

PERSONAL PROTECTIVE EQUIPMENT IN THE MAKERSPACE





SBME MAKERSPACE: SPLIT BY FUNCTION



- The makerspace is split into 2 rooms, the additive and subtractive spaces.
- Each room has its own equipment and therefore rules for PPE usage and safety considerations.
- There will be specific safety and PPE training for each tool which requires it, this is meant as an overview.
- REMEMBER: IF YOU HAVENT BEEN TRAINED ON A TOOL YET, ASK A TA OR THE TECH





SBME MAKERSPACE: ADDITIVE HAZARDS



- The additive space is used mainly for electronics and 3D printing, but may also have miscellaneous equipment in the space at times.
- The main safety considerations include:
 - Handling of resin (and resin / IPA - contaminated materials)
 - Electrical shock
 - Cuts / lacerations
 - Fumes from soldering



SBME MAKERSPACE: ADDITIVE HAZARDS



- Resin and FDM printers:
 - Always wear nitrile gloves when working with uncured or partially cured resin.
 - Never touch the nozzle of the FDM printer during use (it operates at 200 Celsius!).
 - Ensure overhead ventilation is on during printer usage.
 - Do not adjust settings or perform filament changes without supervision or approval.
 - If a printer is causing failures, notify a TA or the Technician.





SBME MAKERSPACE: ADDITIVE HAZARDS



- The equipment and components used in the makerspace are generally low voltage and low current, but care must still be taken.
 - Solder only under an active vent hood.
 - Plug soldering irons into timed outlets.
 - Do not use equipment with exposed or frayed wires / cords, especially if connecting a power supply or wall outlet.
 - Do not work near water hazards or flammable materials.
 - Do not disassemble electrical equipment.





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School of Biomedical Engineering

Faculties of Applied Science and Medicine



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