

Student Materials & Tools List	
Class:	Small Object Casting Wax & Metal Working
Tutor:	Kathryn Wardill
Room:	Q1-105W

BYO MATERIALS - The following items are not included in your registration. Please bring the following with you:

- **Sterling Silver casting grain** – 60 grams, this is to melt and cast in the cuttlefish bone to produce one small sculpture. Please bring more silver and shells if you wish to cast more than one object. Please note that if you would like to cast in gold, this is possible, but the cost can be high, and you will need to bring the metal with you.
- **Cuttlefish shells** – you will need 4 shells (2 per casting) these need to be whole, with no cracks, and at least 5cm x 5cm – collect from the beach or buy online. Be careful when buying from pet suppliers as these may be too small to be used for casting.
- Wax carving tool set – approx. \$22: https://koodak.com.au/products/wax-carving-tool-set-3?_pos=12&_sid=e26829eb3&_ss=r
- Craft knife – approx. \$3.50: https://www.bunnings.com.au/craftright-precision-craft-knife_p0095321?store=6425&qclid=EAlaIqobChMli6elmMDTgAMV3QmDAX1E8g32EAQYASABEgLUVvD_BwE&gclidsrc=aw.ds
- Wax bench file (double ended) - approx. \$15: <https://koodak.com.au/products/wax-bench-files-double-ended?variant=29480608781>
- Wax needle files – approx. \$20: https://koodak.com.au/products/wax-needle-files-set-of-6?_pos=10&_sid=e26829eb3&_ss=r
- Jewellers saw – approx. \$25: <https://koodak.com.au/products/adjustable-saw-frames-80mm-depth?variant=16109986906206>
- Jewellers saw blades – size 2/0, 2 x 12 bundles
- Jewellers bench peg – approx. \$17.50: https://koodak.com.au/products/bench-peg-with-v-slot-clamp-1?_pos=1&_sid=6e79f9601&_ss=r
- Metal file (second cut flat metal) - approx. \$16: https://www.bunnings.com.au/hart-200mm-flat-second-cut-file_p5760247
- Permanent marker – fine tip 0.5mm: used to mark out on metal
- 1 x plain notebook
- 1 x ruled notebook
- 1 x writing pen
- 1 x **metal** ruler: used to measure wax
- **FULLY CLOSED SHOES:** you **MUST** wear closed shoes in the workshop

Approximate material cost:

- **+ \$300 BYO Material & Tools cost (approximately):** please note you may already have some of these materials.
- **+ \$100 McGregor Workshop Delivery Fee:** this covers additional materials, tools, & models (where relevant) specific to this workshop. These will be supplied by McGregor at time of workshop. Payable at time of workshop registration.

Optional Materials:

- Metal bronze casting grain – due to the price of silver, bronze is a suitable alternative:
<https://www.riogrande.com/product/bronze-casting-grain/104316GP/?code=104316>
- Metal scribe
- Metal dividers
- We will be using industry to cast objects. Allow a casting fee (up to \$10 per item), small postage fee, and fee for the metal per gram. As an indication, allow approx. \$50 for a silver cast ring

If you have a question that is specifically about the materials, please contact your tutor at kathrynwardill@hotmail.com or 0416 308 847

Workshop Schedule

Please note schedule as shown is a guideline only. Changes may occur.

Date:	7 January – 13 January 2024
Time:	9am – 4pm daily
DAY 1: Sunday 7th January	
<ul style="list-style-type: none">• Introductions to the subject, teacher and of students, including name tags, handouts• Theory:<ul style="list-style-type: none">- Safety- Equipment and supplies- Basic casting principals- Practical:<ul style="list-style-type: none">- Tools, materials- View samples- Consider design options for wax- Make wax model for casting	
DAY 2: Monday 8th January	
<ul style="list-style-type: none">• Demos for different wax working• Students to create wax model for casting• Models sent to casting company	
DAY 3: Tuesday 9th January	
<ul style="list-style-type: none">• Wax working demos, students to make wax models in soft and hard waxes	
DAY 4: Wednesday 10th January	
<ul style="list-style-type: none">• Cuttlebone casting of small object	
DAY 5: Thursday 11th January	
<ul style="list-style-type: none">• Return of castings• Finishing techniques demo (filing, sanding, polishing, oxidising)	
DAY 6: Friday 12th January	
<ul style="list-style-type: none">• Self-directed learning – students to continue making	
DAY 7: Saturday 13th January	
<ul style="list-style-type: none">• Self-directed learning – students to finish pieces• Clean-up of equipment and classroom, display and discuss our creations	