Remote Making

Remote Making Overview

Welcome to our remote making resource site. Use the navigation tree on the left to find your remote maker activity. On the activity page you will find remote making safety information and guidelines. You can also use the labels list below to list pages with specific labels.

Living in an MIT Dorm?

If you live in an MIT dorm, you need to get permission from DSL before using any tools. The DSL contact for this process is Alice Ursella (aursella@mit.edu), the Environmental Health and Safety Program Manager in DSL. See MIT Housing Policy on Fire and Life Safety.

At this point, we are able to provide guidance for the following activities/technologies. There are other activities/technologies that we are working to add to this list.

Table of Contents

- 1. Chemistry
- 2. Paper, Foam, and Cardboard
- 3. Woodworking
- 4. Soldering
- 5. 3D Printing Polymers (FDM)
- 6. 3D Printing Polymers (Non-FDM)
- 7. Jewelry
- 8. Adhesives
- 9. Painting
- 10. Composites and Resins
- 11. Nuclear and Radiological
- 12. Sewing and Cloth
- 99. Other

If you did not find the particular activity, process, or tool you are thinking of working with at home, please contact the MIT Project Manus team. We will follow up with you on your project and plan, as well as adding new information to this wiki guide on remote making.

Risk Color Coding

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Green tools are low-risk tools that usually do not require tool-specific training. Student may only proceed with using the tool after (i) reading specified information and (ii) completing basic preparatory work.</td>
</tr>
<tr>
<td>Yellow</td>
<td>Yellow tools are low-risk tools that may require training or important preparation. Student may only proceed with using the tool after they submit a (i) a risk acknowledgement and (ii) a compliance checklist form that does not require additional work (preparation, training, communication etc…) with MIT EHS and/or Project Manus. If additional work is required, student may only proceed with using the tool once MIT EHS gives written permission.</td>
</tr>
<tr>
<td>Orange</td>
<td>Orange tools are moderate-risk tools if appropriate training, processes, and oversight are in place. They typically require training, special preparation, and planning. Student may only proceed with using the tool after they submit (i) a risk acknowledgement, (ii) a completed safety plan form, (iii) discuss their safety plan with Project Manus and EHS, and (iv) then receive written permission from MIT EHS. Orange tools will typically require that you have had (or will take) formal training.</td>
</tr>
</tbody>
</table>
Red tools are high-risk tools/technologies that are generally only allowed to be worked with on campus in a controlled environment with proper supervision and support. Red tool use in remote making is not permitted unless there are extraordinary circumstances and measures in place. To receive authorization to use a red tool, a faculty member must make a request on the student’s behalf. Project Manus and MIT EHS will then discuss the situation with the faculty member and student to assess the situation. Permission to use red tools will be very rare.

Labels

1. A-B
   - acetylene
   - acrylic_cement
   - acrylics
   - adhesives
   - bandsaw
   - beading
   - brazing
   - butane

2. C
   - cardboard
   - chemistry
   - circular_saw
   - cloth
   - cnc_router
   - collection
   - composites
   - contact_cement
   - cyanoacrylate

3. D-G
   - documentation
   - dremel
   - dremel_tool
   - drill_press
   - electric_hand_drill
   - epoxy
   - fdm
   - foam
   - goop
   - gorilla_glue
   - green

4. H-L
   - hand_tools
   - home
   - hot_wire_cutter
   - industrial_adhesives
   - industrial_paint
   - jewelry
   - jigsaw
   - jointer
   - knife
   - latex_paint
   - leather

5. M-N
   - mapp
   - marine_paint
   - metal
   - methyl_cellulose
   - milk_paint
   - miter_saw
   - non-fdm
   - non_fdm
   - nuclear

6. O-Q
   - olfa_knife
   - orange
   - oscillating_saw
   - oxygen
   - painting
   - paper
   - paste
   - pen_knife
   - planer
   - propane

7. R
- radiological
- reactive_adhesives
- reciprocating_saw
- red
- reference
- resin_casting
- resins
- router
- router_table

8. S
- sander
- scissors
- sewing
- silicone_sealant
- sla
- soldering
- soldering_iron
- solvent
- solvents
- specialty_adhesives
- superglue

9. T-V
- table_saw
- torch
- two_part_reactive_adhesives
- urethane
- utilityKnife
- vinyl
- vinyl_cutter

10. W-Z
- welding
- white_glue
- wiki
- wire
- wire_bending
- wood
- wood_glue
- wood_lathe
- woodworking
- yellow

11. 0-9
- 3d_printer
- 3d_printing
- 3d_printing_polymers

Forms, Contact Information, and External Resources

- Link: remote making risk acknowledgement
- Link: remote making checklist
- Link: remote making safety plan
- Link: Finding local hazardous waste disposal
- Email: Q&A and Discussion to mit-remote-making@mit.edu