

Class Title: Knowledge is Powder

Class Description:

Want to take your powder coating skills to the next level? Students will learn how to inlay multiple colors into their metal designs. In this workshop, we will adapt the traditional champlevé enamel technique to the industrial powder coat system (ESD). Students will create soldered brass forms and learn how to use powder coat in multiple firings. We will also cover how to combine these forms with handmade sterling silver elements, such as posts, chains, and ring bands. Time will be allotted for questions, problem solving, and bonus techniques for personal projects at the end of the workshop. An earring/necklace template can be provided before class for students to complete with the workshop demos upon request.

Class Goals:

Goal 1 - By the end of this workshop, students should be able to successfully complete a small soldered brass jewelry form with the powder coat inlay technique.

Goal 2 – Answer any questions related to this technique at the end of the second workshop day.

Goal 3 – Provide additional bonus content and techniques to use in addition to the inlay technique learned in class.

Class Outline:

### **Workshop Day 1**

Short Artist Talk and Introduction

- About me
- Safety
- Equipment Needed
- What will be covered in each section of workshop

Drawing and Designs

Saw and Solder

Cut and File

Solder on Silver Components (if needed)

- Earring posts, ring bands, etc.

Blue Wheels and Brass Wheels

- Solder clean up
- Prepping for pc

#### Prepping Metal for Powder Coat

- Heat tape
- Armatures
- PC Safety

#### 1<sup>ST</sup> Powder Coat Layer

### **Workshop Day 2**

#### Liquid Powder Demo

#### Inlay Techniques

- Multiple colors for tie-dye effect
- Ombré effect

#### 2<sup>nd</sup> Firing

#### Finishing Techniques

- Filing and sanding earring posts, silver elements
- Soldering with powder coated elements

#### Time for questions and Trouble shooting

#### Bonus Content

- Drawing with powder coat
- More than two firings
- Engraving and filing then inlay
- And more?