

# Glass Jewellery Class

## Session 1 – Basic

### Glass Cutting and Fusing

#### EXPECTED LEARNING OUTCOME

- Demonstrate ability to design and construct Jewellery pieces using glass fusing techniques.
- Demonstrate knowledge of health and safety issues within a Jewellery workshop environment.

#### THE TASK

Students will explore techniques such as:

- Scoring and Cutting glass
- Using grozer pliers to break glass
- Grinding glass
- Different Fusing levels
- Texturing on glass
- Using metal wire to set glass as a pendant
- Soldering using electrical torch
- Understanding compatibility of glass
- How to set up the kiln for firing
- Setting temperature for the kiln
- Safety in the workshop

Glass technique will be introduced. Technique such as cutting, grinding, drilling and fusing and various fusing sub-techniques will be taught. Additionally, participant will be taught how to finish the final piece using metal (Copper / Brass) wire. Techniques such fusing must be applied for this project. Emphasis is placed on creative development of an organic form into a contemporary piece of jewellery. Participants are also required to consider function, aesthetics and material usage. In this workshop participant will be making a pendant.



TIME	PROGRAM
9:00 am – 10:00 am	Introduction to Glass Jewellery Project Understanding the importance and relevance of Glass in contemporary context. Health and Safety in the workshop
10:00 am – 12:00 pm	<b>Demonstration of Cutting Glass:</b> Cutting of straight and curved lines Practice glass cutting Design glass piece Select glass colors Cut glass for glass piece Form wire to be fused with glass.
12:00 pm – 12:30 pm	Final Arrangement of Glass Work Setting up the kiln Place glass pieces in kiln Start firing
12:30 pm – 1:00 pm	30 min Break
1:00 pm – 2:30 pm	Kiln to be switched off While glass is cooling (1 to 1.5 hours) Additional information on metal work such as Scoring and soldering



# Glass Jewellery Class

## Session 2 – Intermediate

### Fusing with Metal

#### EXPECTED LEARNING OUTCOME

- Demonstrate ability to design and construct Jewellery pieces using glass fusing techniques and soldering technique.
- Demonstrate knowledge of health and safety issues within a Jewellery workshop environment.



#### THE TASK

Students will explore techniques on glass with metal.

- Fusing
- Using dichroic glass
- Using glass stringers
- Hand engraving on glass
- Basic Soldering Technique for metal using blow torch
- Scoring and forming metal techniques
- Setting temperature for the kiln

More glass techniques will be introduced, especially on how to use dichroic glass and glass stringers.. Additionally, student will be taught how to solder metal to create and enclose area for the glass to complete the jewellery piece. Emphasis is placed on glass fusing techniques to make the jewellery – Ring.

TIME	PROGRAM
9:00 am – 9:30 am	Introduction to Glass Jewellery Project Health and Safety in the workshop
9:30 am – 12:30 pm	Introduction of glass types Demonstration of using dichroic glass Demonstration of using glass stringers Demonstration of hand-engraving on glass Cutting Glass in different shapes and sizes Filing and sanding glass into the right shape Cutting the selected glass and selection of colour for the final project Setting up the kiln Place glass pieces in kiln Start firing
12:30 pm – 1:30 pm	Lunch Kiln to be switched off
1:30 pm – 2:30 pm	While glass is cooling, Demonstration for metal work Shaping, soldering sanding and polishing of metal
2:30 pm – 3:30 pm	Construction of Metal work with copper wire Sanding and polishing of ring



# Glass Jewellery Class

## Session 3 – **Advanced**

### Designing Bangle

#### EXPECTED LEARNING OUTCOME

- Demonstrate ability to design and construct Jewellery pieces using glass fusing techniques.
- Demonstrate knowledge of health and safety issues within a Jewellery workshop environment.



#### THE TASK

- To apply techniques learnt in the previous sessions and create a Bangle
- Designing a piece of bangle using some or all of the techniques learnt
- Fusing can be applied.
- Soldering of metal and setting of glass onto metal work.

After attending basic and intermediate sessions, participant can now design a bangle on their own, with the guidance of the teacher. Additionally, participant will be taught how to finish the final piece using metal (Copper / Brass). Any techniques in fusing and fused glass materials can be applied for this project. Emphasis is placed on creative development of a geometrical form into a contemporary piece of jewellery. Participants are also required to consider function, aesthetics and material usage.

TIME	PROGRAM
9:00 am – 10:30 am	Health and Safety in the workshop Sketching and designing Discussion one to one Finalizing Design for Bangle
10:30 am – 12:30 pm	Selected glass and selection of colour for the final project Glass cutting and shaping Construction of metal
12:30 pm – 1:30 pm	Setting up the kiln Place glass pieces in kiln Start firing Lunch Break
1:30 pm – 2:30 pm	Metal forming and soldering.
2:30 pm – 3:00 pm	Sanding and Polishing of bangle.
3:00 pm – 3:30 pm	Fit glass to bangle For those whose glass pieces require second firing, to fire one more time
3:30 pm	Free time / exploration / use of studio / make other items
5:00 pm	Fit glass to bangle

