

Construction Craft Quality Network. Friday 14 June 2013

Workshop No 1.

Associated Subjects (Generic Units in a Single TAP)

Time. 45 minutes

In you craft groups discuss the following and agree a collective response.
Appoint a chairperson a scribe and someone to report back to the meeting.

Craft Area Brickwork

Instructions :- The Associated Subjects TAP requires students to :-

1 Identify craft scientific principles.

List these craft scientific principles which are taught or assessed throughout the TAPs for your Craft PDA in the table below. The TAP assessment requires a minimum of **four** scientific principles required for each craft.

Number	Scientific Principle	Evidence Source. Reference the TAP which will cover this.
1	Surface Tension	Openings in Walls & Timber Frame
2	Capillarity	Openings in Walls
3	Absorption	Foundation Walling
4	Silt Test	Concrete Unit
5	Slump Test	Concrete Unit
6	Density	Piers/Foundations
7	Expansion & Contraction	Cavity Walls and Timber Frame
8	Heat Loss	Cavity Walling
9	Insulation	Cavity Walling
10	Bulking/Sand	Concrete and Mix
11	Corrosion	Piers and Openings in Walls and Cavity Walls
12	Convection	Fireplaces
13	Porosity	Cavity Walls and Piers
14	Compression & Tension	Openings in Walls, Concrete
15	Moisture Content	Openings in Walls & Timber Frame

2 Interpret and/or produce occupational construction sketches and/or drawings throughout the relevant Craft PDA

List the drawings or sketches which are covered in the TAPs for you occupational area in the table below. However a minimum of **three** sketches or drawings required.

Number	Drawing / Sketch	Evidence Source. Reference the TAP which will cover this.
1	Substructure Detail	Foundation Walling
2	Basket Weave Panel	Decorative Brickwork
3	Arches	Arch
4	Kit	Timber Frame
5	Bonding	One Brick Walling
6	Brick Details	Half Brick Walling
7	Flues, Chimneys	Fireplaces
8	Curves & Ramps	Decorative Brickwork
9	Crew Sketches	Crews Unit

3 Identify craft processes used to increase insulation and reduce carbon emissions.

List the craft construction practices used to increase insulation or reduce carbon emissions which are taught or assessed in your PDA Craft TAPs. Each occupational area, however must cover a minimum of **two** construction practices.

Number	Practice to increase insulation or reduce carbon emissions.	Evidence Source. Reference the TAP which will cover this.
1	Cavity's and Insulation	Cavity Walling and Openings in Walls
2	Brick manufacture	Half Brick Walling
3	Concrete Manufacture	Concrete
4	Hand Cutting Bricks	Various Units
5	Re-use all cuts	Various Units
6	Re-use sand	All Units
7	Waste Management	All Units
8	Recycling Materials	All Units

Please note.

The group scribe will need to leave a completed workshop paper for your craft with the presenter.