

Course title	Metal Fabrication		
Synopsis (30-40 wrds) inc requirements	This fantastic two day 'hands on' workshop will explore a wide variety of metal construction techniques introducing and understanding the many useful metalworking machines and processes available in metalworking shop.		
Course dates	various - 2 days	Course times	10-5
No of sessions	2	No of places	7
Course cost	£260		
Tutor	Andrew Revell		
Tutor Biography	Professional artist and tutor with decades of carpentry experience in theatre, tv and exhibitions sector. https://www.axisweb.org/p/andrewrevell/#artwork instagram @andrewprojects		
What will I learn	The aim is to get you confident and handy, able to design and fabricate useful artworks or objects, structures in metal in the LSW shop or your studio/shed. Starting with some fundamentals on the first morning exploring a wide range of tools, processes and method available in the workshop through making, onto a second day of personal projects with professional advice and guidance from an experienced tutor. For beginners there is a project available, but also useful professional advice and insight for creatives with their own project ideas.		
What will I do Day 1, Day 2 etc	1. An intense introduction to different metals, identification, properties, uses, shapes... 2. Specialist metalworking tools, for marking and measuring, 3. Drill bit 101, picking out and using the right cutting bits for best results. 4. Hand tools for metal, snips, punches, rivets and riveters, electric hand tools. 5. Making threads with taps and dies. 6. How to read a drawing, mark, measure, cut, fold and fix a sheet metal project. 7. Correct and safe operation of machine shop tools; Bench/pillar drills, finisher grinder, shears, guillotine, notcher, box and pan folder, bandsaw, bar bender, slip rolls... 8. Mig welder, spot welder and plasma cutter. Participants will get hands-on with a wide range of metalworkers, engineers tools, handle different metals, fixings and cutting tools. You will make some sample riveted and welded joints. Follow through a sheet metal project to mark, cut and fold your own metal box form using the machine shop. Use the Mig and spot welders. The second day will allow you time explore tools and materials for your own project as well opportunity to try out many other tools and processes.		
Additional information	Please note there will be a 1 hour lunch break each day (lunch not provided) It is essential to wear old clothes and strong footwear. Safe workshop practice will be covered. Basic materials are included		
What will I need to bring	Please bring a notebook/sketchbook It is essential to wear old clothes and strong footwear		