

# Guide to Integrating BeAM into Large Classes

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## Goals of this Guide

This guide walks through the process of incorporating BEAM into large courses and making it efficient, stress free and fun for students. In IDST 190 sec. 007, students used BEAM to create movie props (each group of 8-10 students produced one prop using a variety of techniques: laser cutter, 3D printer, embroidery, etc.).

## Recommendations/best practices

1. Introduce Beam early in the semester (first or second week of classes)
2. Invite a rep from BEAM to present students with fun facts about BEAM
3. Split students in smaller groups (teams of 8-15 MAX) and schedule a variety of sessions for students so that everyone can be accommodated for training. Requiring each student in a class of 150-250 to produce a BEAM prop would not be feasible due to the large quantity of students that would have to use BEAM at the same time
4. Have variety of training sessions available to students (different days, times)
5. Show students samples of products they could create
6. Bring in pictures, show PPTs, mini videos etc.
7. Allow students to be creative and to use the tools of their choices so that they can experiment on their own

## Things to Avoid

1. Do not give too much information, require large sophisticated project (you might scare the students off or discourage them)
2. Do not make it boring/too hard to accomplish (instead of creating very complicated projects, make them simple and straight forward; use available resources and let students be creative with repurposing items)
3. Do not tell them exactly what they should use, let them figure it out on their own.

## Modifications

1. Because of time limits I had to narrow the project down to 1 prop instead of 2-3 for each group
2. Show a PPT with sample pictures of what they might want to create to give them ideas
3. Switch students to different groups if the group dynamic is not working for them

## Other Resources

SAMPLES OF MOVIE PROPS STUDENTS PRODUCED IN IDST 190 SEC. 007 EXPERIENCING LATINAMERICA

