

Template and Sample Questions for Maker Literacy Post-Assessments

Start of Block: Sample Introduction Post-Assessment

At the beginning of the course, we conducted a survey to assess students' [Competency or Competencies] skills in [Course Number]: [Course Name]. Now we are asking a very similar set of questions to measure how students' [Competency or Competencies] skills and habits have changed since the beginning of the semester.

This survey should take about 15 minutes or less, and must be completed in one session. The deadline for taking the survey is [Deadline] at midnight. This survey is not graded, but is mandatory and will be counted as part of your participation grade for the course.

End of Block: Sample Introduction Post-Assessment

Start of Block: FabLab Equipment Familiarity Post-Assessment

Now that you have taken this course, please rate your knowledge of how to use the equipment in the UTA FabLab, both now at the beginning of the semester:

	None	Beginner	Novice	Intermediate	Competent	Advanced	Expert
3D Printing, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D Printing, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D Scanning, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D Scanning, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Laser Cutting/Engraving, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Laser Cutting/Engraving, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CNC Vinyl Cutting, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CNC Vinyl Cutting, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Screen Printing, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Screen Printing, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sewing Machine / Serger, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sewing Machine / Serger, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CNC Embroidering, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

CNC Embroidering, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CNC Milling, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CNC Milling, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
File Preparation for Digital Fabrication, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
File Preparation for Digital Fabrication, at beginning of semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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In your own words, describe briefly how a 3D printer works:

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In your own words, describe briefly how CNC technologies work:

End of Block: FabLab Equipment Familiarity Post-Assessment

Start of Block: Time Management Post-Assessment

After having taken this course, how would you rate your time management skills?

- ☐ poor
- ☐ below average
- ☐ average
- ☐ above average
- ☐ excellent

Thinking back to the beginning of the semester, how would you have rated your time management skills then?

- ☐ poor
- ☐ below average
- ☐ average
- ☐ above average
- ☐ excellent

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In your own words, describe some of the tools and practices that you use to help manage your time. Be specific, for example, instead of saying "calendar" write "Outlook calendar" or "Google calendar".

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Below is a list of effective time management practices. Select the frequency with which you use each now, and the frequency with which you used each at the beginning of the semester.

	Never	Sometimes	About half the time	Most of the time	Always
Now I schedule work to meet deadlines in time.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the beginning of the semester, I scheduled work to meet deadlines in time.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Now I use a calendar for appointments, deadlines, and daily tasks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the beginning of the semester, I used a calendar for appointments, deadlines, and daily tasks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Now I make a daily to-do list and refer to it several times per day.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the beginning of the semester, I made a daily to-do list and referred to it several times per day.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Now I outline project milestones,	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

identify their dependencies, and follow critical paths to accomplish goals.

At the beginning of the semester, I outlined project milestones, identified their dependencies, and followed critical paths to accomplish goals.

Now I plan extra time to allow for failures and multiple tests and iterations.

At the beginning of the semester, I planned extra time to allow for failures and multiple tests and iterations.



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If you used a 3D printer in the UTA FabLab this semester, describe in your own words what you did with your time while waiting for your object to print.

End of Block: Time Management Post-Assessment

Start of Block: Assembling Effective Teams Post-Assessment

Now that you have taken this course, tell us how good are you with the following team building practices, both now and at the beginning of the semester.

	Extremely bad	Somewhat bad	Neither good nor bad	Somewhat good	Extremely good
Recognizing opportunities to collaborate with others, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recognizing opportunities to collaborate with others, at the beginning of the semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evaluating the costs & benefits of “Doing--it--Together” (DIT) vs. “Doing-it--Yourself” (DIY), now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evaluating the costs & benefits of “Doing--it--Together” (DIT) vs. “Doing-it--Yourself” (DIY), at the beginning of the semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seeking team members with skills appropriate for specific project requirements, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seeking team members with skills appropriate for specific project requirements, at the beginning of the semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Joining teams where your skills are sought and valued, now	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Joining teams where your skills are sought and valued, at the beginning of the semester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

End of Block: Assembling Effective Teams Post-Assessment

Start of Block: Knowledge Management Post-Assessment

In your own words, describe your experience with team-based or collaborative writing projects.

In your own words, describe your experience revising or rewriting documents that were written by someone else.

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Below is a list of effective knowledge management practices. Select the frequency with which you use each now, and the frequency with which you used each at the beginning of the semester.

	Never	Sometimes	About half the time	Most of the time	Always
Now I communicate clearly with team members and stakeholders.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the beginning of the semester, I communicated clearly with team members and stakeholders.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Now I restate technical and “maker” jargon in lay language.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the beginning of the semester, I restated technical and “maker” jargon in lay language.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Now I document my work clearly, concisely and in a timely manner.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
At the beginning of the semester, I documented my work clearly, concisely and in a timely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

manner.

Now I use
version control
to manage
project outputs
and
documentation.

☐☐☐☐☐

At the
beginning of
the semester, I
used version
control to
manage
project outputs
and
documentation.

☐☐☐☐☐

Now I preserve
project outputs
and
documentation
for long -term
access.

☐☐☐☐☐

At the
beginning of
the semester, I
preserved
project outputs
and
documentation
for long -term
access.

☐☐☐☐☐

End of Block: Knowledge Management Post-Assessment
