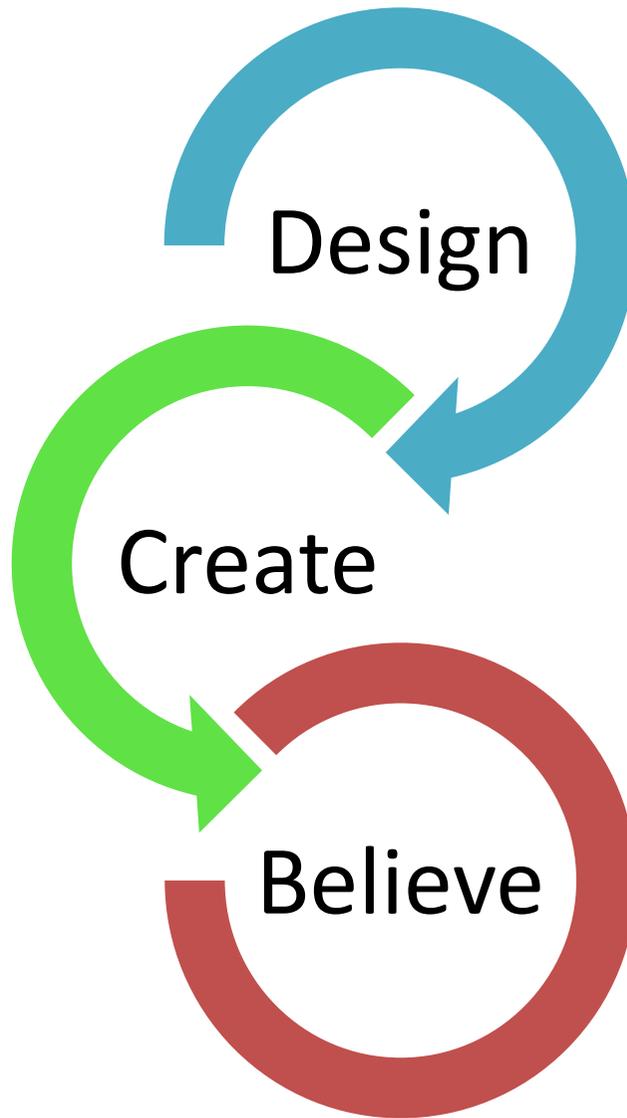


Mr. Shane Brouder is currently a 'Design and Technology Education' student of GMIT Letterfrack.

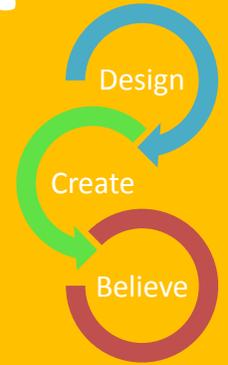


His dream is to facilitate unique design processing and encourage exciting manufacturing with respect to the subject Materials Technology (Wood). Mr. Brouder believes that utilizing new skills and incorporating new materials into the MTW classroom can develop a student's lifelong learning experiences.

Eli-Chem Resins are a British based company that specialise in manufacturing and distributing two part polymer resin systems. They are the main supplier for Resin Ready. MasterCast 1-2-1 is an exhilarating product and can be purchased from their website.



# Tea Light Display



## RESIN READY



## Step 1: Gather Apparatus

- ❖ MastCast 1-2-1 casting resin.
- ❖ Plastic mixing cup and spatula.
- ❖ Carbon paper.
- ❖ Scroll saw.
- ❖ Heat gun.
- ❖ Masking tape.
- ❖ PPE
- ❖ Ground Colour Chalk.
- ❖ Flat Surface.

## Step 2: Transfer Design

- ❖ Choose a suitable design.
- ❖ Cut to size.
- ❖ Cut carbon paper to size of paper design.
- ❖ Using tape fix to the face of the Tea Light.
- ❖ Trace over initial design with pencil.



- ❖ Carbon paper allows the design to be transferred onto the wood.
- ❖ Cut out shape on the scroll saw.

## Step 3: Prepare Mould

- ❖ Cover the cut hole with masking tape.
- ❖ Ensure there are no gaps.
- ❖ Place on a surface that is completely flat.



## Step 4: Mix & Tint

- ❖ Grind up preferred colour chalk into powder pigment.
- ❖ Pour 75ml resin into plastic measuring cup.
- ❖ Add 15ml of powder pigment.
- ❖ Mix thoroughly until there is an even colour consistency.
- ❖ Add the hardener.



- ❖ Mix substrate for an additional 3-4 minutes.

## Step 5: Pouring & Heated Air

- ❖ Slowly pour the resin into the readymade mould.
- ❖ Fill to the top of the casting space.
- ❖ Apply heated air with the heat gun.
- ❖ Do not hold heat gun too close to the resin as it creates ripples on the surface.
- ❖ Allow to set for 30minutes.
- ❖ Allow to cure overnight.



Video @

**RESINREADY.weebly.com**

