

# Workshop Basics 1: Techniques, Tools, & Materials

## Enamel Principles

- 1.. Reflectivity: transparent on fine silver, transparent on copper
2. Transparency: air bubbles..grain size/layer thickness
3. Firing Stages
4. Time/Temperature Relationship
5. Firing Technique
6. Thermal Expansion & counter enamel
7. chemical reactions

## Technique

1. Prepare a copper and silver shape
2. Sifting/Painting enamel layers
3. Wire work: bending, application, placement, firing, refinement
4. Foils: commercial and hand-made, application, firing, layering, chemical reactions
5. Color layers and Flux layers
6. Color Blending & Banding
7. Grinding & Polishing: flex shaft, jool tool. Types of finishes

## Tools & Materials

1. Tools: kiln, firing , tweezers, scissors, brushes, mandrels, diamond burrs, glass brush, finishing
2. Materials: types of enamel, foils, holding agents
3. Holding Agents: Blu Stick, klyrefyre

## Enamel Language Development

1. enamel letters, words, sentences, paragraphs, stories
2. wire words, foil phrases, color combinations
3. Bridging Elements: connecting enamel words: enamel, foils, wire

## Concept: Panes of Glass

1. Each grain creates a pane of glass: has depth/height and width/edge/cliff
2. Each layer creates a pane of glass: has depth/height and width/edge/cliff
3. A layer can be as small as a grain or completely cover surface (or anything in between)
4. Carve through layers and add new layers
5. Cover up layers using opaque enamel or foils

# Workshop Basics 2: Learning Concepts

**Enamel Sketches:** Any form which helps you work out your questions.

1. preliminary study
2. plan or outline
3. composition/design
4. rough drawing
5. brief statement that presents the main points in a concise form
6. Types: technical, design, expression
7. Goal of your Sketch: learn something. What do you want to learn? Make it efficient.

## Intention

1. Goal or Desired Result: what do you want to happen?
2. What has to happen (physically) for this to occur?
3. Accountability: how will you know if you are successful? what to observe? how to observe it?

## Questions

1. Making your thinking visible
2. Asking the best questions to help you achieve your goal
3. Questions to give you direction and help you determine the next step or series of steps
4. Types of Questions: open or closed, what if? or how to?

## Self-Critique and Questions

1. What is your intention?
2. Is it working? Where is my eye going?
3. What can I change?

## Enamel Design Elements

1. hue/color
2. value
3. shapes
4. lines
5. texture
6. pattern

## Confidence

1. Repetition
2. Small successes
3. Goals: process goals, effort goals, result goals
4. Learning to answer your own questions
5. Become a Scientist: Design experiments to answer your questions

## Expression & Creativity

1. Your Passion: what do you love. Develop your personal themes.
2. Simple or complex statements
3. Types of expression: subject matter: feelings, places, people, styles, historical, color, nature, objects, ideas