Is there an app for that?

Eli Edwards, Emerging Gechnologies Research Librarian Santa Clara University School of Law



A caveat: This presentation is more about questions than answers.

Why me and why this topic?

I'm interested in how students learn, generally, and how lawyers learn, specifically.

One of my motivations for this:

I took the California Bar Exam **3** times. And the Washington State Bar Exam once.

(Sticking a pin in that until the end)



Sadly, I am not alone ...

LAW SCHOOLS

With Second-Worst Pass Rate In More Than 30 Years, Almost Everyone Fails California Bar Exam

The overall pass rate was just 31.4 percent.

By STACI ZARETSKY

May 20, 2019 at 11:42 AM

Slight exaggeration - the headline, that is. Just the headline.

School Type	First-Timers	Repeaters
California ABA	45%	38%
Out-of-State ABA	48%	30%
California Accredited (but not ABA)	21%	13%
Unaccredited: Fixed-Facility	0%	8%
Unaccredited: Correspondence	29%	22%
Unaccredited Distance Learning	28%	10%
All Others	42%	22%
All Applicants	41%	28%

California Bar statistics on Winter 2019 test results, courtesy of Above the Law (May 20, 2019)

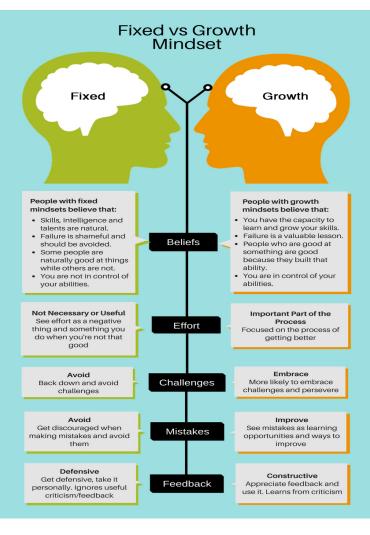
My goal? (Among many others)

Help students find out how they learn best

"One of the gaps or problems in the educational system is that no one ever helps a student figure out how to learn, and yet that's the primary challenge a student is faced with. You've got to assist them with how to do that. And that's where I think we're failing somewhat." - Mark McDaniels, Professor of Psychological & Brain Sciences, Washington University in St. Louis

What works (that we know about)

The Growth Mindset

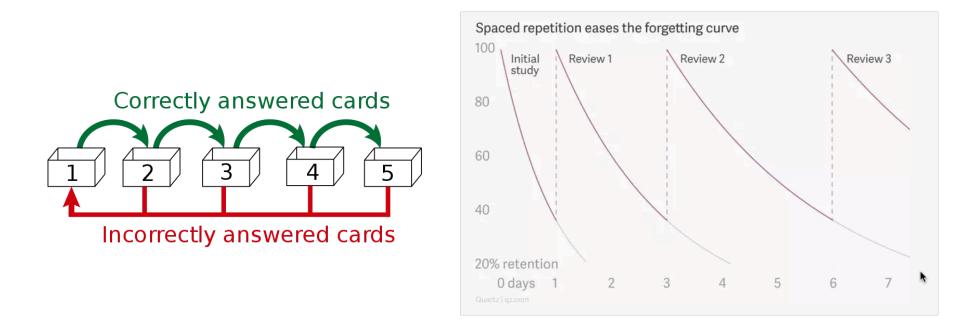




Studying With Quizzes Helps Make Sure the Material Sticks



Retrieval practice: (NOT just endlessly reviewing outlines but actually quizzing and testing what you know)





Spaced repetition (or, the Leitner method of reviewing flashcards)



Can Handwriting Make You Smarter?

Students who take notes by hand outperform students who type, and more type these days, new studies show



Handwriting notes rather than typing/transcription (my students don't like hearing this)

Step 1

Write the name of the concept at the top of a blank piece of paper.

Step 2

Write down an explanation of the concept on the page. Use plain English. Pretend you are teaching it to someone else (e.g a new student). This should highlight what you understand, but more importantly pinpoint what you don't quite know.

Step 3

Review what you have pinpointed you don't know. Go back to the source material, reread, and re-learn it. Repeat Step 2.

Step 4

If you are using overly wordy or confusing language (or simply paraphrasing the source material) try again so you filter the content. Simplify your language, and where possible use simple analogy.



The Feynman Technique (although finding a child may be the hardest part)



Now, a violent segue into gamification

"Gamification' is an informal umbrella term for the use of video game elements in non-gaming systems to improve user experience (UX) and user engagement." -

Deterding, S. Dixon, D. Khaled, R., Nacke, L. Gamification: Toward a definition. CHI 2001 gamification workshop (2011) at http://gamification-research.org/wpcontent/uploads/2011/04/CHI_2011_Gamification_Workshop.pdf

ODDLY ... there is a LOT of scholarly material about tech & legal ed



Brow

You searched: technology legal education

Sort by: Downloads, Descending 🗸

Viewing: 1 - 50 of 387 papers

... but almost nothing about gamification in legal ed

SSRN

You sear	ched: games law school
Sort by:	Downloads, Descending 🗸
ewing: 1	31 of 31 papers

Mostly false positives, so the real result was single digits

From Professor Stephanie Kimbro, Stanford Law School:

"Gamification occurs when you take a process, such as shopping for a product

or entering data into a website, and add game elements, such as progress bars,

badges, rewards, or recognition, to that process to motivate the user to complete the

tasks in a more desired way. Gamification strategies have been used in businesses with

differing levels of sophistication for issues including customer relationship management,

training, market research, business intelligence, and education."

Kimbro, Stephanie L., Increasing Online Engagement between the Public and the Legal Profession with Gamification (March 25, 2015). Available at SSRN: <u>https://ssrn.com/</u> <u>abstract=2586150</u> or <u>http://dx.doi.org/10.2139/ssrn.2586150</u>

Why games?

- They're pervasive
- They use models and simulations that are based on reality
- They're engaging
- They are proven to make a positive impact on cognition and behavior.
- They yield a lot of data about users/players
- They provide a safe environment.

Jackson, Dan and Davis, Martha F., Gaming a System: Using Digital Games to Guide Self-Represented Litigants (2016). Northeastern University School of Law Research Paper No. 252-2016. Available at SSRN: https://ssrn.com/abstract=2719926

Existing gamification in the legal academy

Earn Rewards while you improve your research skills.

What is the LexisNexis® Rewards Program?

You'll earn LexisNexis® Rewards points for research and training. Redeem them for an Amazon.com Gift Card,* or thousands of items in the Rewards store. Look for our Rewards tab on Facebook to learn more: facebook.com/LexisNexis4LawStudents

Your first 400 Rewards points.

You've earned your first **400** points – worth a \$5 Starbucks Card, \$5 Amazon.com[®] Gift Card or a donation to charity – just by registering your LexisNexis ID. Redeem your points easily by clicking My Rewards at: lexisnexis.com/lawschool.

Don't need anything? Be a giver!

If you came to law school to make a difference, LexisNexis Rewards gives you a great opportunity. Donate your points to the charity you choose. Just go to Donate Now after clicking My Rewards on the Law School Home Page, lexisnexis.com/lawschool.

amazon.com.





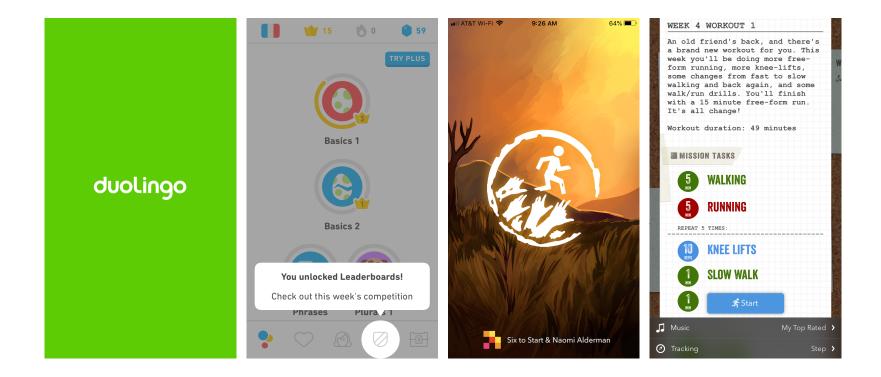


My own bias: Gen X casual gamer with lots of gamer friends

How some acquaintances of mine legitimately lost weight and started getting active: playing Dance Dance Revolution on their PlayStations



How I started learning French & how to jog:



Gaming downsides from some colleagues:

- ★ "Unfortunately, many equate gamification with points, badges, and leaderboards (or PBLs)-the lowest forms of gamification. PBLs can be hugely demotivating if you're not scoring in the top five." Debbie Ginsberg & Michelle Spencer, "Real-World Legal Technology Training," AALL Spectrum, Mar/April 2018
- ★ "A common criticism of schools is that knowledge is gathered for exchange value instead of encouraging exploration. Leaderboards and badge systems simply swap out one value (grades) for another (rank/points/prizes). Worse still, as C. Scott Rigby discusses in her article "Gamification and Motivation," studies show that rewards can have the paradoxical effect of decreasing interest in the core activity itself. The rewards pull focus from the fundamental value of the activity and stunt the development of internalized motivation." Casandra Laskowski, "Pedagogical Lessons from Video Games," AALL Spectrum, Mar/April 2019

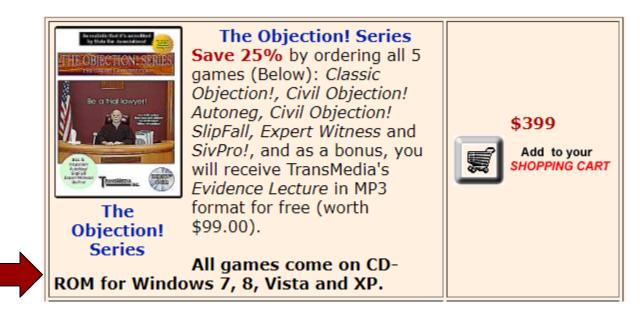
However, I think there's room for SOME gamification ...

"Although critics of gamification have valid concerns about the way it is frequently applied, particularly in business settings, most of these concerns can be overcome by taking the time to selectively apply gamification programs that are narrowly applied to specific goals."

- Carli Spina, "Gamification: Is It Right for Your Library - The Rewards, Risks, and Implications of Gamification," AALL Spectrum, April 2013



From Transmedia:



When was this last updated??

Self-made games

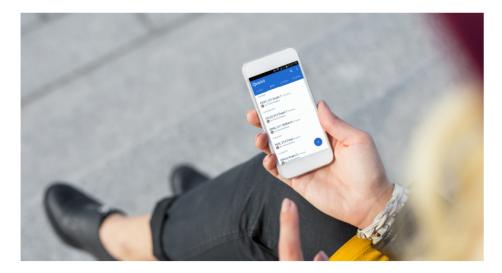
Touro Trial

I use a PowerPoint jeopardy type game called Touro Trial as a collaborative authentic assessment midway and three-quarters of the way through the fall semester to gauge what skills need further reinforcement and what the students have learned. Touro Trial serves to assess a student's ability to think through a problem, answer citation questions, and explain how to do research, while presenting the answer to each question in a courtroom manner. Students work in teams to answer questions of increasing difficulty presented on PowerPoint slides, and the students compete against other teams to answer the question correctly first. Questions range from "write the cite" to questions asking about how to research an area of law or how to find a case or statute. Students earn "Touro Trial dollars" for correct answers and the ultimate goal is to be the team with the most money.

Dennis, Johanna K. P., Assessing Student Learning Through Powerpoint 'Games' (February 11, 2009). Second Draft, Vol. 23, Spring 2009; Vermont Law School Research Paper No. 10-14. Available at SSRN: https://ssrn.com/abstract=1408593

Not a game, definitely an app

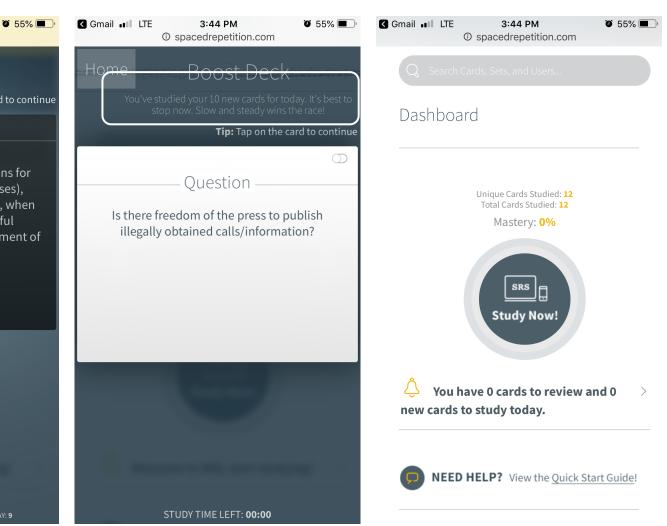
Study Smarter with Digital Flashcards



Quizlet Price: Free / iOS & Android

Along the lines of Quizlet, we have Spaced Repetition

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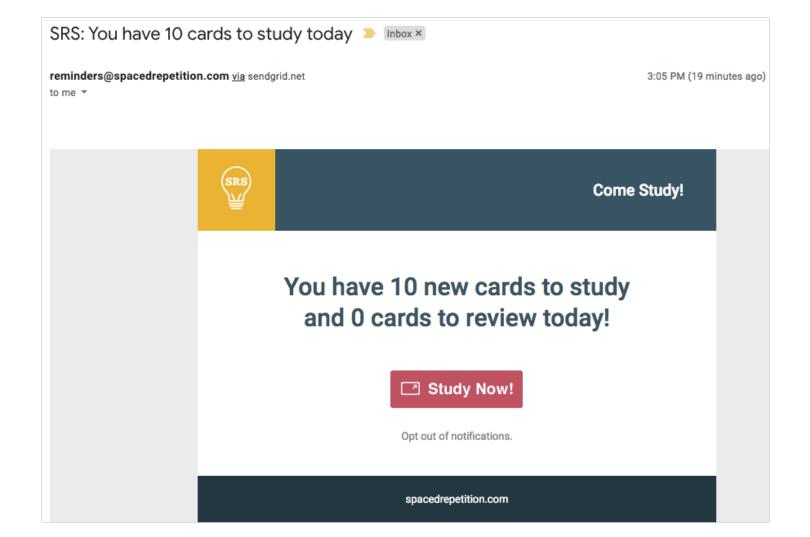
Tip: Tap on the card to continue A Tip In rem PJ occurs with respect to actions for condemnation (eminent domain cases), forfeiture of property to the state (e.g., when the property is used for the unlawful transportation of narcotics), and settlement of

decedents' estates.

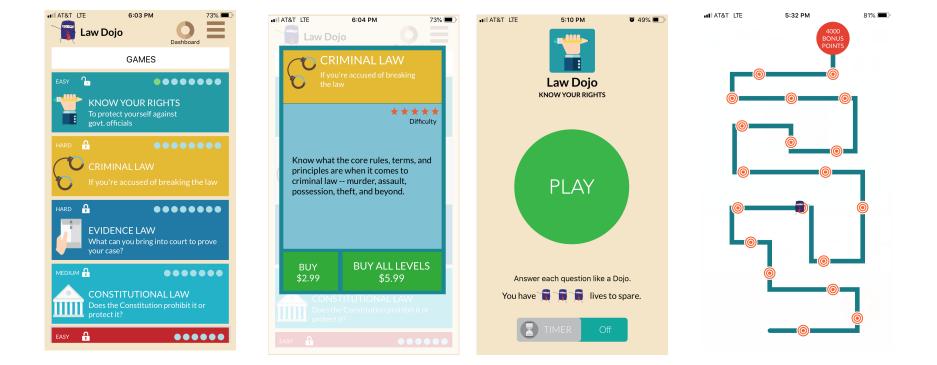
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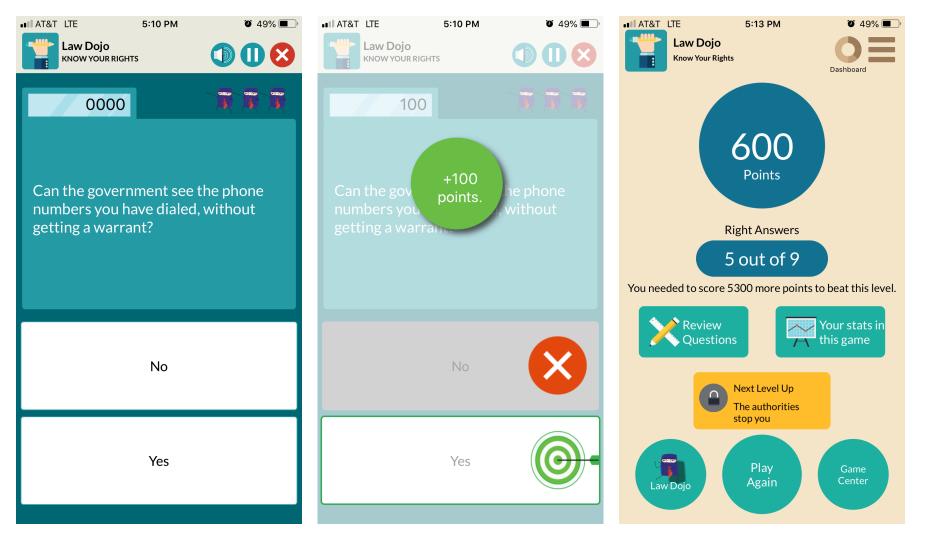
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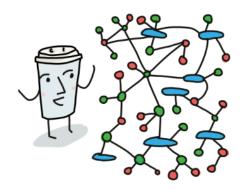
From Stanford: Law Dojo http://www.lawschooldojo.com/





And Learned Hands (Stanford & Suffolk Law: https:// learnedhands.law.stanford.edu/

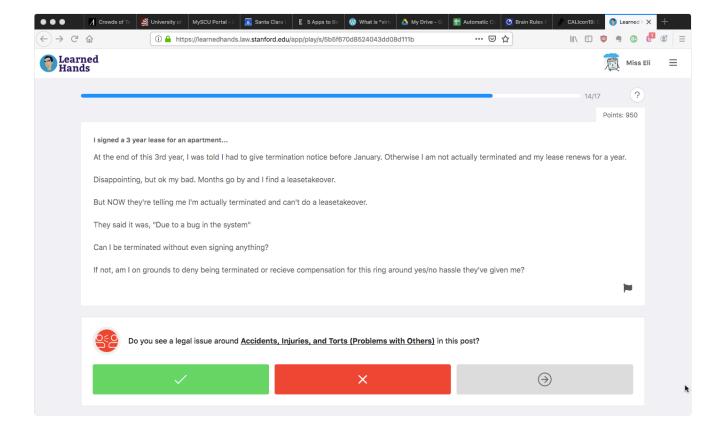




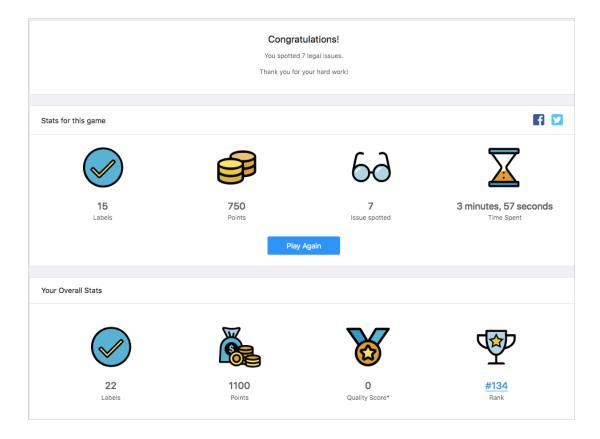
What is Learned Hands?

Learned Hands is a game in which you spot possible legal issues in real people's stories about their problems. You read the stories, and then say whether you see a certain legal issue — family law issues, consumer law issues, criminal law issues, etc.

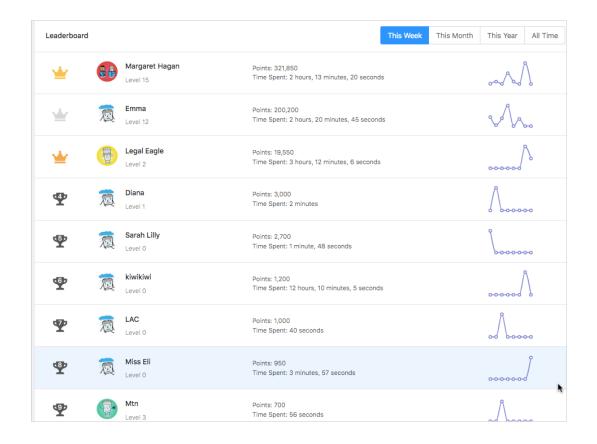
The game is also a research project. Each time you play, you are training a machine learning model to be able to spot people's legal issues. This model will be used to develop access to justice technologies that connect people with public legal help resources. It will help us to make a Rosetta Stone for legal help — linking the legal help guides that courts and legal aid groups offer to the people who are searching for help.



Read the scenario (some of these taken from Reddit) and choose whether it's relevant. You get points if you match the consensus.



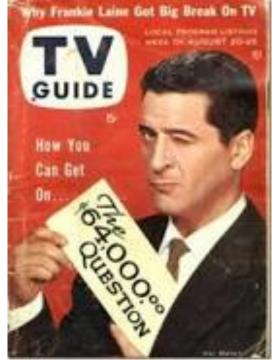






Ghe Leaderboard: look how high I am after one bout!

How do we test what's out there versus what works?



The Long Now goal I'd like to present at a future conference

- ★ Qualitative and quantitative assessments of law school study products
- ★ Formal and informal assessments by librarians, IG, faculty and students (especially students)
- ★ Guides and tools to help students figure out how they learn most effectively and which tools may be best suited for that style

Until then ...

 \star Galk with students, faculty, colleagues about:

- What they are using now
- What they prefer
- What our growing understanding of learning and brains indicate
- \star Encourage experimentation and demonstrations
- \star Collect anecdotes, impressions and (maybe one day), data ...

Why re-open this conversation?

- \star To figure out what's already been said
- \star To find out what's already been done and:
 - What should be discarded
 - What can be done better
- ★ Go spread the word about what works and what types of students it works for

None of these products can, should or will replace outlining, practice essays and traditional review (or if we're honest, cramming). But they can be used to supplement outlining, practice essays and traditional review.

Attorney Licensee Profile

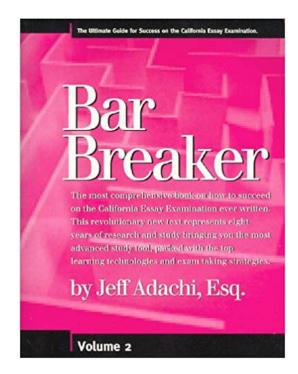
Elizabeth T Edwards #270518

License Status: Active

Address: Santa Clara University School of Law, 500 El Camino Real, Santa Clara, CA 95053-0001 County: Santa Clara County Phone Number: (408) 554-6938 Fax Number: (408) 554-6938 Email: eedwards@scu.edu Law School: Santa Clara Univ SOL; Santa Clara CA



I cheated ... not on the actual test! But on the practice



I bought this book and its companion, opened it up ... and was paralyzed at the thought of writing an essay from scratch, even for my eyes only.

So, I peeked at the model answer. And copied it.

Next essay - I peeked again.

Ghe next essay, I ran through the issues I spotted in my head and just copied down the model answer. Anything I missed in my head review sent me back to the flashcards and Barbri outlines.

At the time, it felt like I was copping out and 'cheating'.

But what I was really doing was reverse engineering how to write a solid bar essay. BY COOPLETE ACCIDENT.

In regards to my own gamification efforts:

Je nais parle pas francais

ou

Je parle un peu francais



Post results for fre

Create a contributor account toda

Goodwill Refuse to Abuse 5K at Safeco Field Refuse 5K Sturday July 18, 2015 5K Run/Walk Info Summary Races July 18, 2015 in Seattle, WA 5K Run/Walk Number of finishers: 1,328 event email: 5k@wscadv.org Event Website **Results By** Number of females: **Question About Results?** END:RESULT 835 Number of males: 493 Average time: k 43:08 NO FN LN DIVISION OVERALL DIVPL SEXPL TIME PACE ≤ ≞⊘ 841 Sandi McCarty F70UP 1320 7/7 830/839 1:20:59 26:08 S & O 258 Molly Cheney F3039 1321 189/190 831/839 1:21:01 26:08 S & 🛛 639 Reggie Howard M5059 1322 71/72 491/495 1:21:07 26:10 ≤ ≞⊙ 680 Michael M6069 1323 41/41 492/495 26:11 Johnston 1:21:11 Dead last! S a 📀 499 M5059 1324 72/72 493/495 27:43 Eduardo Gomez 1:25:55 S & 🛛 501 Margarita Gomez F4049 1325 164/168 832/839 1:25:57 27:44 ≤ ≞⊘ 1326 833/839 509 Jennifer Gould F4049 165/168 1:27:55 28:22 S 🖪 📀 1296 Kelly Toomey-Marti F4049 1327 166/168 834/839 1:27:56 28:22 S 🛯 🖉 1328 167/168 31:47 410 Eli Edwards F4049 835/839 1:38:31

Other races I did after being chased by virtual zombies ...





My last thought: gaming isn't THE answer for ALL students, but if it's an answer to some students -- why not encourage it?



Immediate feedback & anecdotes (i.e., your turn to school me)

