

### ASG Risk Assessment Form

Employees affected: - all ASG members and guests

Date of assessment: - 8<sup>th</sup> May 2024

Review date: May 2026

Activity.	Potential Hazards.	Existing Control Measures.	Degree of Risk.			Additional Action Required/Comment
			With Existing Control Measures.			
			Probability.	Severity.	Rank.	
Arriving at the club location.	Vehicle accidents.	<ul style="list-style-type: none"> <li>Designated and signposted parking area.</li> <li>Public zebra crossing on entrance to club.</li> <li>One-way entrance and exit.</li> <li>Dedicated pathways</li> <li>Area is well lit.</li> </ul>	2	2	4	
Attending the club.	COVID-19.	<ul style="list-style-type: none"> <li>Work in accordance with government guidelines and requirements of the lessor, ensuring sanitizer and other cleaning materials are available.</li> <li>Members to bring their own PPE as they feel appropriate.</li> <li>Members should not attend group meetings if they are suffering from COVID-like symptoms.</li> </ul>	2	2	4	
Soldering, Annealing & casting.	Fire, Burns, Explosions & Fumes.	<ul style="list-style-type: none"> <li>Check all equipment regularly and maintain its condition.</li> <li>Ensure soldering areas are clear of debris and flammable materials.</li> <li>Ensure tongs and tweezers are available to handle hot materials.</li> <li>Ensure the quenching bucket is close to the soldering area.</li> <li>Ensure goggles and gloves are available.</li> <li>Confine soldering activities to the soldering hearths provided and not in open areas.</li> <li>Members must not use the torches intended for soldering for any other purpose on their individual work benches.</li> </ul>	2	2	4	<ul style="list-style-type: none"> <li>Circulate risk assessment to new members on joining and annually to existing members.</li> </ul>

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Polishing.	Friction burns, trapped clothing.	<ul style="list-style-type: none"> <li>Do not wear clothing that trails or with tassels, or scarves that may get caught in the machine</li> <li>Tie long hair up</li> <li>Check equipment regularly and maintain condition.</li> <li>Polishers to be fixed to work surface before use</li> <li>Ensure goggles and gloves are available</li> <li>Train ASG members on best practice</li> </ul>	2	2	4	
Using the rolling mill.	Back damage from lifting.  Crushed limbs from dropping.	<ul style="list-style-type: none"> <li>Train ASG members on best practice</li> <li>Ask for assistance to lift the rolling mill (2 people minimum)</li> <li>Rolling mill to be fixed to work surface before use</li> </ul>	2	2	4	
Using electrical equipment, (hot crock & tumbler).	Fire from overloaded sockets.  Trip hazards from electrical leads.	<ul style="list-style-type: none"> <li>All ASG electrical equipment to be PAT tested annually.</li> <li>Train ASG members on best practice.</li> <li>Avoid trailing wires.</li> <li>Set up equipment in 'regular safe' places in the workshop.</li> </ul>	2	2	4	
Hammering, forging, raising, chasing, cutting and shaping.	Bruises and minor cuts or abrasions.  Ear damage from continued hammering.	<ul style="list-style-type: none"> <li>Work benches available to work on.</li> <li>Ear protection suggested for continuous hammering.</li> <li>Vices available for holding work safely.</li> <li>Use the right tool for the job: train ASG members on best practice.</li> </ul>	2	2	4	
Boiling Kettles.	Burns.	<ul style="list-style-type: none"> <li>Kettles set up safely away from work areas.</li> <li>Care taken when using kettles of boiling water.</li> </ul>	2	1	2	

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### General operations (Use of hazardous substances)

(Hazardous substances CoSHH folder held by staff at John Mason and also in our large storage cupboard.)

Activity.	Potential hazards.	Existing control measures.	Degree of risk.			Additional action.
			With existing control measures.			Required / Comment.
			Probability.	Severity.	Rank.	
Soldering, casting & annealing.	Use of pickling acid & solder flux.	PPE for clothing, hands, eyes & face.	2	2	4	Circulate risk assessment & safety document to new members & annually to existing members.
Spills from pickling pot (hot liquid).	Splashes to eyes, hands & face.	Neutrallise the spill with Sodium carbonate (washing soda) powder using appropriate PPE.	2	1	2	Splashes to face or hands, wash with copious clean water.
Applying solder flux from bottles or borax cone.	Splashes to eyes, Hands & face.	PPE for clothing, hands, eyes & face.	2	1	2	Treat as above.
Using gas torches.	Gas leakage in cupboard due to valves not tightly closed.	Remove torch heads from gas canisters at close of session and store canisters in labelled cupboard.	2	2	2	
All use of hazardous materials.	New members lack of knowledge.	Training will be given to those who haven't previously used hazardous substances.	1	1	1	

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<i>Probability</i>	<i>Severity</i>
1. Very unlikely (5 years or more).	1. Very minor injury (minor cuts/grazes. Very limited property damage/loss.
2. Unlikely (1-5 years).	2. More serious injury <3 days off work/incapacity (sprains, more serious cuts, bruising. Injury needing medical attention. Slight property damage/loss.
3. Likely (6-12 months).	3. RIDDOR reportable (to HSE) injury/sickness (except fatality). More than 3 days incapacitated. Significant property damage/loss.
4. Very likely (1-6 months).	4. RIDDOR reportable (to HSE) injury/sickness affecting more than one person (excluding fatality). Major property damage/loss.
5. Certain (more than 1 per month).	5. Single or multiple person fatality. Catastrophic property damage/loss.

### Risk Ranking

1-5	Low Risk
6-15	Medium Risk
16-25	High Risk

	1	2	3	4	5	Severity
1	1	2	3	4	5	
2	2	4	6	8	10	
3	3	6	9	12	15	
4	4	8	12	16	20	
5	5	10	15	20	25	
Probability						

Assessor's details					
Name: -	Michael Waite, Technology Technician, St Birinus School, Didcot.	Position.	ASG committee member.	Signature and date: -	8 <sup>th</sup> May 2024  