

GYPSUM/PLASTIC RP: PRE-APPOINTMENT CHECKLIST

Making sure you have everything you need before you go into an appointment can be confusing, but it is an essential step for you to take the success of your project into your own hands. These worksheets are here to help you be as prepared as you can be to have a great experience, and are meant as a conversation starter between you and shop staff about your aspirations before making an appointment. **Completed worksheets are due at the time of appointment: students without completed worksheets at the time of appointments are subject to appointment cancellation.**

APPOINTMENT INFORMATION

Name: _____ Date of Appointment: _____
Class Title: _____ Name of Faculty: _____

Area/Process (CIRCLE ONE): PLASTIC RP GYPSUM
Time period reserved: _____

PRE-APPOINTMENT CHECKLIST

Before your appointment, please verify the following:

I am aware that there is a fee of \$5.00 per cubic inch for my printed parts.
Made an appointment on 3dshop-appointments.mcad.edu 24 hours in advance
I have exported a valid, watertight .stl file from my 3D modeling platform

I have taken into account my needs of the final product in my choice of processes
****Products from the gypsum printer are rich in detail, whereas RP products are structurally stronger.**

I have verified that my model fits within the constraints of the machine I wish to use.

I have oriented my file in a way that will result in a more successful print

***Consider the following:*

- Lying your print on its side for tall prints
- Splitting a larger print in half
- Adding supports and sidewalks for spindly and fragile prints

I have oriented my model in a way that will aid a more successful print

I have budgeted additional time for my product to cure/soak

****Budget an additional hour and super glue/wax for gypsum prints, and an additional 4-8 hours for RP to remove support material in acid bath**

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I am aware that if my file's print time runs into another student's scheduled time, appointments may be rescheduled.

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I have read tutorials relevant to the area/process you wish to use

****Online: <http://intranet.mcad.edu/department/3-d-shop>**

A gentle reminder that any 3D modeling processes occurring on Form Z or any other external

*platforms are the responsibility of the student in conjunction with curriculum before printing
A file is considered ready for printing when exported into valid, .cube3 file types.*

TECHNICAL CHECKLIST: TO BE COMPLETED AT TIME OF APPOINTMENT

PLASTIC RP CHECKLIST

Think youre ready to print? Please check off tasks below to set up your material!

- Upload your file onto the PC desktop.
- Open CatalystEX 4.4 from the desktop.
- Check the orientation of your object
- When you are happy with the orientation, click "Add to Pack"
- Under the "Pack" tab, drag your model into the upper right of your print plate.
- Check the volume of your print under "Pack Details"
- RECORD VOLUME HERE: (Support)_____+(Model)_____ = (TOTAL) _____**
- Fill out print receipt form located in RP room
- Notify Shop Staff before sending to print.

GYPSUM CHECKLIST

- Upload your file onto the PC desktop.
- Open 3D Print from the desktop.
- Check the orientation of your object
- Check the volume of your print under "Print Time Estimator"
- Fill out print receipt form located in RP room
- Notify Shop Staff before sending to print.

For Shop Technicians Use Only:

Length of Print:	Type of Material:
Number of Restarts:	Reciept of payment received:
Size of Print:	Technician Signature: