Alternative Printing Methods (and mounting techniques)
TCC Program 14 Feb 2012

The following print methods were discussed along with various mounting techniques. If anyone has any questions on a particular method please see the person identified in parenthesis.

1. Canvas - plus some mounting alternatives (Nancy Clements)
2. Printing on Metal , Image Mounting to clear plexiglass and Gatorfoam Mounting with laminate coating (Nancy Clements or Mike Nelson)
3. Double sided printing for in-house albums (Nancy Clements)
4. Accent Foam Board Mounting (Finished Edge) (Nancy Clements)
5. Mounting large Panoramic Prints (Vertical or Horizontal) (Ron Baker)

1. Canvas
• Pros:
   • Lightweight and less glare since no need for glass
   • Save on framing costs (canvas is stretched on the same inexpensive wood frame that painters use
   • Archival inks same as on paper (just needs a varnish to protect)
   • Great for large art prints

• Cons:
   • Paper typically shows more detail than the canvas surface
   • Canvas (without glass) needs more care in transportation than a framed paper print under glass
   • Paper is less expensive for the print itself (though framing will offset the savings)
   • Typically will not do well in competition (not enough punch)

CHARACTERISTICS (assuming done in-house):
   • Unique texture for true artist look (Gloss, satin and matt finishes)
   • Heavyweight for quality feel
   • Cotton/Poly blend for increased durability
   • Stretchable for framing
   • Example Costs:
      • Epson 13" x 20' Roll $40
      • Epson 17" x 22" 25 Sheets $150
      • Inkpress Waterproof Inkjet Canvas Matte Paper 13x19 50 Sheets - $200
      • Cost for ink and paper about $2.83/ft2 vs $1.20/ft2 for premium luster
   • Ink is dry to the touch one hour after printing. However, it takes 24 hours before it cures and becomes durable.

- Although this canvas is water resistant, it is recommended to apply a protective overcoat if not displayed behind glass.
  - PremierArt Print Shield and Eco Print Shield are especially designed for protecting ink jet prints on this media. It will also provide increased lightfastness. Matt, Satin, Gloss finishes (http://www.ecoprintshield.com/).

Mounting:
- Gallery Wrap
  - Method of stretching the canvas print so that the canvas wraps around the sides and is secured to the back of the wooden frame (1" to 2" thick).
    - Wooden Frames and tools required to stretch canvas, etc can be purchased at art supply stores
    - Print needs to be larger than the wooden frame to account for the wrapped side.
    - For due DIY wraps (where you print the canvas and do the wrap yourself) see the videos and products at Breathing Colors web site:
      - https://www.breathingcolor.com/page/videos/
      - Look at their "EasyWrappe™ Create a Professional Canvas Gallery Wrap in Minutes" YouTube Video
    - There are several On-Line Services where you can up-load your image to a web site and they will do the wrap for you.
      - Do a google search on "Gallery Wraps", also BayPhoto at: http://www.bayphoto.com/bayweb/pro_canvaswrap.htm
- Fibre board Thin Wrap
  - Canvas glued and wrapped around a fibre- board with a finished paper back. Can stand alone or be paced in a frame.
    - See description of the fibreboard at DickBlick Art Materials web - site (http://www.dickblick.com/products/ampersand-hardbords/). You can also purshase locally at United education and Art Supplies (**Centerville Retail Store,** 799 Lyons Road,Centerville, OH 45459 **Phone:** (937) 432-6471
  - Use a Ph neutral, acid free mounting adhesive to mount the canvas to the fibre board (Daige Rollatac Adhesive at Artgrafix.com is one product that can be used)
  - Print needs to be larger than the fibre board to account for the wrap.

Detailed DIY Thin Wrap Canvas Mounting Process:

1. Print image on canvas with at least a 2 inch non-printed border around the image. The size of your image should be determined by the size of your fibre board. See description of the fibreboard at DickBlick Art Materials web - site (http://www.dickblick.com/products/ampersand-hardbords/). You can also purchase locally at United education and Art Supplies (**Centerville Retail Store,** 799 Lyons Road,Centerville, OH 45459 **Phone:** (937) 432-6471.   If you are placing the fiberboard mounted image in a frame then the printed image need not wrap around the edges of the board, therefor it can be the exact size of the board. If it is to be a non framed canvas the printed image needs to be larger than the fibre board (at least twice the

thickness of the board larger on the width and height). Using a marker turn the printed image (canvas) over and hold up to the light. Place a small noticeable dot on each corner (on the back side of the canvas).

2. Draw lightly (using pencil) an outline of the image border then make another outline 1/2 inch from the image border. Note - if you want to wrap the edge of the image around the board you will have to make the image border smaller (for example if the board is 1/8" think - make the image boarder 1/8 inch smaller on each side). Measure the 1/2 inch extension from this.

3. At each corner mark a 45 degree line about 1/16 to 1/8 inch from each corner of the image border
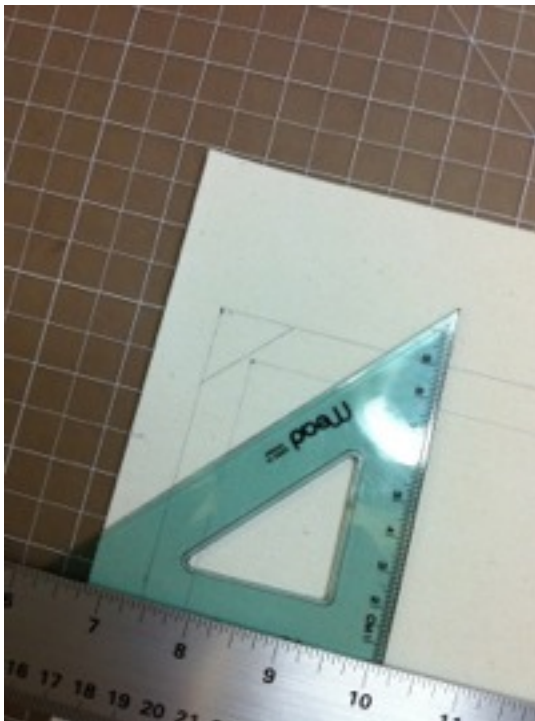
5. Using a utility knife and metal straight edge cut the canvas using the outer most border. Also cut the 45 degree corners. See images below (Front and back of canvas).

6. Roll an liquid adhesive onto the fibreboard (or Photo spray adhisive) and attach the canvas to the board.

Can use a Ph neutral, acid free mounting adhesive to mount the canvas to the fibre board (Daige Rollatac Adhesive at Artgrafix.com or Yes Glue at http://www.dickblick.com/products/yes-stikflat-glue/)). Use a roller or plastic squezzie to ensure the canvas has been uniformly mounted to the board with no bubbles. MAKE SURE YOU PLACE SOME TYPE OF "WAX PAPER" BETWEEN THE CANVAS AND ROLLER.

Roll over the corners and tape with an archival masking tape (http://www.dickblick.com/products/acid-free-masking-tape/). Roll over the centers of each side and tape. Tape each side and ensure the sides are sealed. If you want a finished back, cut an piece of heavy weight art paper and glue to the back, ensuring that the center board is not visible. You can use an acid free book binding glue to secure the back (Lineco Neutral pH Adhesive is made of archival polyvinyl acetate (PVA). It should not become brittle with age, and adheres to most porous surfaces.

2. Printing on Metal

BayPhoto is one company out of many that will can take your uploaded image and print it on Aluminum. Per their website: "Their MetalPrints™ represent a new art medium for preserving photos by infusing dyes directly into specially coated aluminum sheets. Because the image is infused into the surface and not on it, images will take on an almost magical luminescence. BayPhoto's Metal Prints are available in 4 different surfaces: High Gloss, Satin, and Sheer with a Glossy or Matte finish. The To compliment this unique printing method, they have also developed a variety of ultra-modern ways to hang and display Metal Prints. Goto: http://bayphoto.com/metalprints/

- Pros:
  - Striking Effect -
  - Save on framing costs - self framing
  - Extremely durable

- Great for large prints

- Cons:
    - Not easily done in-house (see next section on DIY)
    - Glossy surface
    - Will not scratch easily but will loose an edge if dropped

Typical prices:
    - 16x24 - $100

DIY PRINTING ON METAL (Mike Nelson Presented this at the 14 Feb 2012 Program)

1-pre-coated aluminum sheets available from booksmart.com in various sizes and finishes
2-coat your own sheets--use Inkaid from inkaid.com or from booksmart.com; also works on other materials to make them printable
3-inkjet transfer process--see for example http://www.digitalartstudioseminars.com/ for supplies & workshops, or books & DVDs by Bonnie Lhotka

Digital Fringe in downtown Dayton can mount your prints to gatorfoam and can face-mount prints to acrylic; they also do laminating. One more tidbit from Mike : The folks at Digital Fringe indicated that they have developed a technique for doing gallery wraps with photo paper--the sample he saw was pretty nice...

3. Printing Albums In-House
- Pros:
    - Layout easily modified/versatile - one problem with uploading your album to a web site and having an On-Line company print it, is that you are never sure what the end product will look like. When you print the pages yourself you can reprint any page your not satisfied with.
    - Large albums (50 double sided pages) About $60 verses $100
    - Build-in software auto flow makes task easy (iPhoto, Aperture, Lightroom 3, Elements, etc)

- Cons:
    - Time consuming if you hand lay it out
    - Need special double sided paper
        - Inkpress Duo Semi-Gloss 9 mil paper (http://www.amazon.com/Inkpress-Double-Luster-Surface-Inkjet/dp/B001K7YG70/ref=pd_sbs_op_3)
        - Red River double sided paper (Thanks Jim, where were you when I needed you) (http://www.redrivercatalog.com/browse/2side/)

Special printing process needs to be followed so that even pages printed then remove flip and print odd pages. Need to allow sheets to dry for a day prior to printing backs.

Album Covers and Photobook Creator:
      Unibind (Ebay, Target, Unibind, Amazon (http://www.amazon.com/Photobook-Creator-Kit/dp/B000OK994E))
      Demo: http://www.myphotobookcreator.com/

Unibind Photo Book Creator:
      Binds PhotoBooks up to 190 sheets
      Perfect for home use
      Economical
      Operates fully automatically
      Super-strong, permanent bond
      Edit PhotoBooks quickly and easily
      Always ready to use
      No warm-up time • Maintenance-free

Book Supplies:
      http://www.thermobinding.com/shop/Unibind-Landscape-PhotoBooks/
      http://www.amazon.com/Unibind-MyBook-PhotoBook-Kit-Black/dp/B000ZMZPHG/ref=pd_sim_sbs_p_6

4. Accent Foam Board Mounting (DIY with a qualifier)

The qualifier is that you buy the self adhesive Accent Edged Foam board and mount your print to this, verses up-loading your image to a website for them to print.

One company that has these is Artgrafix **(http://artgrafix.com/store/page164.html):**

Nice Edge finish

Accent Self-Stick 1/2" thick Foam Board 8.5"x11" (3)

550603
- Ready to display
- Sturdy yet lightweight
- 1/2" thick white self-stick foamboard with edged sides
- Surface is a smooth hard plastic resistant to moisture
- Permanent Adhesive
- Choose edge color below
- 8.5"x11" size. These boards are also available 1/2" undersized if you prefer to trim after mounting. The Trim size also makes it easier to mount prints with less alignment required. Trimming is easy against the hard edge of the Accent Board. Please specify below.
- 3 Accent Mount Boards per pack

To use, peel back about an inch of the liner to expose the adhesive. Align your print and then attach at the leading edge. Holding your print up, remove the rest of the liner. With your hand in the middle of your print, attach your print to the Accent Mount down the center of your print. Smooth from the center to the edges. Trim as necessary using either our Print Edger or an Xacto knife. See our video on our web site.

You will need a plastic squeegee for burnishing (this ensures the print is securely mounted to the board with no bubbles:
- http://www.framing4yourself.com/shop/products/mounting-tools-and-supplies/plastic-burnishing-squeegee/

Ready to hang with just the installation of a hand tag (can purchase from Uline in quantities):
- http://www.uline.com/BL_5650/Hang-Tabs?pricode=WF757&gclid=CMr39fmqqK4CFRQUKgod5HO3UA

Need Print to be .5" larger (width and Height). This will be trimmed off with Xacto Knife or a Drytac Imedger which is expensive but if you do large quantities it may be worth it.

- http://www.drytac.com/imedger.html

5. Mounting, Displaying large Prints (For example Large Vertical or Horizontal Panoramic Prints)

Mounting can be done on a very thin wood board, purchased at Lowes for example. they will cut it to size.

Spray paint the wood and mount with regular dry mounting tissue.

See Ron Baker if you have any questions.