf

Cyfeiriwch at Ganllaw Printio Anstey a disgrifiwch y dulliau printio canlynol:

Refer to the Anstey Print Guide and describe the following print methods:

Printio bloc / Block printing

Printio Peiriant (Fflecsograffig) / Machine Printing (Flexographic)

Printio Sgrîn / Screen Printing

Mathau o bapur / Paper types

Disgrifiwch edrychiad y gwahanol fathau o bapur canlynol a ble y gellid eu defnyddio.

Describe the appearance of the following paper types and where they may be used.

Papur rhad / Pulps

Boglynnog / Embossed

Fynyl / Vinyl

Dwplecs / Duplex

Simplecs / Simplex

--

Wedi'i bastio ymlaen llaw / Ready-pasted

--

Fynl chwyddedig / Blown vinyl

--

Golchadwy / Washable

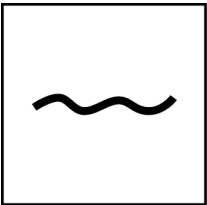
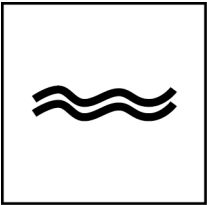
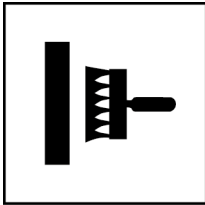
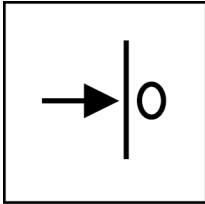
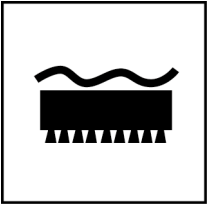
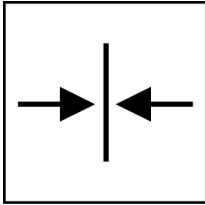
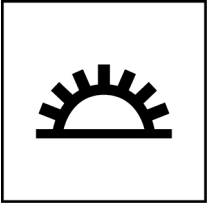
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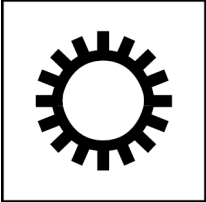
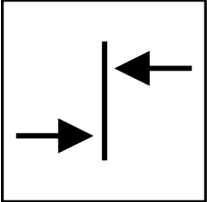
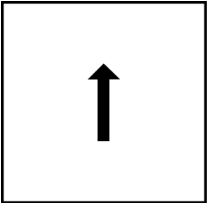
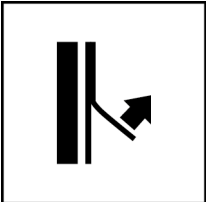
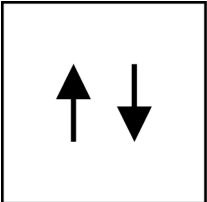
Tasg 4 / Task 4

Symbolau perfformiad / Performance symbols

Nodwch beth yw'r symbolau perfformiad canlynol.

Identify the following performance symbols.

Symbol Symbol	Ysgrifennwch yr ateb isod Write answer below	Symbol Symbol	Ysgrifennwch yr ateb isod Write answer below
			
			
			
			
		$\frac{50}{25}\text{cm}$	

Tasg 5 / Task 5

Sypiau a Diffygion / Batches and Faults

Beth yw'r gwahaniaeth rhwng y ddwy label isod?

What is the difference between the two labels below?



Tasg 6 / Task 6

Dewis Adlynyon / Selecting Adhesives

Pa fath o bapur sydd yn addas ar gyfer pa fath o adlyn? Ticiwch y blwch perthnasol.

Which paper type is suitable for which type of adhesive? Place a tick in the relevant box.

Math o Bapur Paper Type					
	Seliwlos Cellulose	Startsh Starch	Gorgyffyrddiad Overlap	Adlyn parod Ready Mixed	PVA PVA
Ysgafn Lightweight					
Finyl llydan Wide vinyl					
Finyl border Vinyl Border					
Finyl cytundeb Contract vinyl					
Papur wal cyffredin Ordinary wallpaper					

Tasg 7 / Task 7

Gwirio Gwybodaeth / Knowledge Check

1. Sut mae cynnwys lleithder y past yn effeithio ar y papur wal?

How does the moisture content of the paste affect the wall paper?

2. Pa bast sydd fwyaf tebygol o staenio'r papur?

Which paste is most likely to stain the paper?

3. Pa bast sy'n cael ei ystyried yn "ludedd isel"?

Which paste is considered "low tack"?

4. Pa bast sydd â chynhwysiad solid isel ond â chynhwysiad dŵr uchel?

Which paste has a low solid but high water content?

5. Pa bast sydd â chynhwysiad solid uchel ond â chynhwysiad dŵr isel?

Which paste has a high solid content but a low water content?

6. Pa ddiffygion all ddigwydd os yw'r cynhwysiad dŵr y past yn rhy uchel?

What faults can happen if the paste has too high water content?

7. Pa bast gellir ei ddefnyddio ar gyfer finyl cytundeb?

Which paste can be used for contract vinyl?

8. Pa bast dylid ei gymysgu'n ddyddiol?

Which paste should be mixed daily?

9. Pa un gellir ei ddefnyddio er mwyn glynu finyl wrth finyl?

Which can be used to stick vinyl to vinyl?

10. Pa bast sy'n mynd yn denau a diwerth dros amser?

Which paste becomes thin and useless over time?

11. Pa beryglon iechyd posibl sy'n gysylltiedig â rhai adlynyon?

What potential health hazards are associated with some adhesives?

12. Give a reason for delamination

Rhowch reswm am ddadlaminadu

13. Rhowch reswm am bothellu

Give a reason for blistering

14. Rhowch reswm am ymestyn

Give reason for stretching

15. Beth sydd angen ei roi ar y waliau cyn y gellir hongian unrhyw bapur?

What is required to be put on the walls before any paper is hung?

Tasg 8 / Task 8

Chwilair Termau Papuro / Wallpaper Terms Wordsearch

D	G	Q	L	T	W	I	A	C	G	E	L	L	I	R	E	I	B	I	L	I	O	S	W	L
W	M	O	T	I	F	F	O	P	I	U	A	G	O	L	C	H	A	D	W	Y	J	Y	O	Y
W	H	P	N	N	R	L	W	T	O	A	H	R	A	N	B	G	W	H	N	Y	A	D	D	Y
Y	Z	F	H	B	C	O	N	S	E	R	T	I	N	A	N	L	E	H	I	M	D	A	W	N
Q	L	B	T	H	J	T	P	X	O	H	F	W	F	J	T	C	C	J	Y	O	I	E	U	N
L	Q	E	P	W	X	O	Y	D	T	U	U	F	O	F	W	Y	L	I	R	P	M	H	H	T
L	T	L	W	Z	F	W	A	D	P	O	C	E	L	J	G	M	Q	D	M	D	E	S	N	L
I	X	L	D	B	D	W	P	L	E	C	S	R	L	D	D	V	A	Y	D	I	T	I	G	N
N	Y	W	P	D	M	W	G	G	R	W	J	T	W	Y	P	L	W	R	W	R	A	T	O	T
Y	D	L	D	R	J	T	S	C	S	P	Y	I	Z	Y	I	C	W	T	A	M	F	U	S	E
N	E	O	A	I	H	X	Z	A	W	C	U	G	Y	A	M	F	H	T	S	V	F	U	O	M
B	S	S	W	L	P	W	O	C	P	W	D	O	Q	G	F	E	S	E	A	Z	Q	L	D	T
O	N	F	I	N	Y	L	Y	W	O	H	J	L	O	Y	A	G	S	H	Y	D	A	L	C	F
B	T	U	H	L	B	T	V	G	Z	L	K	N	G	O	Y	W	Q	T	E	S	P	O	Y	F
R	D	P	O	T	H	E	L	L	N	Z	N	R	G	B	P	S	Y	K	Y	U	U	R	D	W
L	J	Z	Q	T	S	R	X	Y	P	Y	O	P	G	K	D	B	L	Y	A	N	S	W	W	N
I	W	D	X	P	A	R	L	O	L	G	G	W	A	S	T	R	A	F	F	E	L	E	E	G
R	Y	L	G	D	M	D	G	G	T	F	H	S	A	N	R	W	Q	A	I	M	V	D	D	L
G	N	P	M	J	A	B	O	R	Y	A	C	Y	C	R	Y	C	H	A	U	N	P	D	D	E
M	P	K	G	S	P	B	R	U	H	A	H	N	L	E	I	N	I	N	X	M	I	O	U	I
I	D	I	L	A	M	I	N	A	D	U	Y	L	N	W	M	W	I	B	K	P	J	L	F	D
V	U	F	N	L	K	P	R	E	O	G	U	Q	R	S	I	M	P	L	E	C	S	A	R	D
L	Z	F	G	C	J	L	W	G	V	T	G	B	P	H	U	W	I	C	A	D	N	C	M	I
W	Y	S	C	Y	D	W	E	D	D	U	C	W	Y	M	P	I	A	D	N	A	U	Y	G	A
S	T	D	N	S	M	P	T	T	U	H	L	C	Q	C	Q	H	D	C	G	V	E	G	D	D

Adlyn	Crychau	Fynl	Hyd	Pothell	Ymestyn
Ailadroddol	Cwypiad	Golchadwy	Leinin	Rhwyg	Llinyn bob
Boglynnog	Dilaminadu	Gorgyffwrdd	Llorweddol	Simplecs	Gosod cydweddu
Cellwlos	Dwplecs	Gwastraff	Maint	Startsh	Gellir ei bilio
Consertina	Fertigol	Ffwngleiddiad	Motiff	Swp	Cydweddu cwypiad

Chwilair Termau Papuro / Wallpaper Terms Wordsearch

V	P	D	S	I	M	P	L	E	X	H	D	I	W	V
E	E	E	R	E	T	S	I	L	B	R	S	E	A	I
R	E	L	I	O	V	E	R	L	A	P	E	P	S	N
T	L	A	E	Z	I	S	D	R	E	P	E	A	T	Y
D	A	M	V	M	H	O	R	I	Z	O	N	T	A	L
R	B	I	I	O	C	A	H	B	C	S	S	A	G	S
O	L	N	S	T	R	E	T	C	H	I	N	G	E	L
P	E	A	E	I	V	C	L	D	R	I	G	T	I	X
M	N	T	H	F	R	E	E	L	T	A	M	N	E	S
A	G	E	D	E	G	S	R	R	U	A	T	L	U	E
T	T	A	A	N	S	H	E	T	T	L	P	S	S	F
C	H	S	I	O	C	C	R	C	I	U	O	Z	R	P
H	E	N	B	T	N	C	H	A	D	C	E	S	A	O
S	I	M	A	O	E	L	B	A	H	S	A	W	E	R
L	E	B	C	P	L	U	M	B	B	O	B	L	T	D

Adhesive	Creases	Embossed	Motif	Set Match	Tears
Batch	Delaminate	Fungicide	Overlap	Simplex	Verticle
Blister	Drop	Horizontal	Peelable	Size	Vinyl
Cellulose	Drop Match	Length	Plumb Bob	Starch	Washable
Concerting	Duplex	Lining	Repeat	Stretching	Wastage

Tasg 9 / Task 9

Cynllunio eich gwaith / Planning your work:

Y Dull Cylchfesur / Girthing Method

Gan ddefnyddio'r dull cylchfesur cyfrifwch nifer y rholiau sydd eu hangen ar gyfer pob un o'r meintiau ystafelloedd isod. Defnyddiwch y dalennau cyfrifo atodedig i ddangos eich gwaith cyfrifo.

Using the girthing method calculate the number of rolls required for each of the room sizes below. Use the attached calculation sheets to show your workings.

Enghraifft / Example:

Perimeddr ystafell yw 36 m ac mae uchder y waliau yn 2.3 m.

The perimeter of a room is 36m and the height of the walls are 2.3m

Nifer yr hydoedd sydd eu hangen
The number of lengths required

$$\begin{aligned} &= \text{Perimeddr} \div \text{Lled y papur wal} \\ &= \text{Perimeter} \div \text{Width of wallpaper} \\ &= 36 \div 0.5 \\ &= 72 \end{aligned}$$

Nifer yr hydoedd i bob rholyn
The number of lengths per roll

$$\begin{aligned} &= \text{Hyd y papur wal} \div \text{Uchder y waliau} \\ &= \text{Length of wallpaper} \div \text{Height of walls} \\ &= 10\text{m} \div 2.3\text{m} \\ &= 4.3 \\ &= 4 \text{ hyd llawn/full lengths} \end{aligned}$$

Nifer y rholion sydd eu hangen
Number of rolls required

$$\begin{aligned} &= \text{Cyfanswm Nifer yr hydoedd} \div \text{Nifer yr hydoedd mewn rholyn} \\ &= \text{Total No. of lengths} \div \text{No. lengths per roll} \\ &= 72 \div 4 \\ &= 18 \text{ rholyn/Rolls} \end{aligned}$$

Cyfrifwch nifer y rholiau fydd eu hangen ar gyfer pob un o'r meintiau ystafell canlynol Calculate the number of rolls required for each of the following room sizes				
Perimedr Perimeter	Uchder Height	Nifer yr hydoedd No. Lengths	Hydoedd mewn rholyn Lengths per roll	Nifer y rholiau No. Rolls
24.00m	2.40m			
32.00m	2.30m			
42.00m	2.40m			
45.50m	2.30m			
36.50m	2.40m			
45.40m	2.60m			
15.60m	2.37m			
21.75m	2.68m			

Tasg 10 / Task 10

10

Cynllunio eich gwaith / Planning your work:

Y Dull Arwynebedd / Area Method

Gan ddefnyddio'r dull arwynebedd, cyfrifwch arwynebedd arwyneb y waliau a nifer y rholiau fydd eu hangen i orchuddio'r waliau. Defnyddiwch y dalennau cyfrifo atodedig i ddangos eich gwaith cyfrifo.

Using the area method calculate the area of the wall surfaces and number of rolls required to cover the walls. Use the attached calculation sheets to show your workings.

Cyfrifwch arwynebedd arwyneb y waliau a nifer y rholiau fydd eu hangen. Calculate the area of wall surfaces and number of rolls required		
Dimensiynau Dimensions	Arwynebedd Area	Rholiau Rolls
16.00m x 3.00m	m ²	
12.00m x 2.50m	m ²	
23.00m x 2.30m	m ²	
36.00m x 2.70m	m ²	
42.50m x 2.50m	m ²	
27.30m x 2.40m	m ²	
32.80m x 2.60m	m ²	

Enghraifft / Example:

Mae arwynebedd waliau ystafell yn 38m². Arwynebedd rholyn safonol o bapur wal yw tua 4m² (gan ganiatáu am 20% o wastraff).

The wall area of a room is 38m². Area of a standard roll of wallpaper is approx 4m² (allowing for 20% wastage)

Nifer y rholion sydd eu hangen = Arwynebedd y waliau ÷ Arwynebedd y papur wal
Number of rolls required = Area of walls ÷ Area of wallpaper
 = 38m² ÷ 4m²
 = 9.5
 = mae angen 10 rholyn / 10 rolls required

Dalen Gyfrifo / Calculation Sheet:

Tasg 11 / Task 11

Cynllunio eich gwaith / Planning your work:

Gan ddefnyddio'r lluniad canlynol, cyfrifwch faint o bapur wal fydd ei angen ar gyfer ystafelloedd gwely 1 a 2 a defnyddiwch y dulliau cylchfesur ac arwynebedd. Defnyddiwch y dalennau cyfrifo atodedig i ddangos eich gwaith cyfrifo.

Using the following drawing, calculate the amount of wallpaper necessary for bedrooms 1 and 2 using both the girthing and area method. Use the attached calculation sheets to show your workings.



Dull Cylchfesur / Girthing method:

Ystafell Wely 1 (Uchder y nenfwd 2.3m)

Bedroom 1 (Ceiling height 2.3m)

Perimeddr Perimeter	Uchder Height	Nifer yr hydoedd No. lengths	Hydoedd fesul rholyn Lengths per roll	Nifer y rholiau No.rolls

Ystafell Wely 2 (Uchder y nenfwd 2.3m)

Bedroom 2 (Ceiling height 2.3m)

Perimeddr Perimeter	Uchder Height	Nifer yr hydoedd No. lengths	Hydoedd fesul rholyn Lengths per roll	Nifer y rholiau No.rolls

Dull Arwynebedd / Area Method:

Ystafell Wely 1 (Uchder y nenfwd 2.3m)

Bedroom 1 (Ceiling height 2.3m)

Dimensiynau Dimensions	Arwynebedd Area	Nifer y rholiau No.rolls
m x m	m ²	

Ystafell Wely 2 (Uchder y nenfwd 2.3m)

Bedroom 2 (Ceiling height 2.3m)

Dimensiynau Dimensions	Arwynebedd Area	Nifer y rholiau No.rolls
m x m	m ²	

Dalen Gyfrifo / Calculation Sheet:

Dalen Gyfrifo / Calculation Sheet:

Adborth / Feedback

Sylwadau'r Ymgeisydd / Candidate's Comments:

Adborth Yr Aseswr / Assessor's Feedback:

Cafodd y gwaith/asesiad hwn ei wneud dan amodau arholiad
This work/assessment carried out under examination conditions

Do / Naddo
Yes/ No

Nifer y cwestiynau / adrannau y rhoddwyd cynnig arnynt Number of questions/sections attempted	
Nifer y cwestiynau / adrannau a atebwyd yn gywir Number of questions/sections correctly answered	
Y cwestiwn / adran sydd angen eu cywiro The question / section number needing to be amended	

Sylwadau ychwanegol / Additional comments

Cytunaf fod y gwaith / asesiad hwn wedi cael ei wneud mewn modd teg a phriodol.
I agree that this work / assessment was carried out in a fair and proper manner.

Enw'r Ymgeisydd Candidate's Name	Llofnod yr Ymgeisydd Candidate's Signature	Rhif yr Ymgeisydd Candidate's Number	Dyddiad Date
Enw'r Aseswr Assessor's Name	Llofnod yr Aseswr Assessor's Signature	Rhif yr Aseswr Assessor's Number	Dyddiad Date
Enw'r D.M. I.V. Name	Llofnod y D.M. I.V. Signature	Rhif y D.M. I.V. Number	Dyddiad Date