



Learn about the sublimation process and basic design principles while creating a variety of objects using multiple methods.

Supplies:

- Sublimation ink markers + watercolor paper
- Canva + sublimation paper
- Ceramic tile + mug
- MDF keychain + polyester pouch

Sublimation Markers 101



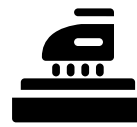
Ceramic mug, poly-cotton pouch.

Sublimation Printer 101



Neoprene notebook, polyester socks, canvas tote, ceramic mug, mdf puzzle board, coated metal, sequins.





Sublimation Printing

A process that transfers a design onto a material by converting solid dyes into a gas, which bonds with the material under high heat and pressure.

- Who & How:
 - Tools: Sawgrass Virtuoso SG500 Sublimation printer + any heat press
 - Use design software (Photoshop, Canva, etc.) to prepare your artwork.
 - Send design to sublimation printer using CMYK color channel (and sublimation paper). Use heat press + Teflon to bind ink to product.
- What:
 - Coated items, polyester, ceramic, glass, coated metal, neoprene, MDF, *Select Vinyl, **No cotton.
 - Adding vibrant, durable graphics to products that won't fade.
- Why:
 - Printer dispenses ink onto special paper in fine droplets with a matched CMYK color channel. ink turns into gas under heat, allowing it to go into product, and it turns back into a solid when cooled.
 - All files must become PDFs or PNGs in order to print. Remember to mirror!

Sublimation Markers

Using the same laser beam but with enough power and slow enough movement to cut entirely through the material, the beam fully separates material.

- Who & How:
 - Tools: Sublimation ink markers (any brand) + any heat press.
 - Use markers to draw artwork on sublimation or watercolor paper.
 - Use heat press + Teflon to bind ink to product.
- What:
 - Coated items, polyester, ceramic, glass, coated metal, neoprene, MDF, *Select Vinyl, **No cotton.
 - Adding vibrant, durable graphics to products that won't fade.
- Why:
 - Markers dispense ink in droplets that match the pen tip size (multiple pen tip sizes available). Ink turns into gas under heat, allowing it to go into product, and it turns back into a solid when cooled.



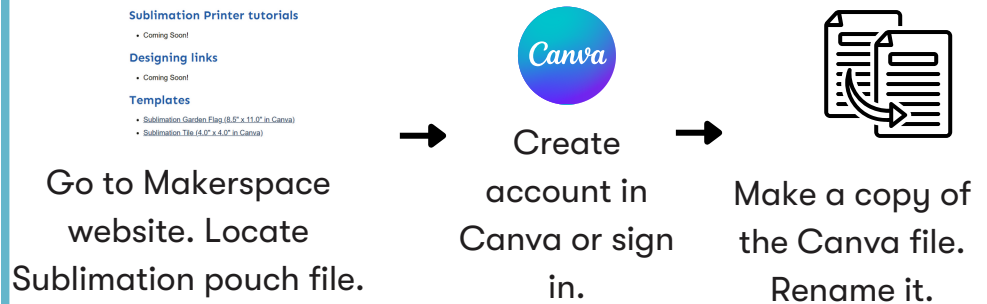


Learn about the sublimation process and basic design principles while creating a ceramic mug with a printer.

Supplies:

- Sublimation pouch+ paper
- Digital image
- Sublimation printer, heat presa, Teflon, heat resistant tape

Step 1: Preparing the image



Step 2: Design



Add a picture to your 5.0" x7.0" canvas.



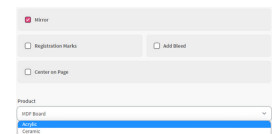
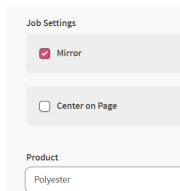
Add text or any additional elements. Delete background.

Step 3: Sending file over



In Canva, click Share. Download as a PNG.

Connect computer to printer via USB cable. Add paper.

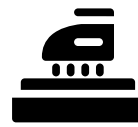


Open up Sawgrass Utility. Create a new job and open your PNG.

Ensure "mirror" is checked. Choose the correct product for your sublimation project: Ceramic.

We will print and heat press your tote together (350 degrees for 80 seconds).



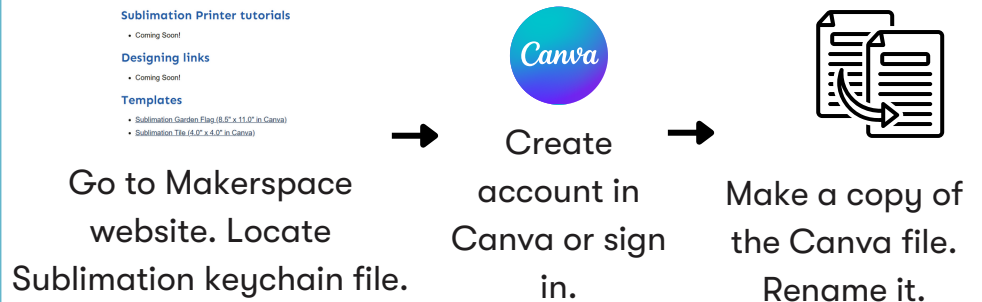


Learn about the sublimation process and basic design principles while creating an MDF with a printer.

Supplies:

- Sublimation pouch+ paper
- Digital image
- Sublimation printer, heat presa, Teflon, heat resistant tape

Step 1: Preparing the image



Step 2: Design

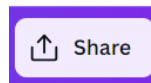


Add a picture to your 1.5" x 1.5" canvas.

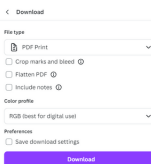


Add text or any additional elements.
Delete background.

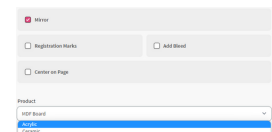
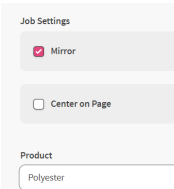
Step 3: Sending file over



In Canva, click Share.
Download as a PNG.



Connect computer to printer via USB cable.
Add paper.



Open up Sawgrass Utility. Create a new job and open your PNG.

Ensure "mirror" is checked. Choose the correct product for your sublimation project: MDF



We will print and heat press your tote together (400 degrees for 60 seconds).





Learn about the sublimation process and basic design principles while creating a ceramic mug with markers.

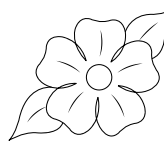
Supplies:

- Sublimation mug
- Watercolor paper
- Digital image
- Creativity & fun

Step 1: Preparing the image

cricut

Go to Cricut Design Space.
Create new project.



Use the watercolor mugs template.
Choose one design.



Send to Cricut Maker 3 to draw outside with infusible ink maker

Step 2: Color & Cut



Use infusible ink markers to color in your design.



Cut design to size of pouch.

Step 3: Tape Design



Use the heat resistant tape to attach the image to the mug (image down)



Cover the image with 2 layers of tracing/butcher paper.



Attach with heat resistant tape.



Turn over the page for directions on how to press your design.





Heat Press Instructions:

Pressing your mug part 1



Turn on Cricut Mug press. Wait for green power light.

Place mug in press. Close lever on right-side.

Pressing your mug part 2

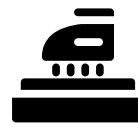


Wait for all lights to flash and a beep to sound.

Open lever. Remove mug with holder. Place on heat-safe surface.

**Wait ~20 minutes. Peel off your tape.
Enjoy your mug!**





Learn about the sublimation process and basic design principles while creating a ceramic tile with markers.

Supplies:

- Sublimation tile
- Sublimation paper
- Sublimation Pens
- Creativity & fun

Step 1: Draw an image

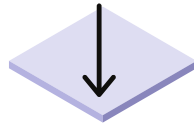
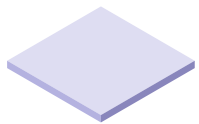


Think of a favorite winter memory. Use the sublimation markers to draw it. IT will be flipped, so be careful with text.



Cut the image so there is no white space remaining.

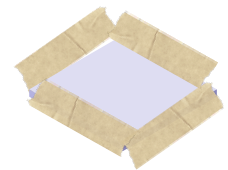
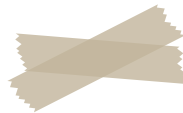
Step 2: Prepare



Choose a tile.

Place your image face-down on the top of your tile.

Step 3: Sending file over



Cut off pieces of heat resistant tape.

Tape the outside edges of your paper to your tile.



We will print and heat press your tile together (400 degrees for 60-90 seconds). Share out at #cpplmakes

