The Moral Dilemma of Going Back: How the Pandemic Changed My Teaching
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Rotary eClub of Silicon Valley
25 September 2021
Higher learning gains
Better retention
March 2020

before (and just after) pandemic
Team based

before (and just after) pandemic
Project based before (and just after) pandemic
Intrinsic motivation before (and just after) pandemic
before (and just after) pandemic
no lectures

no exams

before (and just after) pandemic
March 13, 2020

before (and just after) pandemic
Instructional continuity between first and second half?

1 before (and just after) pandemic
86% agreed

Instructional continuity between first and second half?

1 before (and just after) pandemic
Summer 2020
Moving online

“How can I transfer online what I do in the classroom?”
“How can I transfer online what I do in the classroom?”
(challenge)
Moving online

“How can I transfer online what I do in the classroom?”

(challenge)
Moving online

“How can I transfer online what I do in the classroom?”
(challenge)

“What can I do online that I cannot do in the classroom?”
(opportunity)
Changes implemented

- Minimize sync/instructor-paced
- Personalize instruction
Changes implemented

• Minimize sync/instructor-paced

• Personalize instruction

• Specifications Grading
Fall Content Learning Gain

![Bar chart showing Fall Content Learning Gain for in person and remote FCI results.]

- **In person** gain: ~10%
- **Remote** gain: ~20%

3 results
Spring Content Learning Gain

![Bar chart showing comparison between in-person and remote learning gain for CSEM. The bar for remote learning is significantly taller than the one for in-person learning.]
Self Efficacy

belief in ability to succeed in a certain domain
Doubling of:

- content learning gains
- physics self-efficacy gains

Research Shows Students Falling Months Behind During Virus Disruptions

The abrupt switch to remote learning wiped out academic gains for many students in America, and widened racial and economic gaps. Catching up in the fall won’t be easy.
• sense of growth and autonomy
• sense of support and community
• course evaluation
I did my best teaching ever remotely!

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I did my best teaching ever remotely!

So, now what?
Building together
Revert back?
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