

# SCREENPRINTING SETUP

## supplies

1. scoop coater - available at [www.victoryfactory.com](http://www.victoryfactory.com)
2. screen (loose mesh for fabric, very tight mesh for paper or very detailed graphics)- available at [victoryfactory.com](http://victoryfactory.com) or pearl art supply on hillsborough avenue
3. photo emulsion and sensitizer - available at pearl art supply
4. BBA photoflood bulb and red light- available at north tampa photography
5. pie tin - available at publix
6. high wattage light fixture - available at north tampa photography
7. screen hinges (available at pearl art supply)
8. screenprinting rig (wood, screws, and cardboard available at home depot)
9. squeegee (soft for fabric and very rigid for paper) available at pearl art supply
10. acrylic sheet to fit screen - available at home depot
11. black illustration board - available at school or pearl art supply
12. transparencies - available online or at kinko's
13. ink - available at pearl art supply



## setup - applying emulsion

1. in a "darkroom" (any small room with a red light) mix sensitizer and emulsion together according to the instructions on the label.
2. pour some sensitized emulsion into the scoop coater and apply to the upright screen.
3. let the screen dry (i use a fan to hasten the process.)

## setup - the image

1. get a transparency of the graphic that you want to use made at kinko's. the transparency should be black where you want color to be and blank everywhere else. you'll need to print a separate transparency for each color that you want to print.
2. place the transparency backwards on the screen once the emulsion has dried. place the acrylic sheet on top of the screen and transparency to keep it flat and place the black board under the screen.

## setup - the exposure area

1. cut cross in the center of the pie tin and place the light fixture through the hole. then put the bulb into the fixture and hang the whole contraption 10 inches from the screen (for a small screen) or 14 inches from the screen (for a large screen.)
2. expose the screen to light for 10 minutes (for a small screen) or 20 minutes (for a large screen.)

## setup - rinsing

1. once the screen is finished being "burned," rinse it under the bathtub sink until the loose emulsion rinses out. you may wish to get a bristle brush to help the process along.
2. dry the screen

## setup - the rig

1. screw the hinges to a piece of thick particle board or wood (anything flat will do.)
2. glue a piece of cardboard the size of the paper that you'll be using to the rig to lift it slightly off the base.
3. glue slightly thicker pieces of cardboard to the area immediately around the edge of the cardboard to serve as guides for alignment.
4. tape a printout of your design on the large cardboard to use as a guide for registration.