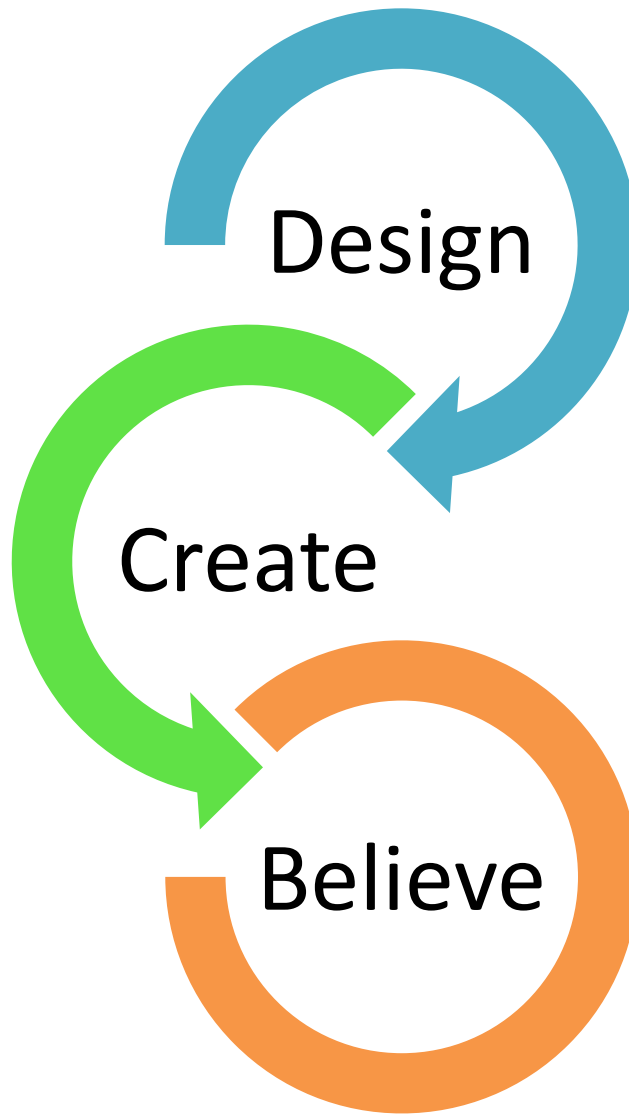


Mr. Shane Brouder is currently a 'Design and Technology Education' student of GMIT Letterfrack.

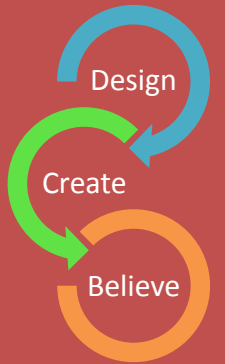


His dream is to facilitate unique design processing and encourage exciting manufacturing with respect to the subject Materials Technology (Wood). Mr. Brouder believes that utilizing new skills and incorporating new materials into the MTW classroom can develop a student's lifelong learning experiences.

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.



# Beach Phone Holder



## RESIN READY



## Step 1: Gather Apparatus

- ❖ MastCast 1-2-1 casting resin.
- ❖ Plastic mixing cup and spatula.
- ❖ Sand, shells, stones, cocktail umbrella.
- ❖ Plastic Sweet tin.
- ❖ Heat gun.
- ❖ Finished deck chair (working drawing supplied).
- ❖ Flat Surface.
- ❖ PPE

## Step 2: Prepare Mould

- ❖ Select a plastic sweet tub (eg. celebrations, hero's).
- ❖ Pare off any rib supports within the casting area using a scalpel.
- ❖ Precast a 5mm base.
- ❖ 100ml resin and 100ml hardener.
- ❖ Allow to set for 30minutes.



- ❖ Allow to cure overnight.

## Step 3: Layout & Mix

- ❖ Determine and plot the beach setting onto the cured precast base. (Shells, stones, etc.)
- ❖ Pour 150ml resin into plastic measuring cup.
- ❖ Add 150ml hardener.
- ❖ Mix the substrate thoroughly for 3-4 minutes.



## Step 4: Pouring & Heated Air

- ❖ Slowly pour the resin into the mould.
- ❖ When pouring drizzle some over the rocks to give the appearance of water running off.



- ❖ Ensure that the resin is spread to the edges of the mould.
- ❖ 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.

## Step 5: Finishing Touches

- ❖ Remove cast from mould.
- ❖ Once cured sand and polish the edges to give crystal clear finish.
- ❖ Glue the deck chair to the base using super glue.
- ❖ Drill a hole to stand umbrella.



Video @

**RESINREADY.weebly.com**

