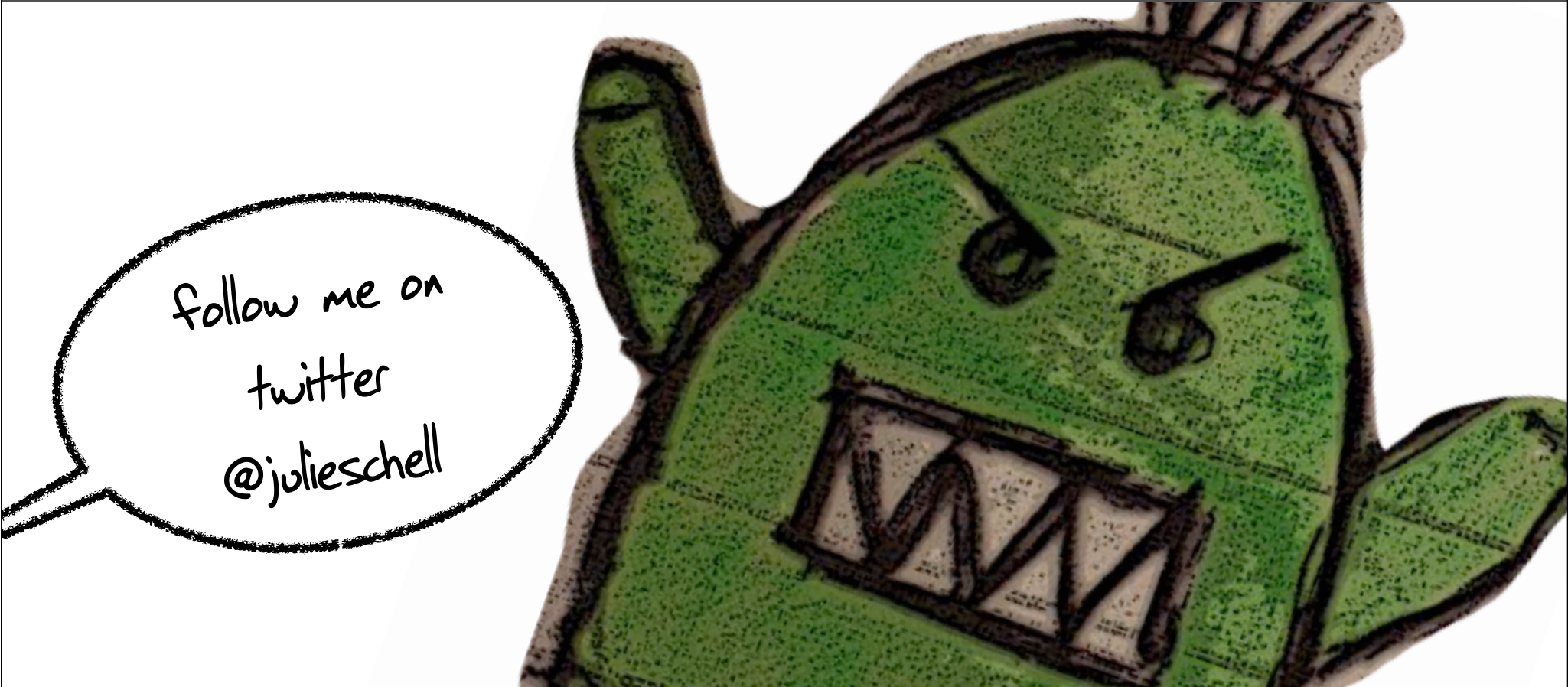


How to trap the boredom monster... with a classroom?

A green, textured monster with a speech bubble. The monster has a large head, small eyes, and a wide, jagged mouth. It is drawn with thick black outlines and green stippling for texture. A speech bubble points to the left, containing the text 'follow me on twitter @julieschell'.

follow me on
twitter
@julieschell

THE UNIVERSITY OF
TEXAS
— AT AUSTIN —

Julie Schell
Director, OnRamps and Strategic Initiatives
Center for Teaching and Learning
onramps.org

**Association of University
Interior Designers**
Austin, TX
10-15-2013



I



Education



I



Education



I

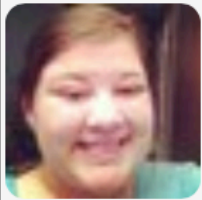


Education

Goals for today

1. What does it feel like in today's classrooms?
2. What does it look like in today's classrooms?
3. What *can* it feel and look like in today's classrooms?

1. What does it feel like in today's classrooms?

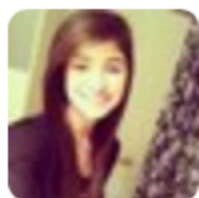


brianna girlie @bripaigegirlie

33 mins

I hate school. Ihateschool. I HATE school. I h8 school. I hate skool.
lh8skool. I. hate. school. Eye h8 skool. I HATE SCHOOL. **#ihateschool**

Expand ↩ Reply ↻ Retweet ★ Favorite ⋮ More



LundenStallings @livestrong_1

Feb 25

I was having a pretty good night, until I realized i gotta get up for prison in the morning 😊🔫 **#ihateschool**

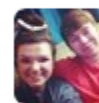
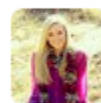
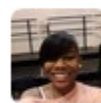
Collapse ↩ Reply ↻ Retweet ★ Favorite ⋮ More

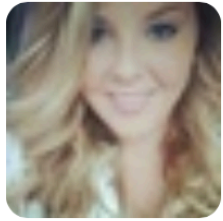
11

RETWEETS

3

FAVORITES



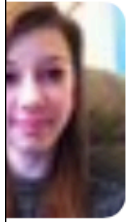


Allison Newby ♥ @allisonnewby13

Tomorrow is new fresh start to a long week of torture.

#ihateschool

Expand



Kaylee Krepps @kay_lay13

Fel

Dear pre-calc, **I hate** your stinking guts You make me vomit You're the scum between my toes Love me P.S. send that message to **physics** too



JasmineJandu @JasmineJandu

13 mins

I hate the fact that there's school tomorrow. Dead serious right now, I'd rather throw up and sit on it. **#ihateschool**

Expand

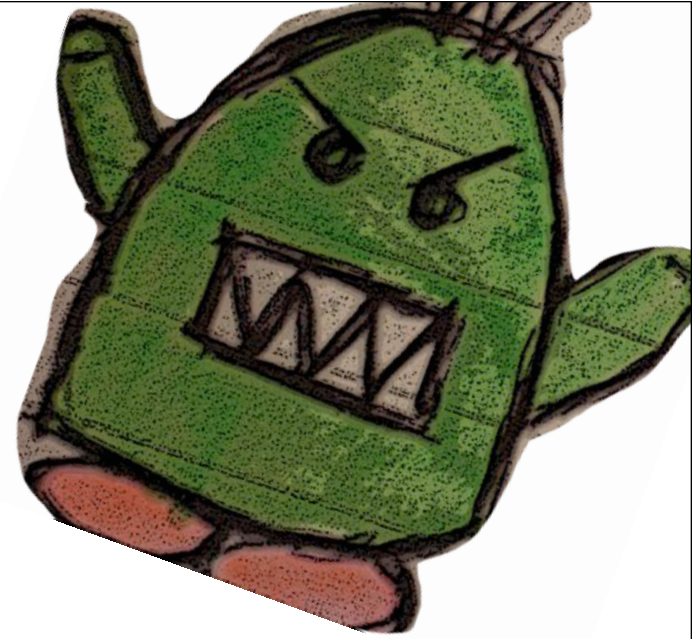


Kelly Chen @pianokchen

4h

School is so boring [#ihateschool](#)

Expand



Kelly Chen @pianokchen

School is so boring [#ihateschool](#)

Expand

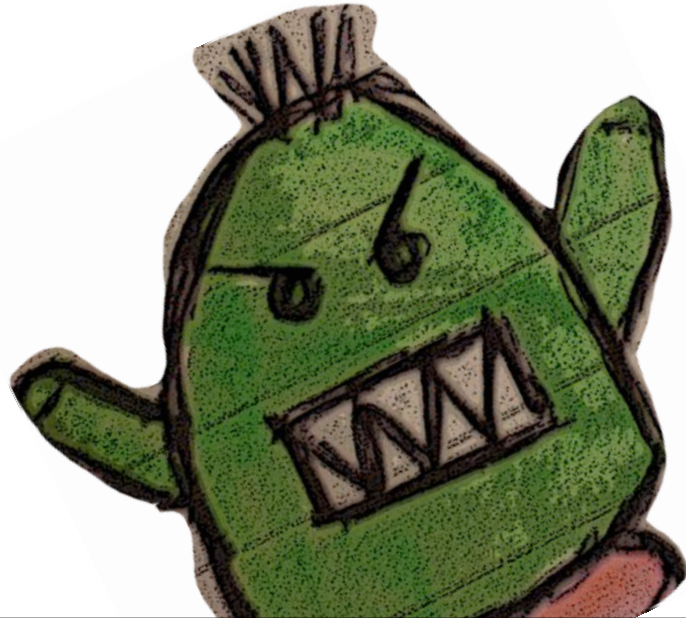
4h



brookedlane @brookedlane14

Completely. Bored. Out. Of. My. Mind. 🙄🔫 #ihateschool

Expand



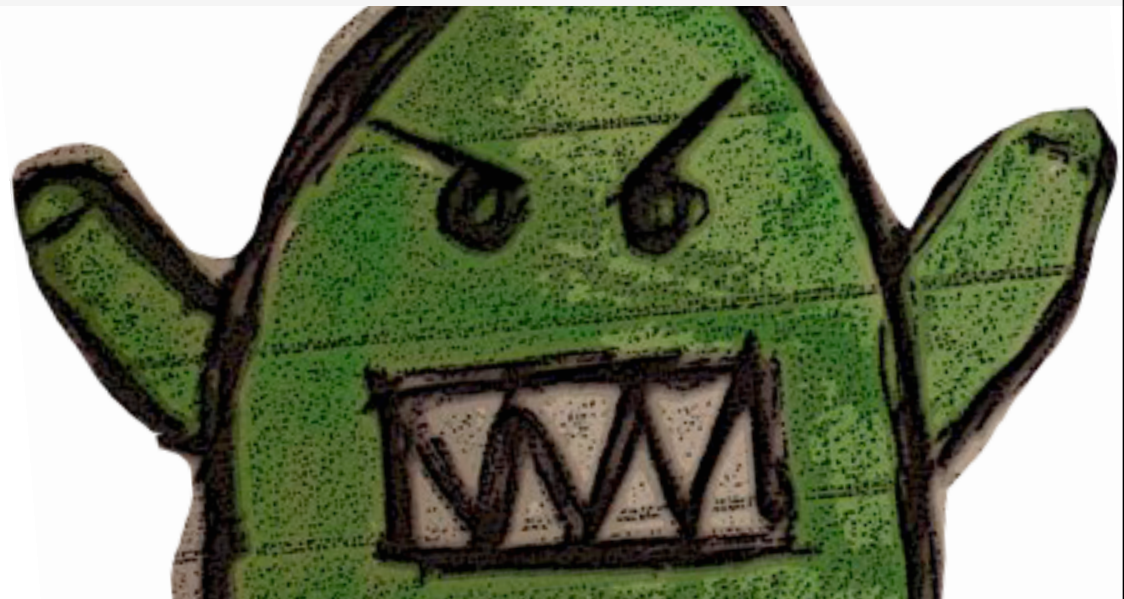


Jessie Stockstad @jessiestockstad

16 Apr

Casually sitting in my room staring at the wall cause that's more fun than actually studying **#iloveschool**

Expand ← Reply ↻ Retweet ★ Favorite ... More





✨ Lexie 🚢 ✨ @XxL_weeezyxX

17 Mar

History = there dead dude.
English = dictionary/ google.
Science = not a nerd. Don't need it.
Math= calculator.
#ihateschool #die

Expand



✨ Lexie ✨ @XxL_weeezyxX

17 Mar

History = there dead dude.
English = dictionary/ google.
Science = not a nerd. Don't need it.
Math= calculator.

#ihateschool #die

Expand



KAILS @kaillleybird

7 Apr

Never learned how to get a loan, buy a house, car, or anything else useful in life, but I DO know the effing **pythagorean** theorem

Expand

The number of hours students spend in a system they hate.

10,800

What #hashtag best describes your schooling experience?

- A. #ihateschool
- B. #iloveschool*(really)
- C. #schoolisboring
- D. #schoolisnotpractical
- E. #mixedfeelings

A.

How
be
Q. What keeps you
up at night?

Searching for meaningful ways
to engage students in the
learning process.

What keeps you
up at night?

Q. What
up at night?

A.

How can I motivate

Keeping students interested
and engaged for over 98
minutes a day, per class.

Q. What keeps you
up at night?

Q. What keeps you
up at night?

Q. What
up at night?

How can I

A.

A. That kids will think I am one of those teachers that bore them.

Q. What keeps you up at night?

Q. What

up at night?

you

How can I motivate

A.

F

A.

Desinteresse!!

Brazil

Q. What keeps you

Q. What keeps you
up at night?

Q. What
up at night?

How
be
Q. What keeps you
up at night?

Q. What
up at night?

you

A.

A.

How boring I am & how little
will be retained by the student.

Yale

Students and teachers want the same thing.

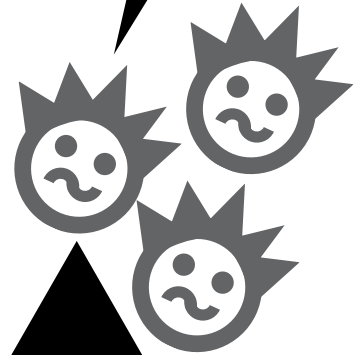
I want you
engaged.



I want you
engaged.



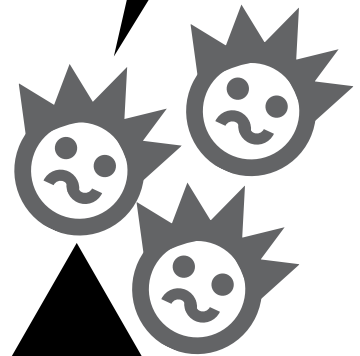
We
want to be
engaged!

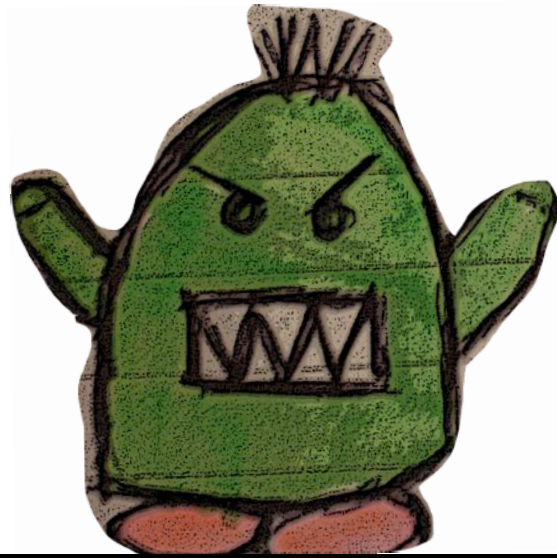


I want you
engaged.



We
want to be
engaged!





2. What does it look like in today's classrooms?

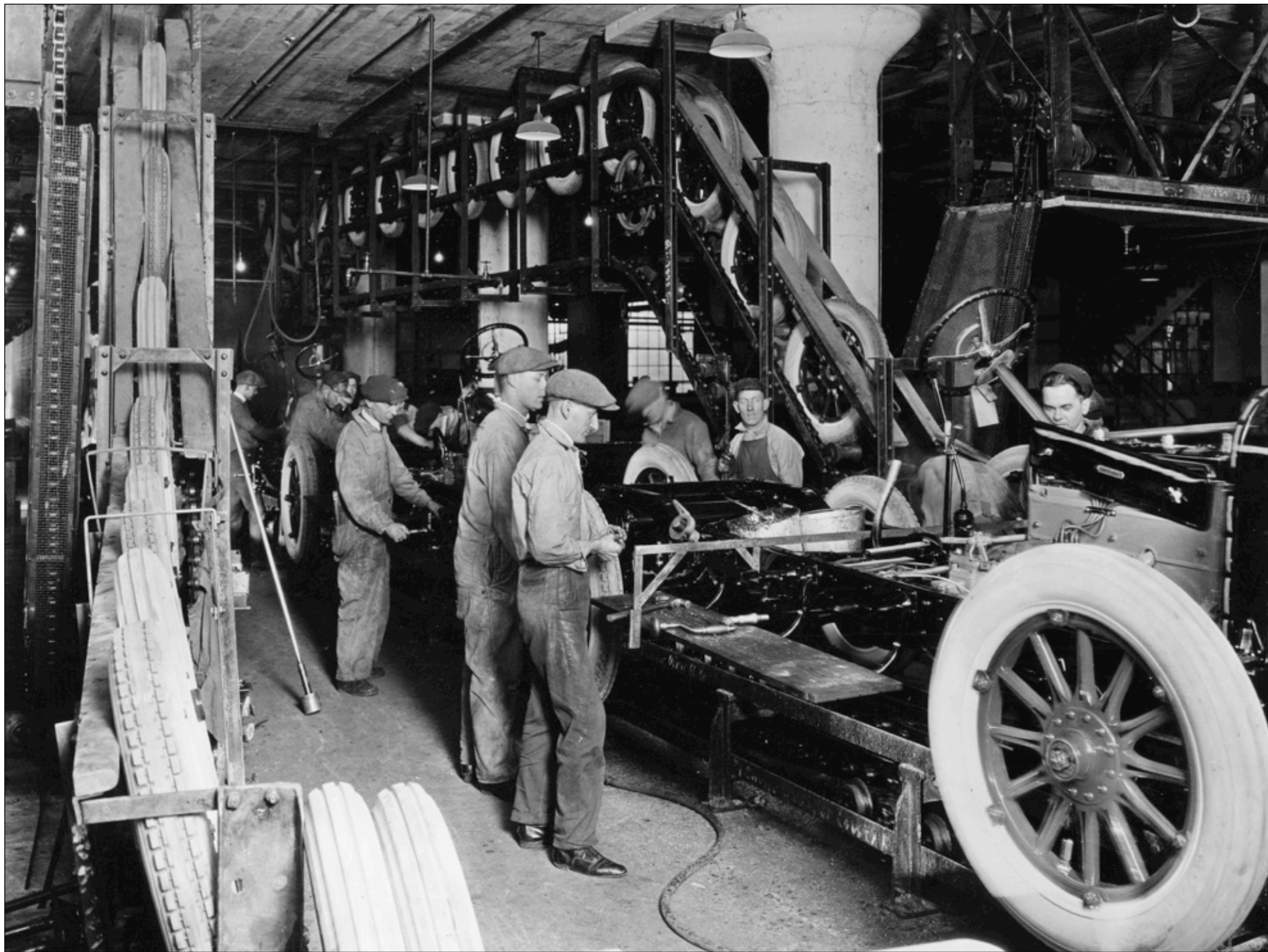
11/2012
Yale
University

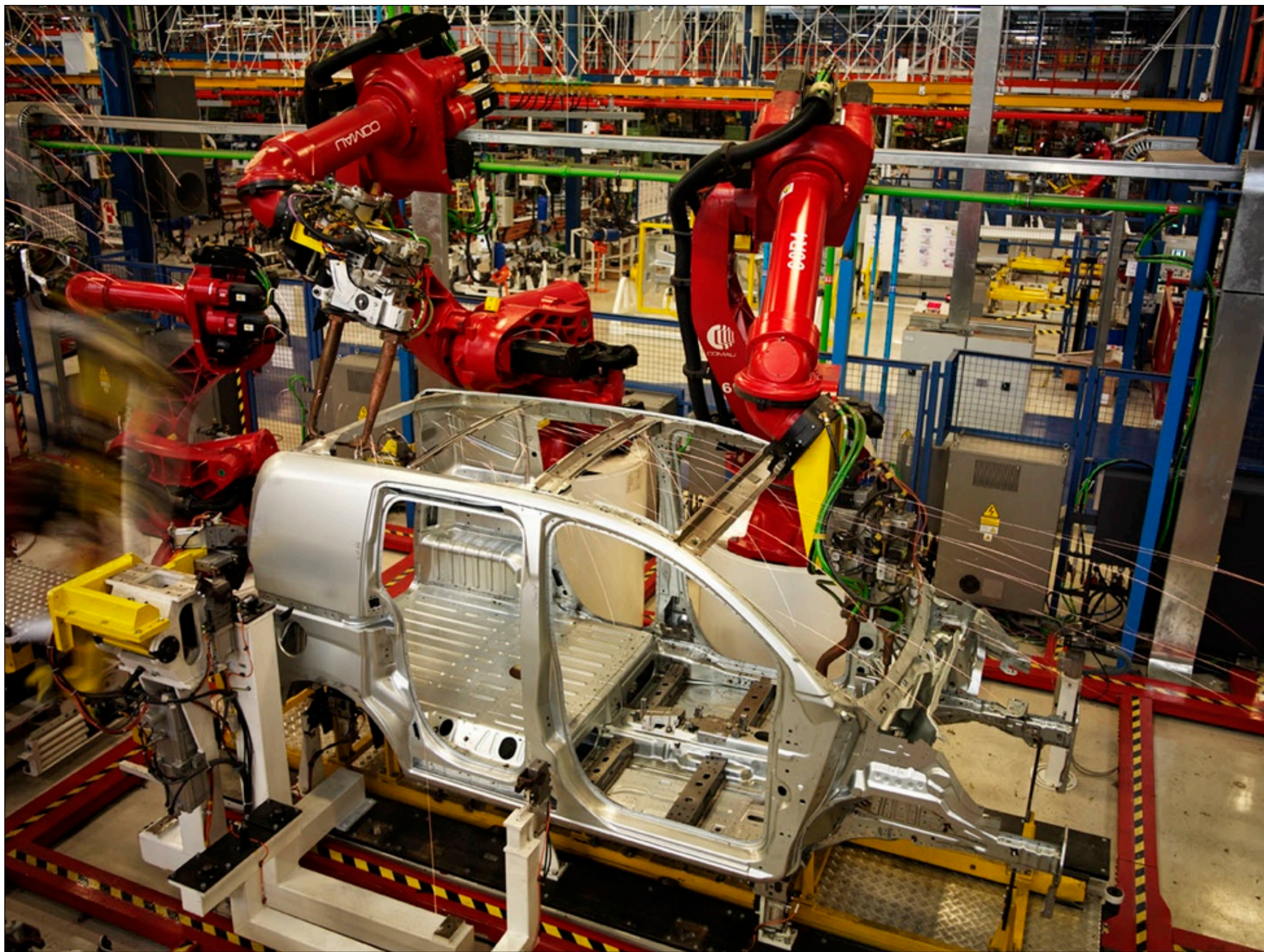


2012 UT
Austin

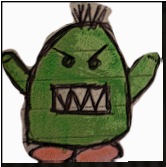








Our classroom models are doing an
incredible job of preparing
students for the 20th Century!



6/5/2013
Karlsruhe
University

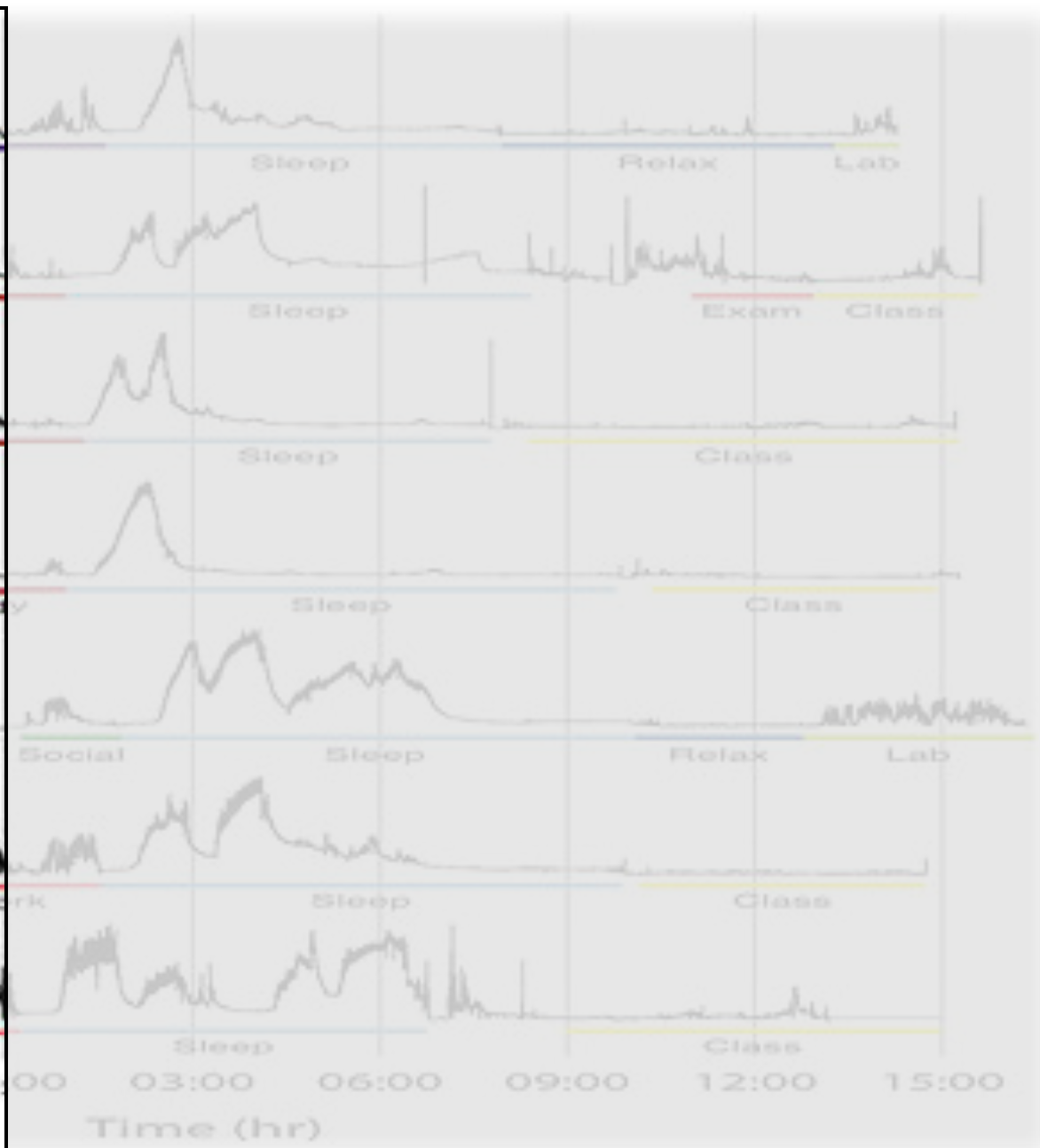
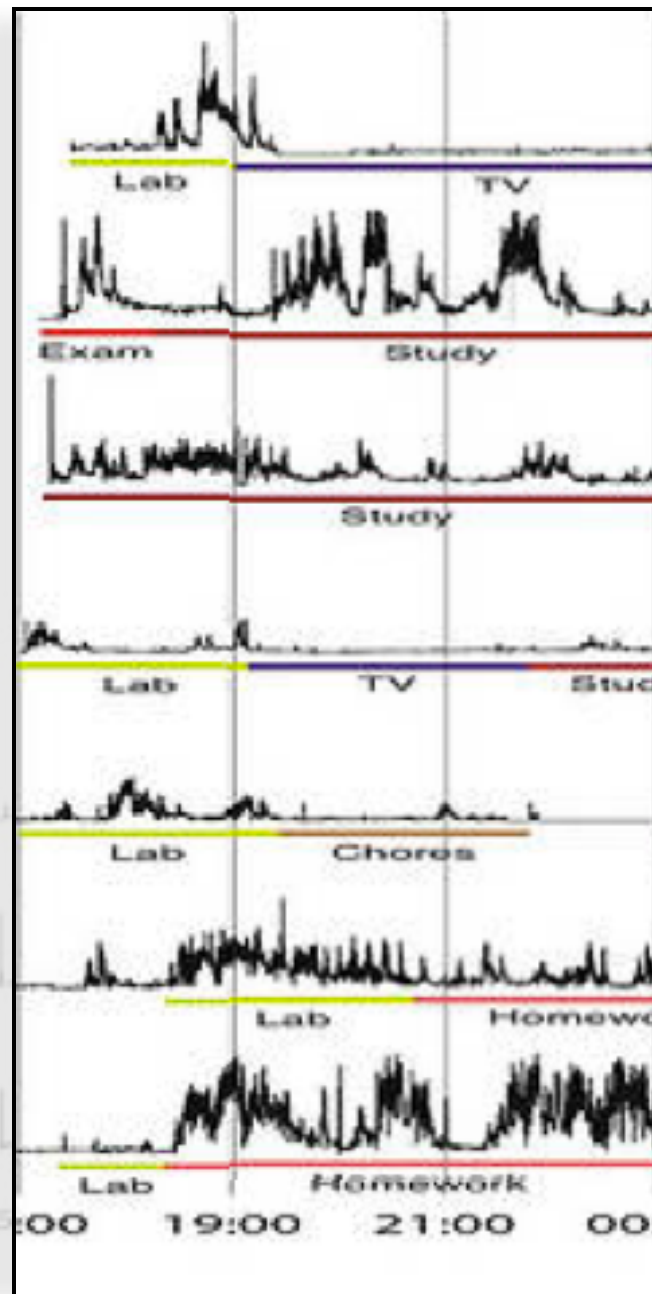


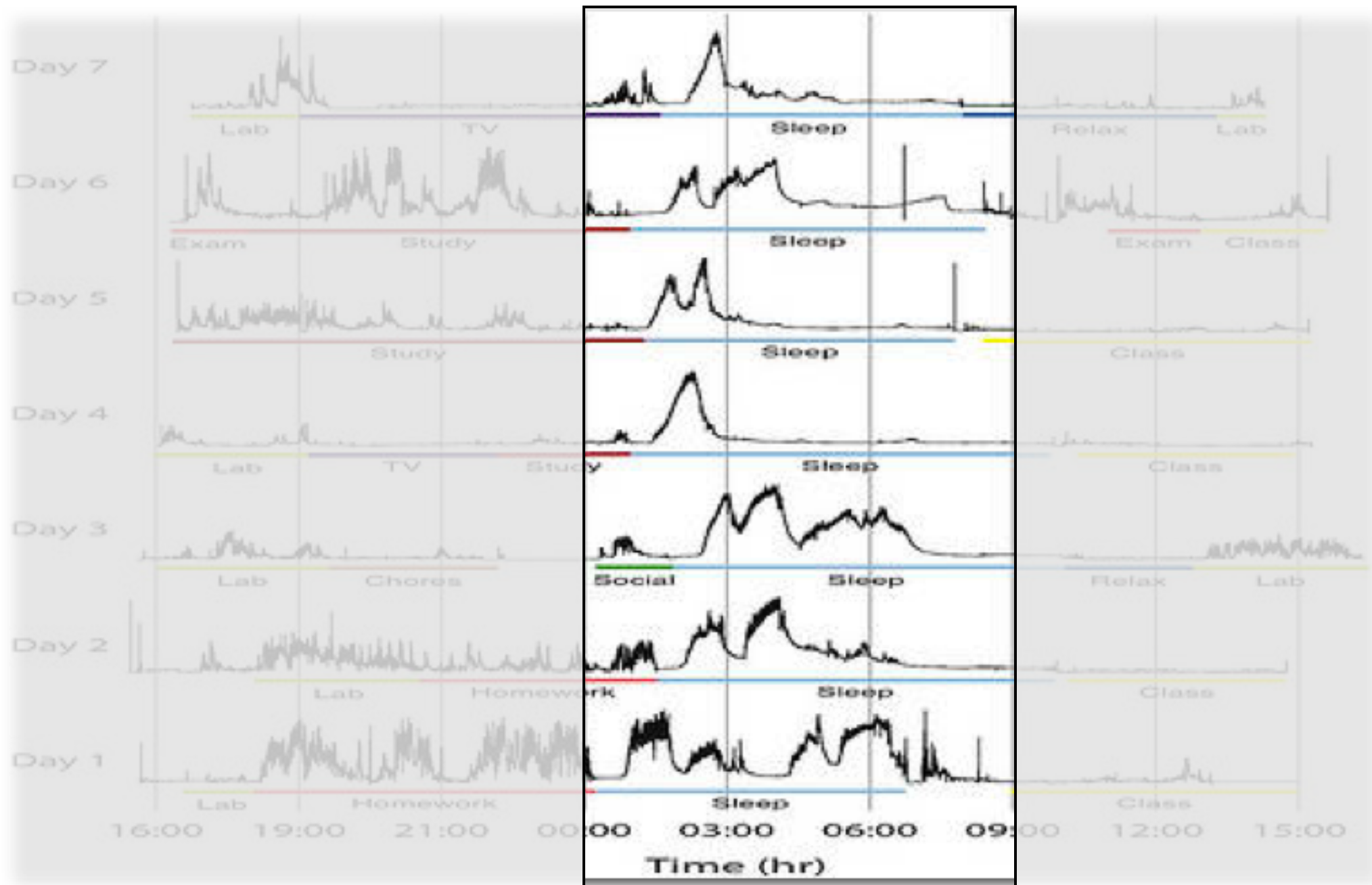
8/28/2013

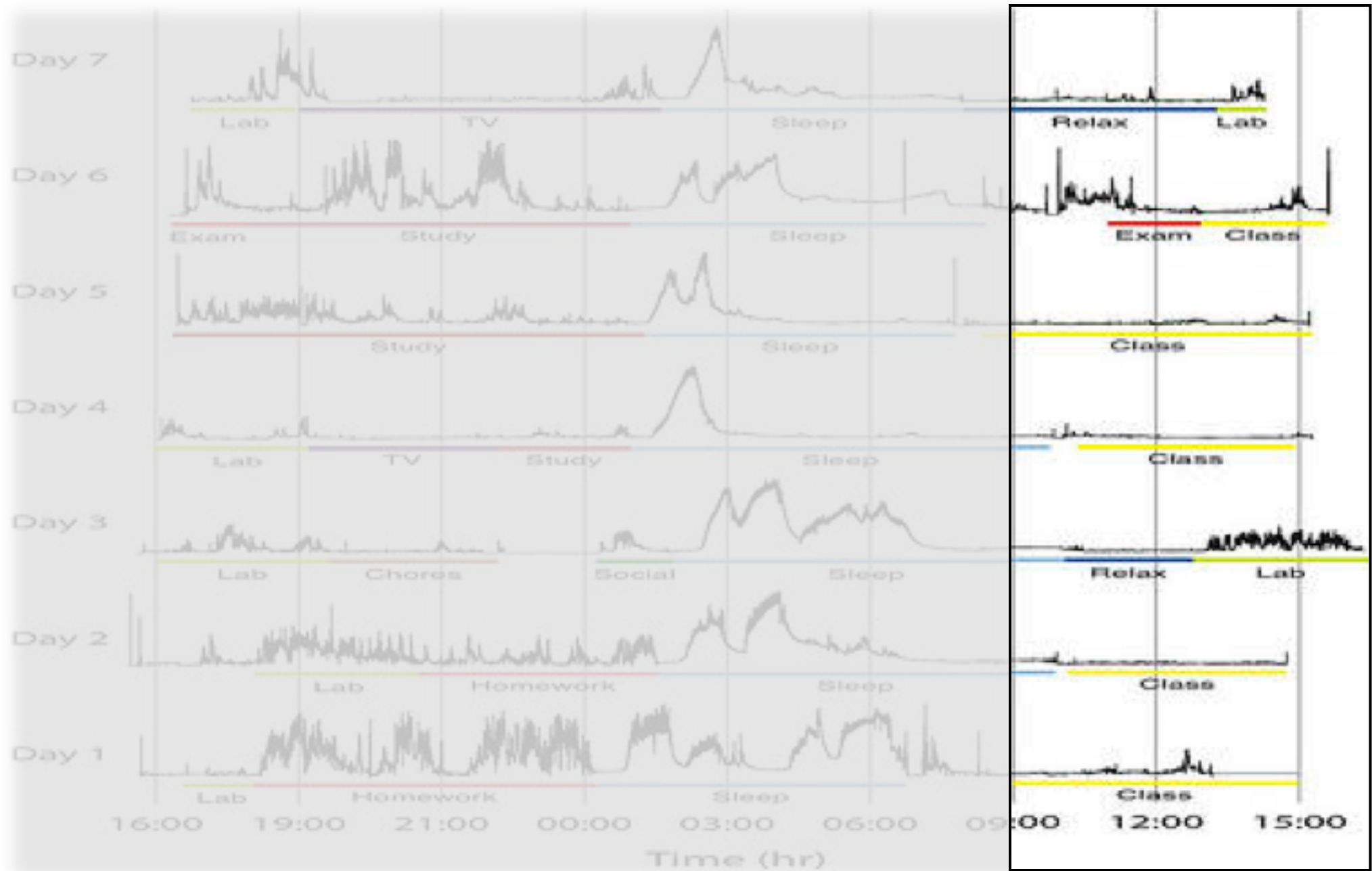
Berkshire Community College

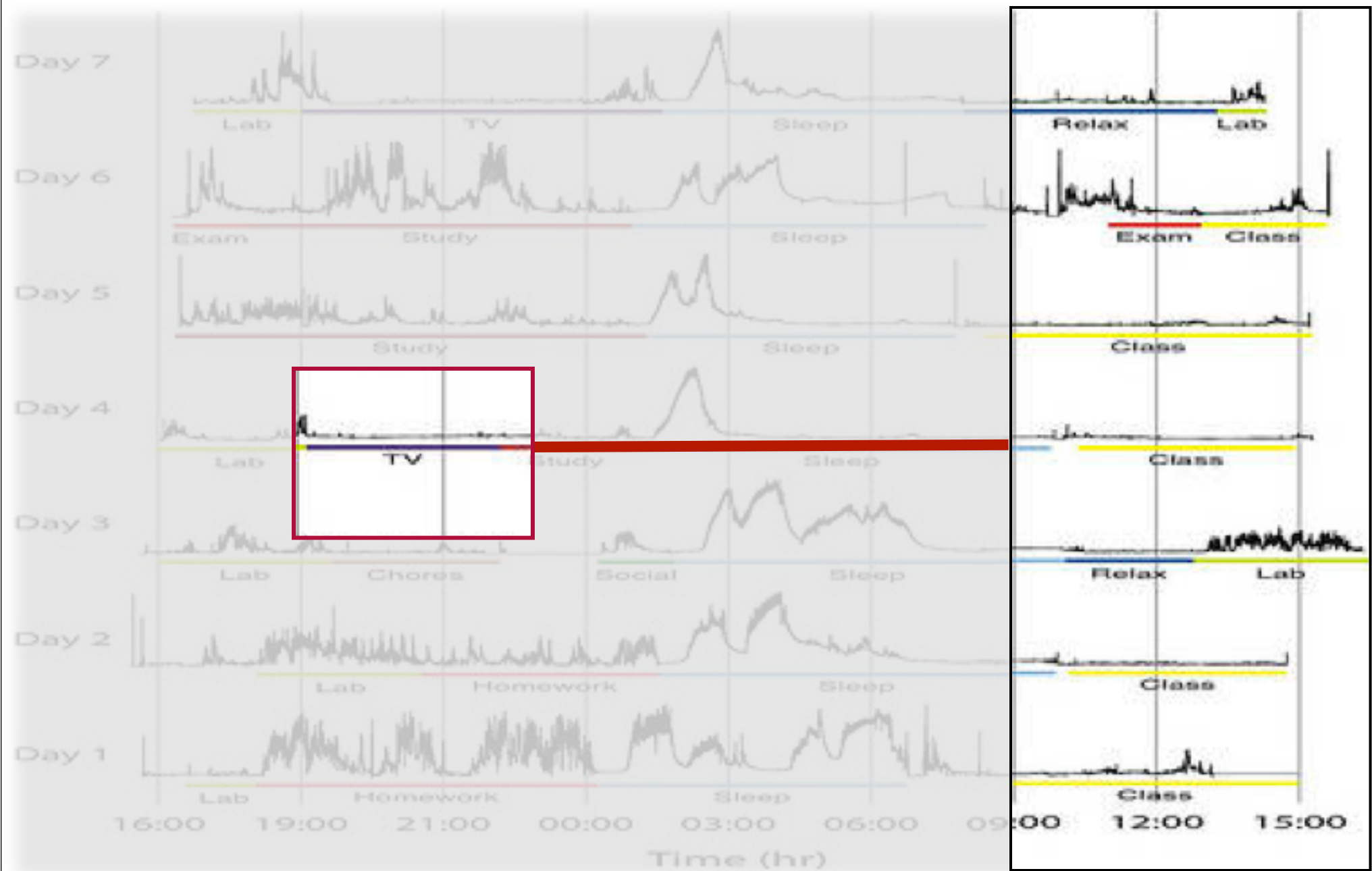
9/10/2013
Harvard
University



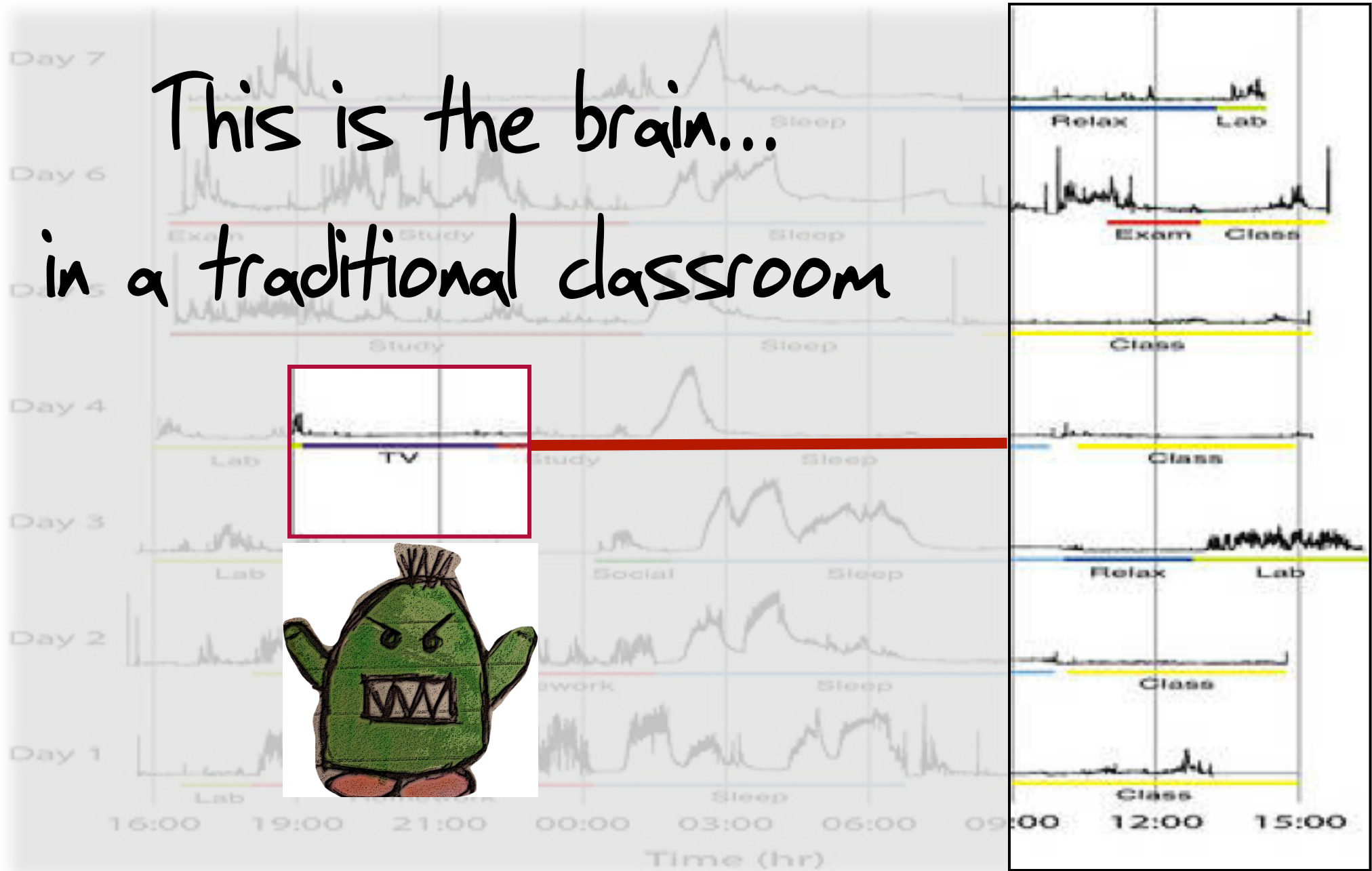








This is the brain...
in a traditional classroom

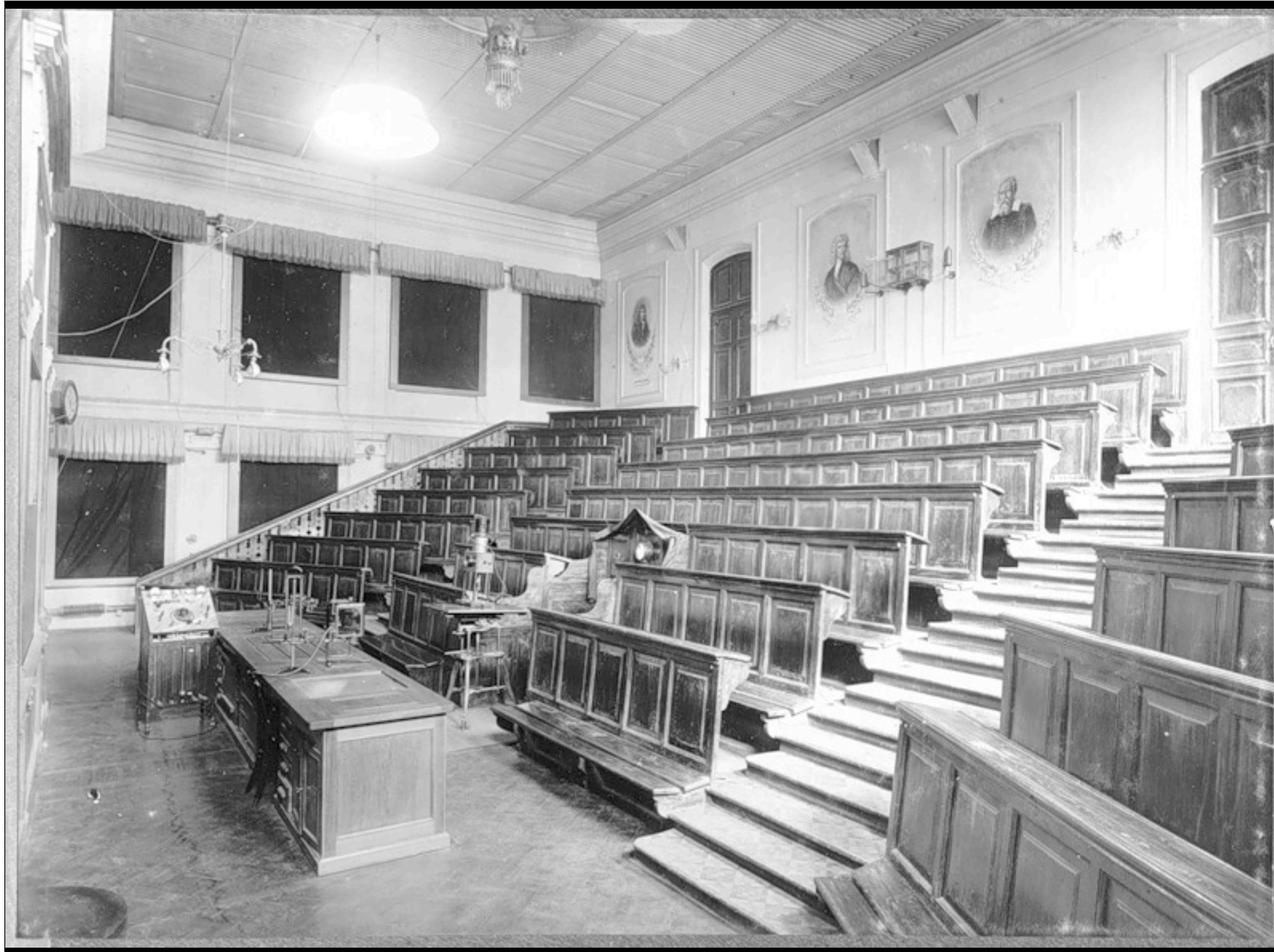


What if?













Modern learning needs require new spaces.

Modern classroom spaces facilitate antiquated learning needs.

School at Athens, Antiquity



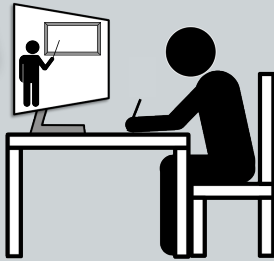
3. What can it look & feel like in today's classrooms?

Gold Standard = Flipped classroom

The Flipped Classroom

Students prepare to
participate in class activities

BEFORE

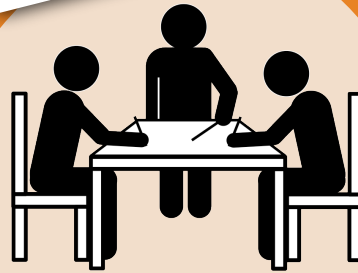


Out of Class

created by Josh Walker

The Flipped Classroom

DURING

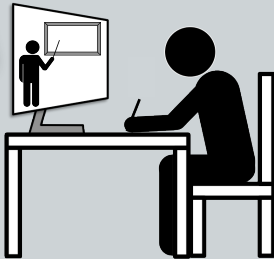


Students practice applying key concepts with feedback

In Class

Students prepare to participate in class activities

BEFORE

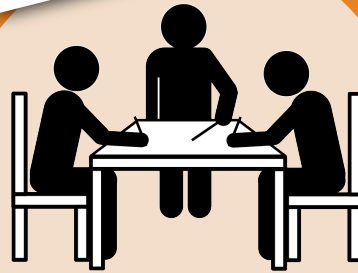


Out of Class

created by Josh Walker

The Flipped Classroom

DURING

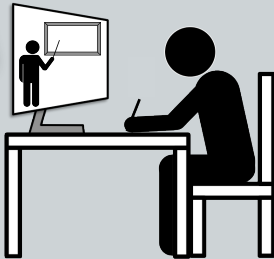


Students practice applying key concepts with feedback

In Class

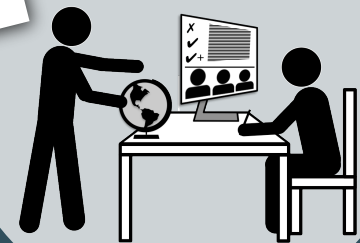
Students prepare to participate in class activities

BEFORE



Students check their understanding and extend their learning

AFTER



Out of Class

created by Josh Walker











Bloom's Taxonomy

Traditional Arrangement						
Instructional Design	In-class		Out-of-class			
Bloom's Taxonomy	Remember	Understand	Apply	Analyze	Evaluate	Create

created by Josh Walker

Bloom's Taxonomy

Inverted "Flipped Classroom" Arrangement						
Instructional Design	Out-of-class		In-class			
Bloom's Taxonomy	Remember	Understand	Apply	Analyze	Evaluate	Create

created by Josh Walker

2 methods for flipping your classroom

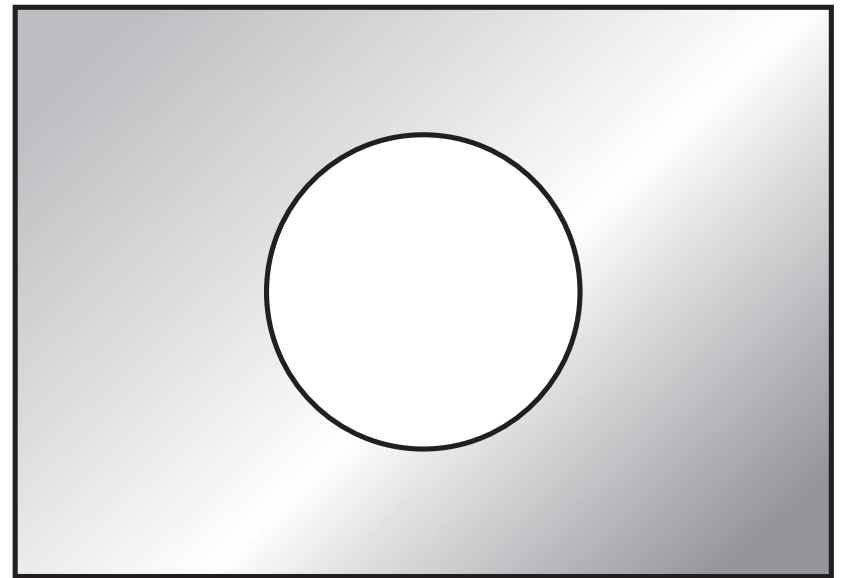
1. Peer Instruction

Thermal Expansion



When metals heat up, they expand.

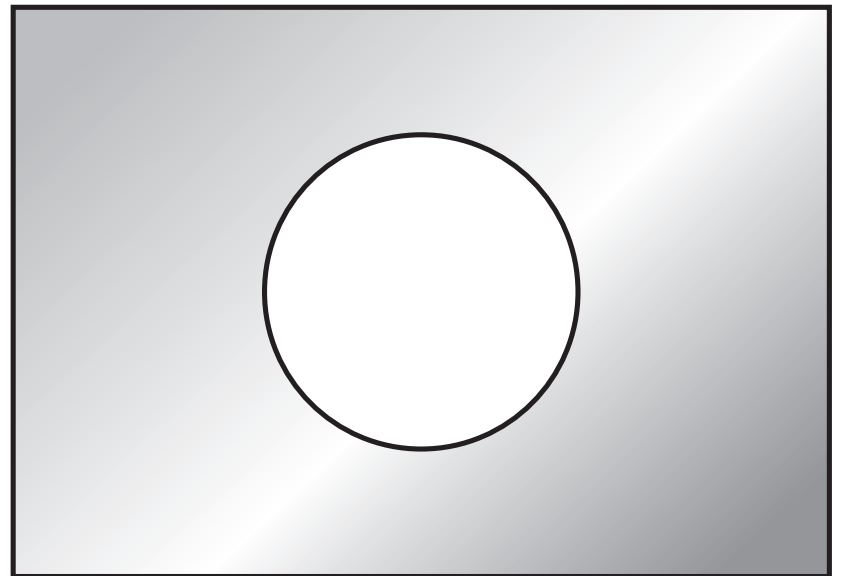
Consider a metal (aluminum) plate with a hole in it.



Consider a metal (aluminum) plate with a hole in it.

If you heat the plate uniformly what happens to diameter of hole?

- A. increases**
- B. stays the same**
- C. decreases**



When metals heat up, they expand.

What happens when you heat metals up?

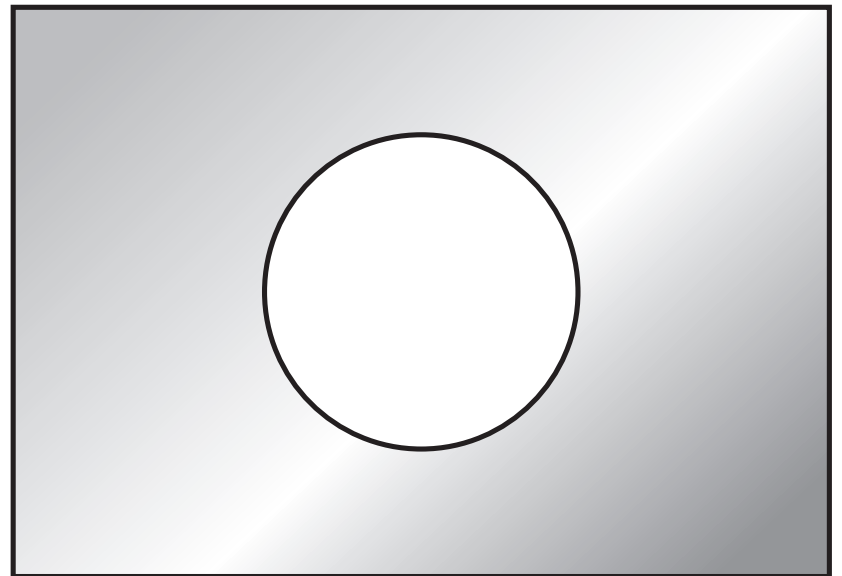
- a) they expand**
- b) they shrink**
- c) nothing**

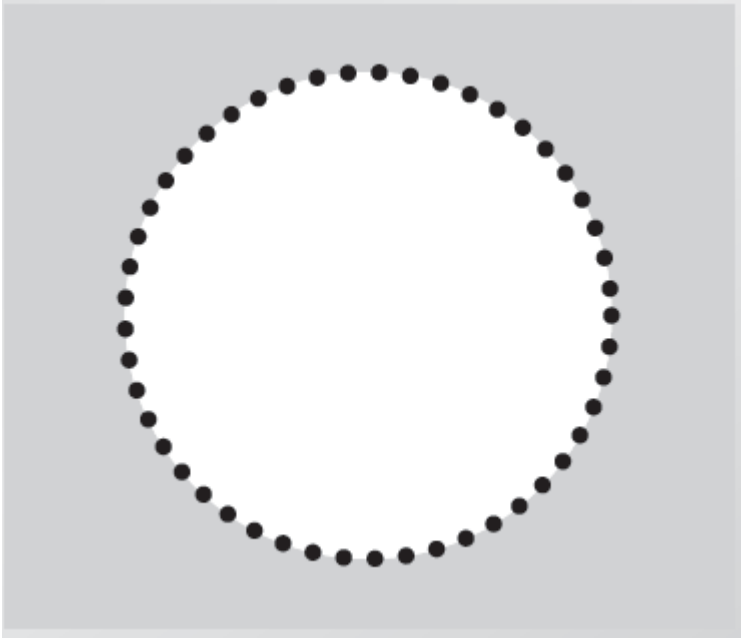
If you heat the plate uniformly what happens to diameter of hole?

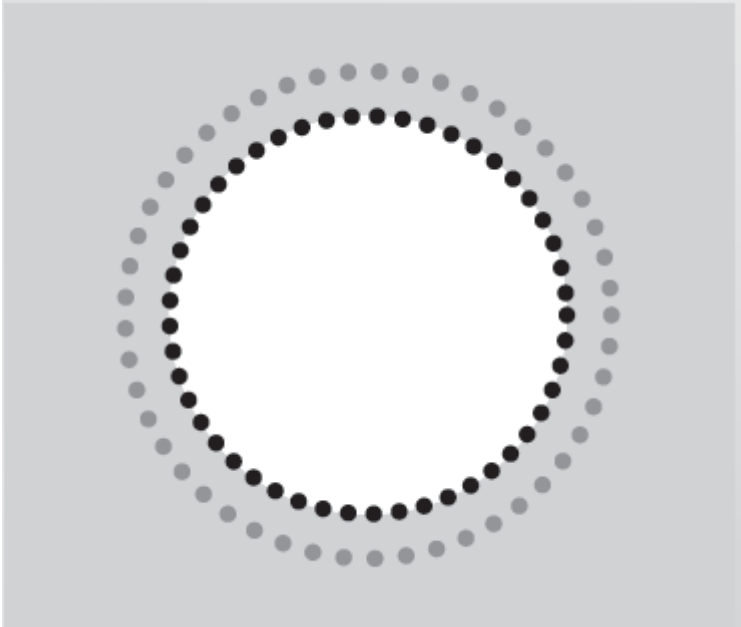
A. increases

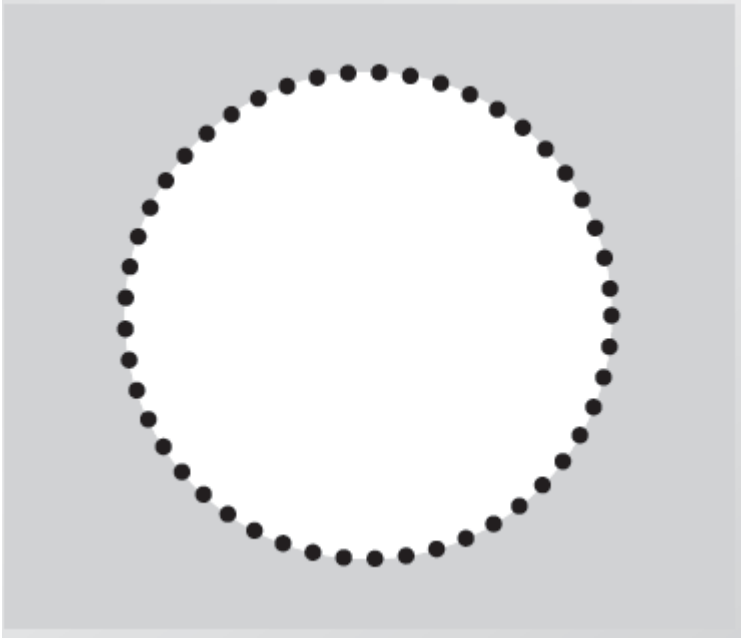
B. stays the same

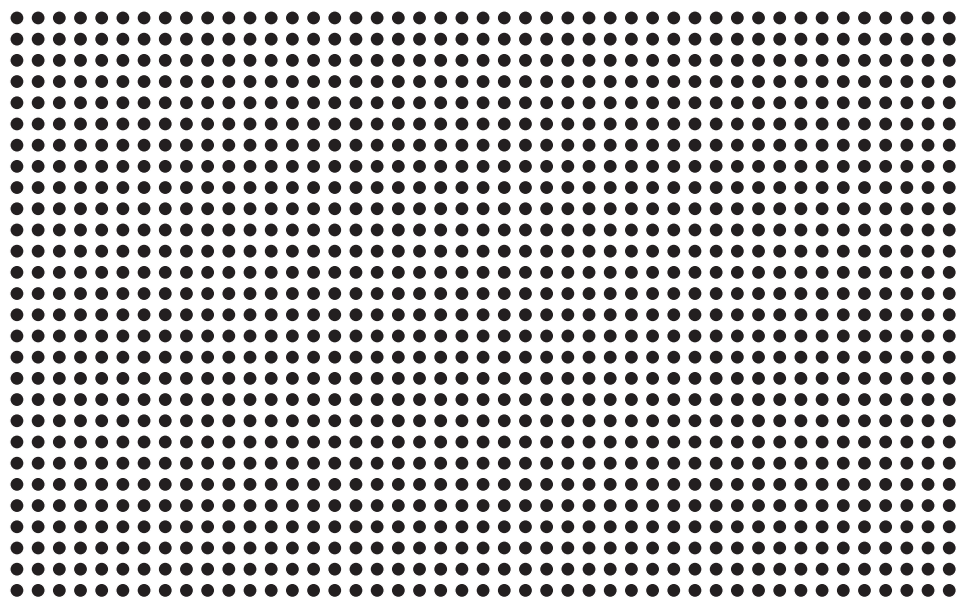
C. decreases

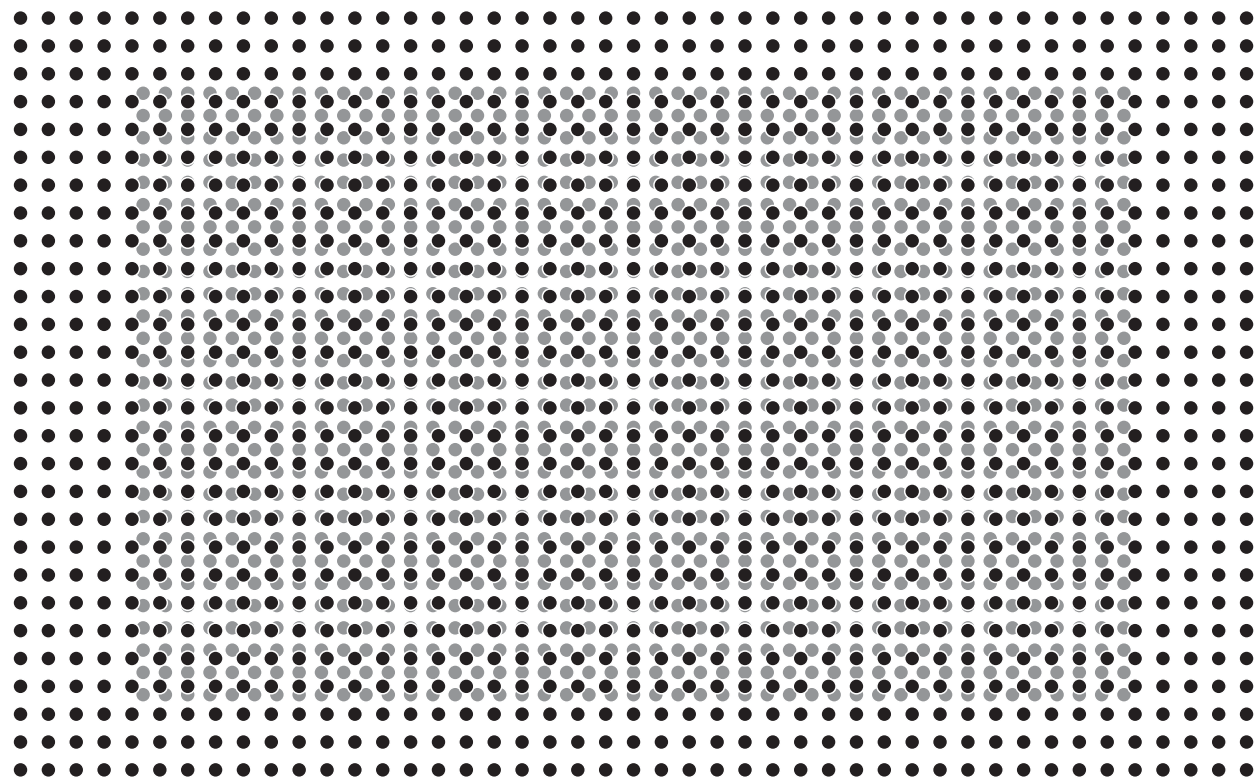












2. Team-Based Learning

**Break into groups of 5.
Answer these
questions.**

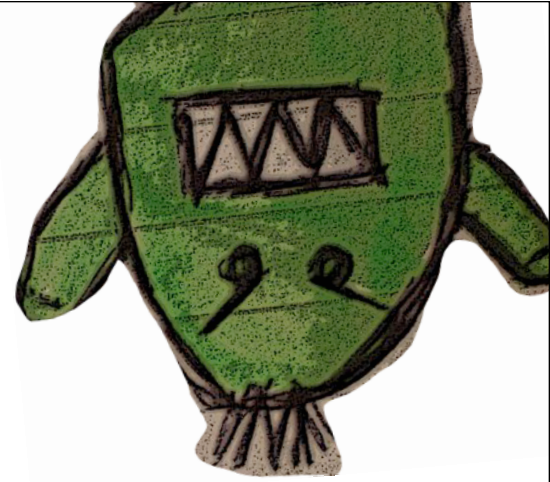
Who won the UT football game this past weekend?

- a. Oklahoma
- b. Iowa State
- c. UT Austin
- d. K-State

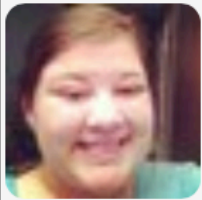
What is the only breed of dog with the American Kennel Club description of “The Barkless Dog.”

- a. Basenji
- b. Bouvier
- c. Briard
- d. Borzoi

What stuck with you the most from this session?



How will you use this learning to **design** classrooms that slay the boredom monster?



brianna girlie @bripaigegirlie

33 mins

I hate school. Ihateschool. I HATE school. I h8 school. I hate skool.
lh8skool. I. hate. school. Eye h8 skool. I HATE SCHOOL. **#ihateschool**

Expand ↩ Reply ↻ Retweet ★ Favorite ⋮ More



Tyson_Awesome @tegrinse614

6 hrs

today I developed my own proof for **pythagorean's** theorem. woooo
yeah baby **#genius**

Expand



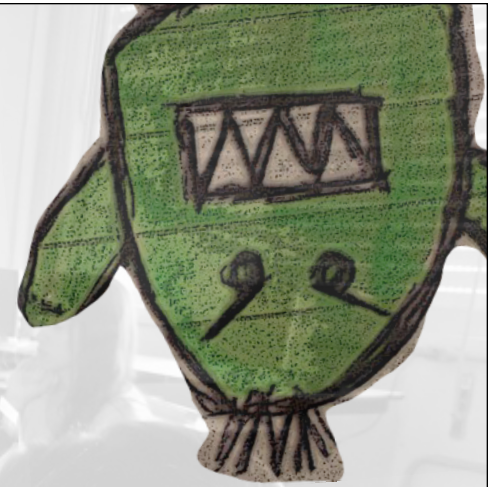
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PEOPLE

Eric Mazur

Acknowledgements



James Fraser

Ives Araújo

Cassandra Alvarado

Brian Lukoff

Jen Ebbeler

Josh Walker

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Carol Dweck

Dan Meyer

Nancy Duarte

Chip and Dan Heath

BOOKS

Flip Your Classroom

Slide!Dology

Made to Stick

Why Students Don't Like School

EdX



www.julieschell.com

@julieschell

