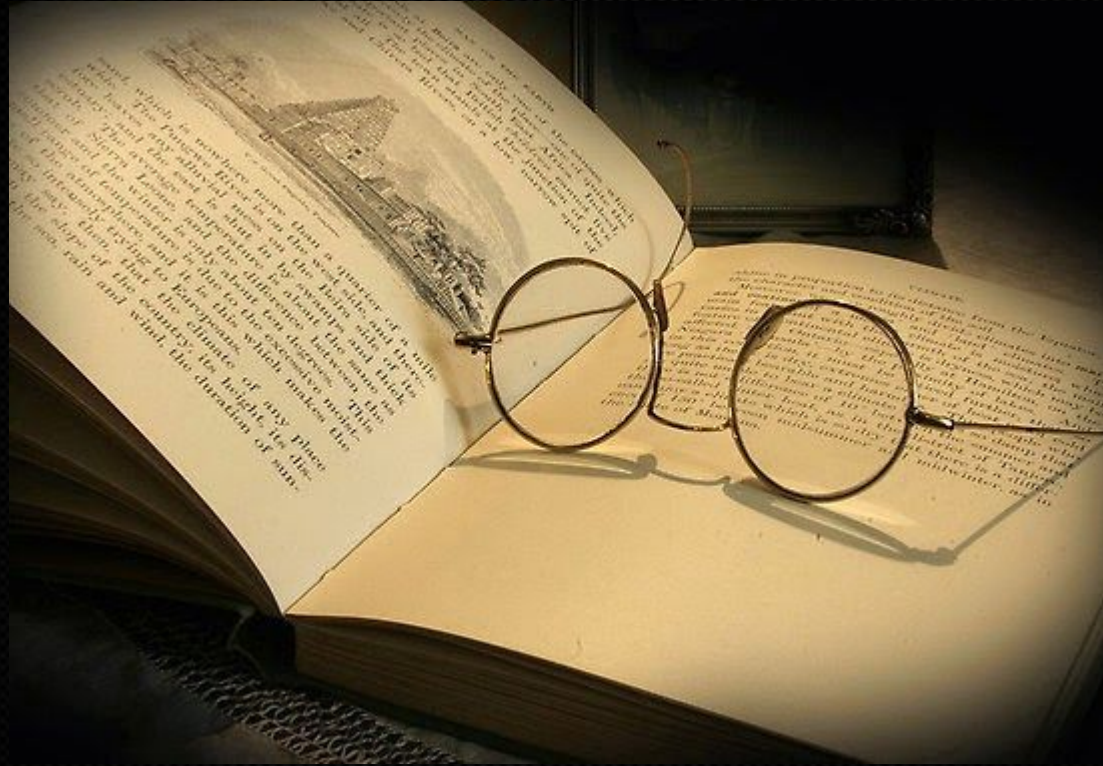




Adapting to Digital and Adaptive Learning with Blackboard: The Case of MEF University

Dinçer Özoran - 23 Oct 2018

Books



Digital and Adaptive Books Platforms



The Theory of Deliberate Practice*

*Ericsson, K. Anders, Krampe, Ralf Th., Clemens Tesch-Romer. "The Role of Deliberate Practice in the Acquisition of Expert Performance." *Psychological Review* Vol. 100 No. 3 (1993) 363-406. Print.



The Theory of Fun for Game Design*

*Koster, Raph. *A Theory of Fun for Game Design*. Scottsdale, AZ: Paraglyph Press, Inc., 2005. Print.



Metacognitive Theory*

*Flavell, J. H. "Metacognition and cognitive monitoring: A new area of cognitive-developmental inquiry." *American Psychologist* (1979) 34, 906 - 911. Print.



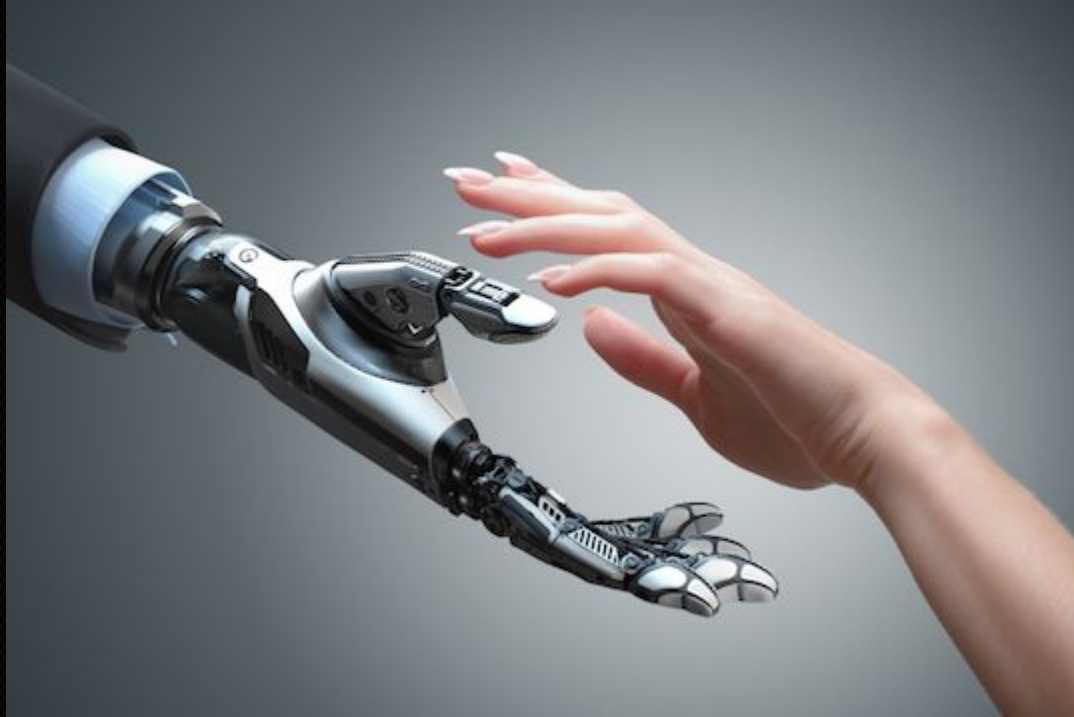
Ebbinghaus Forgetting Curve*

*Ebbinghaus, Herman, Trans. Clara E. Bussenius and Henry A. Ruger. *Memory: A Contribution to Experimental Psychology*. Eastford, CT: Martino Fine Books, 2-11. Print.



McGraw-Hill

This?



Technology vs. Instructors

...or this?



Instructor

Technology vs. Instructors

MEF University

Founded by **İbrahim Arıkan**, primarily a Physics Teacher, **creator of MEF Schools** and a successful businessman, the vision was set to be an **innovative university** in the way the education they provide.



(1941 - 2016)

MEF University

Proposed by founder **Rector Muhammed Şahin**, our University embraced *flipped approach* to learning and teaching as their global educational philosophy from day 1.

As a young University, established in 2012 and begin to accept students in 2014. We celebrated our first Bachelor graduation last June 2018.



MEF University

5 Faculties (15 Bachelor)

2 Institutes (13 Masters)

200+ instructors

3300 students.

We are 4, working at Research Center for Learning and Teaching Practices (CELT)

Workshops, 1-1 Trainings, Writing, Speaking and EdTech.

Using Blackboard since our foundation

Blackboard



Dinçer Özoran



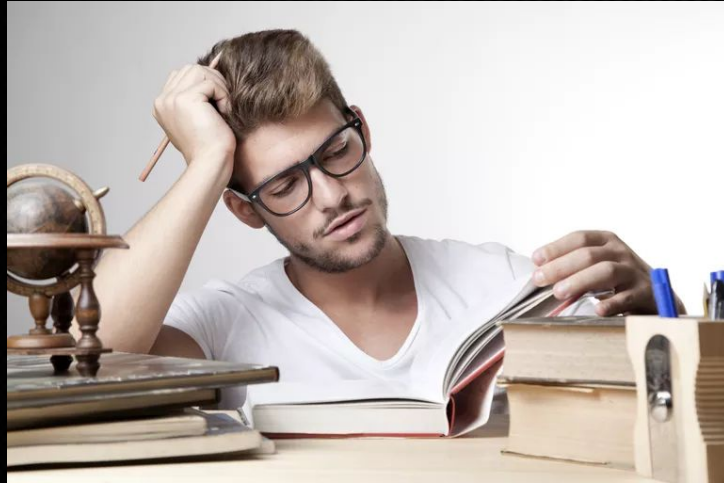
Currently

at MEF University as Vice Director at Research Center for Learning and Teaching Practices (CELT)

Previously

at Atılım University Computer Engineering Department as a TA for 9 years.

Dinçer Özoran



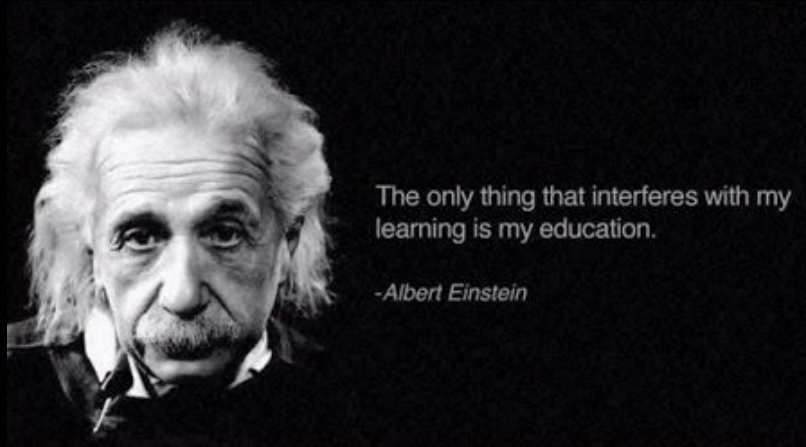
Currently

writing his PhD thesis on **Flipped Learning** at EdTech Program of METU

Previously

graduate of B.S. in Computer Engineering and M.S. in Cognitive Sciences.

Dinçer Özoran



Passionate about **Education**.

Believes that education should be for people to **develop their own way** to contribute to society.

Another Digital and Adaptive Learning Day...



Discussion Question 9 Chapter19 ▼

Please submit your Excel file where you solve Discussion Question 9 of



S&OP ▼

quiz

Due Date: March 24, 2018 12:59:00 AM MSK



Chapter19_PPT_Presentation ▼

Another Digital and Adaptive Learning Day...



eText



Critical Thinking Exercises



Interactive Lecture



End of Chapter Exercises



Study Plan



Document Makeovers



Flashcards



Comprehensive Exam



Video Exercises



Assisted-graded Writing Assignments

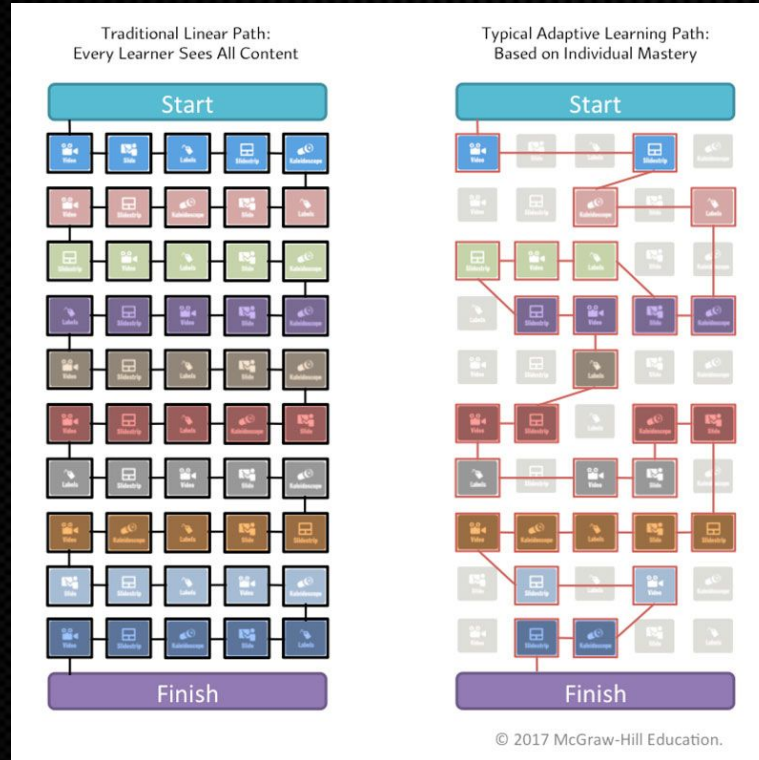


Simulations

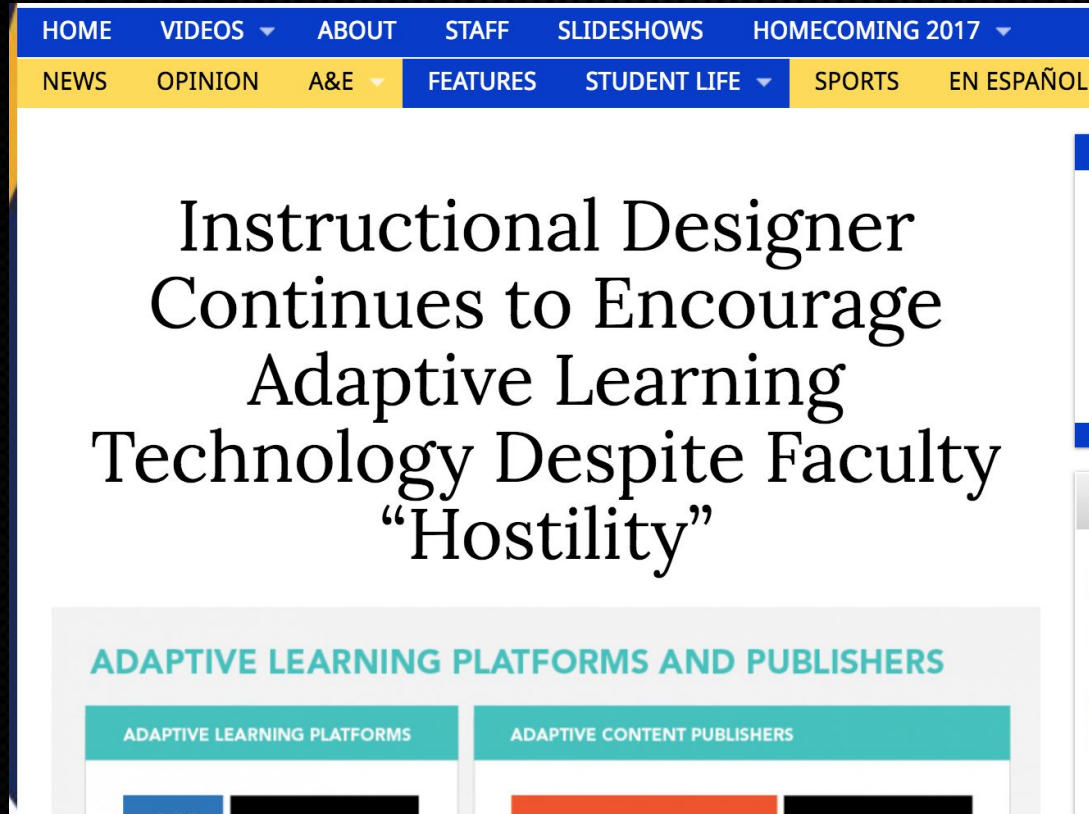


and more..

Another Digital and Adaptive Learning Day...

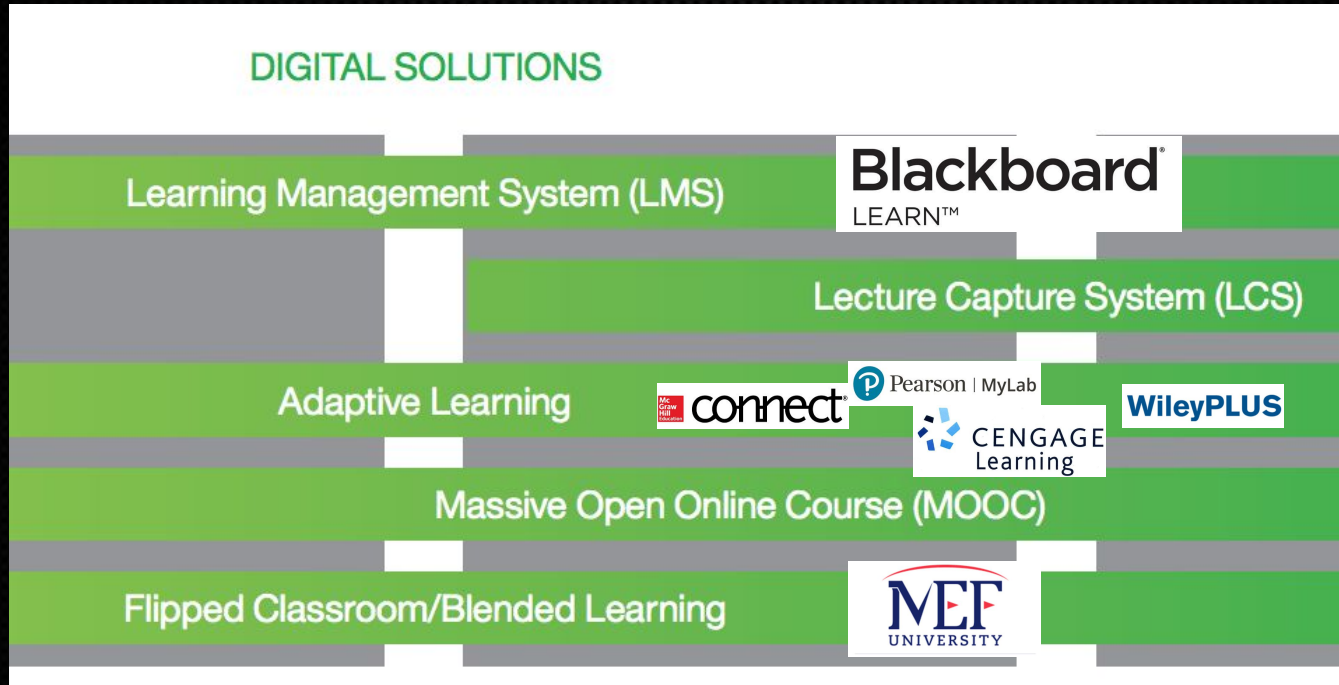


Is it Easy to Make a Change in Academy?



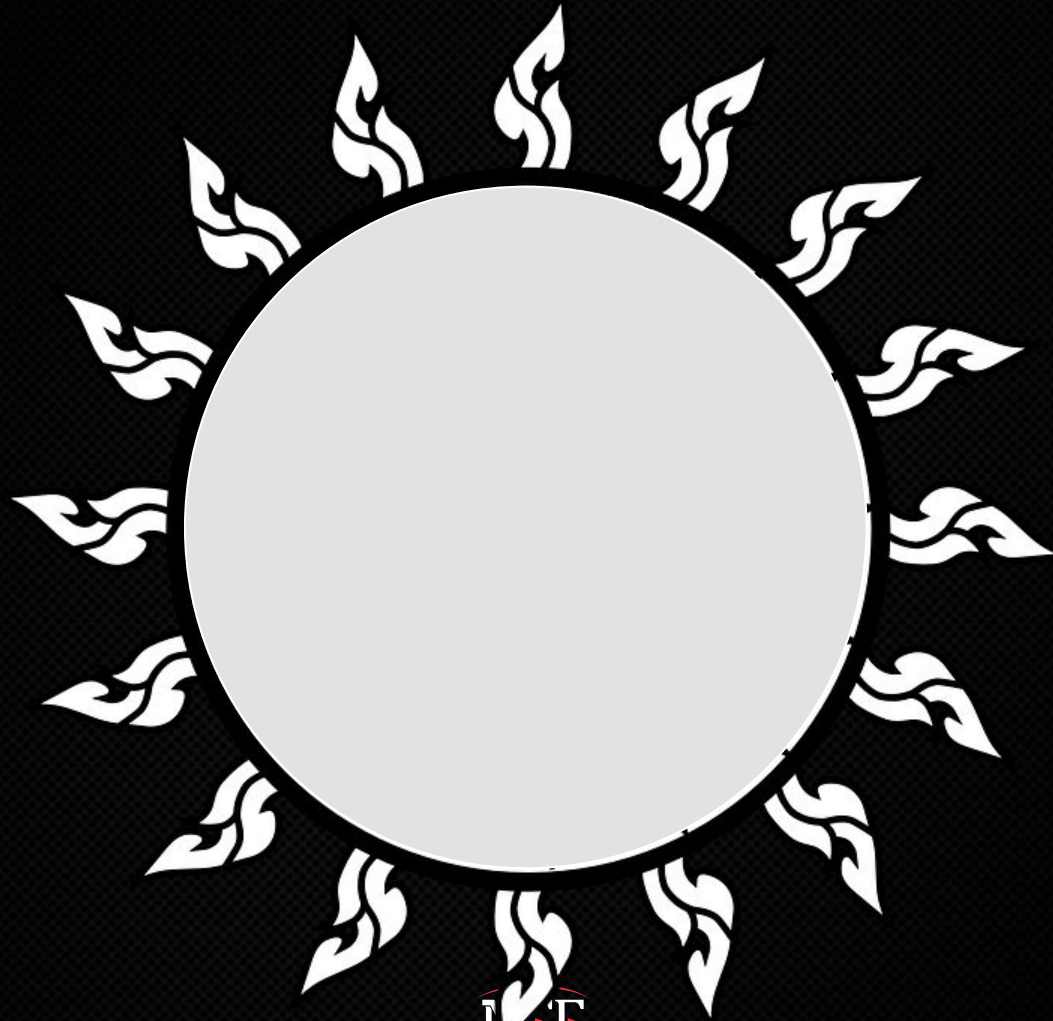
The image shows a screenshot of a university website's news section. At the top, there is a navigation bar with a blue background and white text. The first row contains 'HOME', 'VIDEOS', 'ABOUT', 'STAFF', 'SLIDESHOWS', and 'HOMECOMING 2017'. The second row contains 'NEWS', 'OPINION', 'A&E', 'FEATURES', 'STUDENT LIFE', 'SPORTS', and 'EN ESPAÑOL'. Below the navigation bar, the main content area has a white background. The headline is in a large, black, serif font and reads: 'Instructional Designer Continues to Encourage Adaptive Learning Technology Despite Faculty "Hostility"'. Below the headline, there is a light gray box with the title 'ADAPTIVE LEARNING PLATFORMS AND PUBLISHERS' in teal. Underneath this title are two teal boxes: 'ADAPTIVE LEARNING PLATFORMS' on the left and 'ADAPTIVE CONTENT PUBLISHERS' on the right. The rest of the page content is partially obscured by a black bar at the bottom.

Today's Digital Solutions for Education



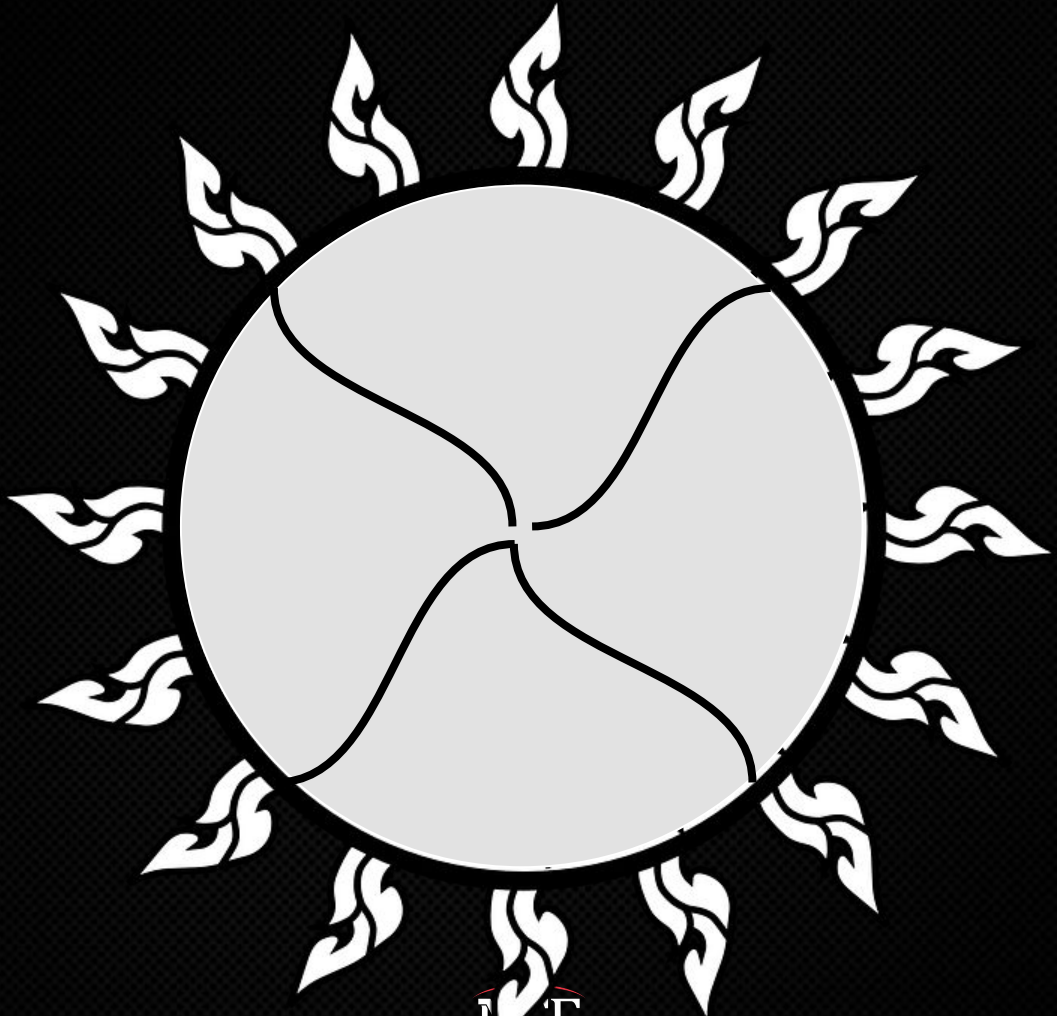
Source: IBM, April 2016

Blackboard



Blackboard

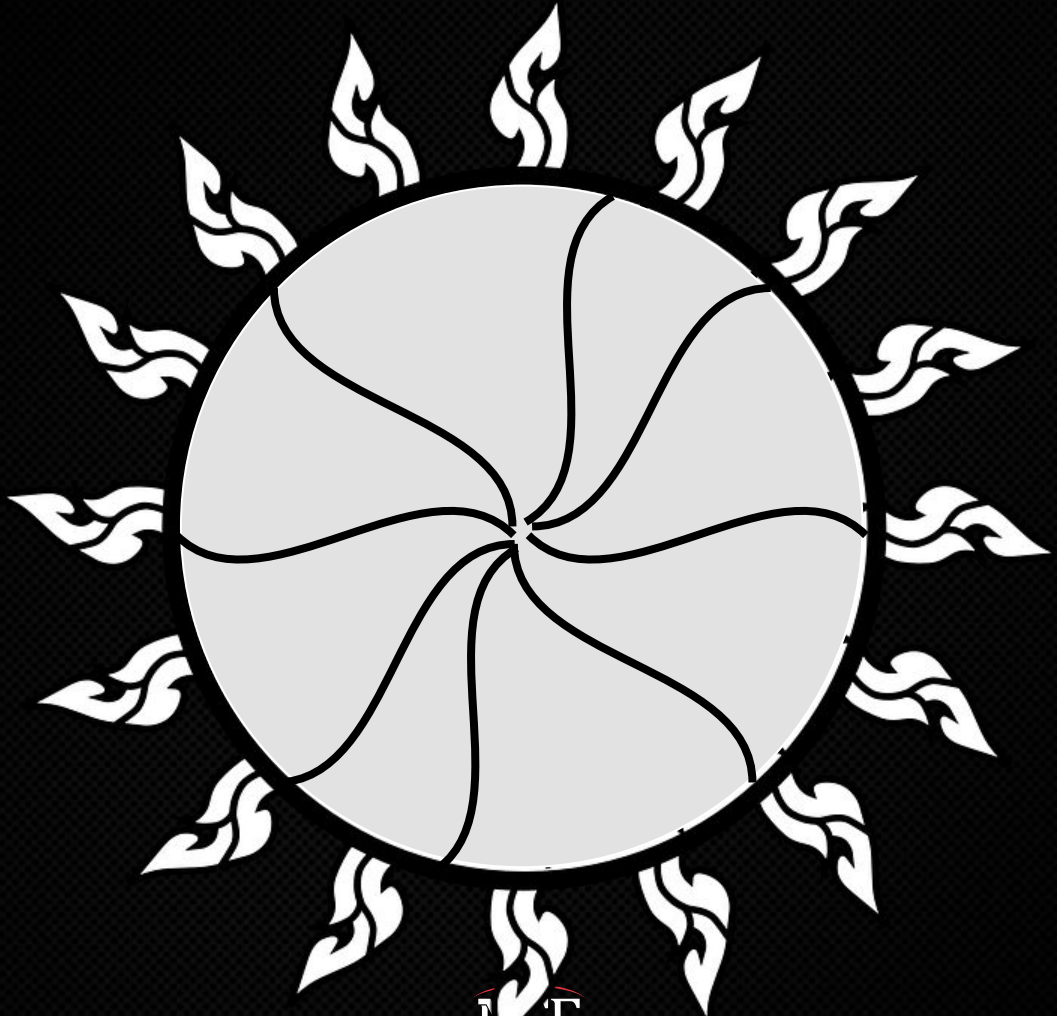
+ Instructional
Design by
Professors



Blackboard

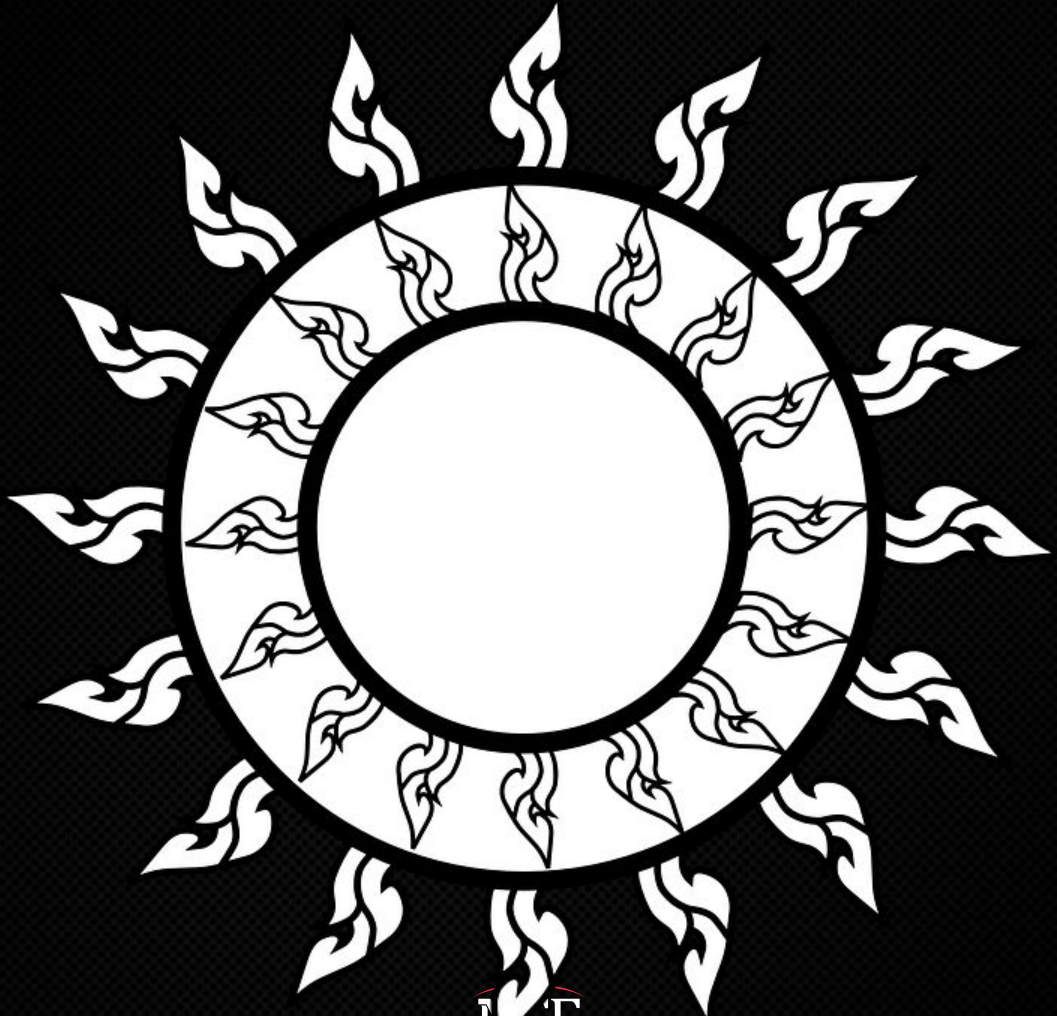
+ Instructional
Design by
Professors

+ Instructional
Design by
Professors



Blackboard

+ Digital and
Adaptive
Platforms



Blackboard

+ Digital and
Adaptive
Platforms

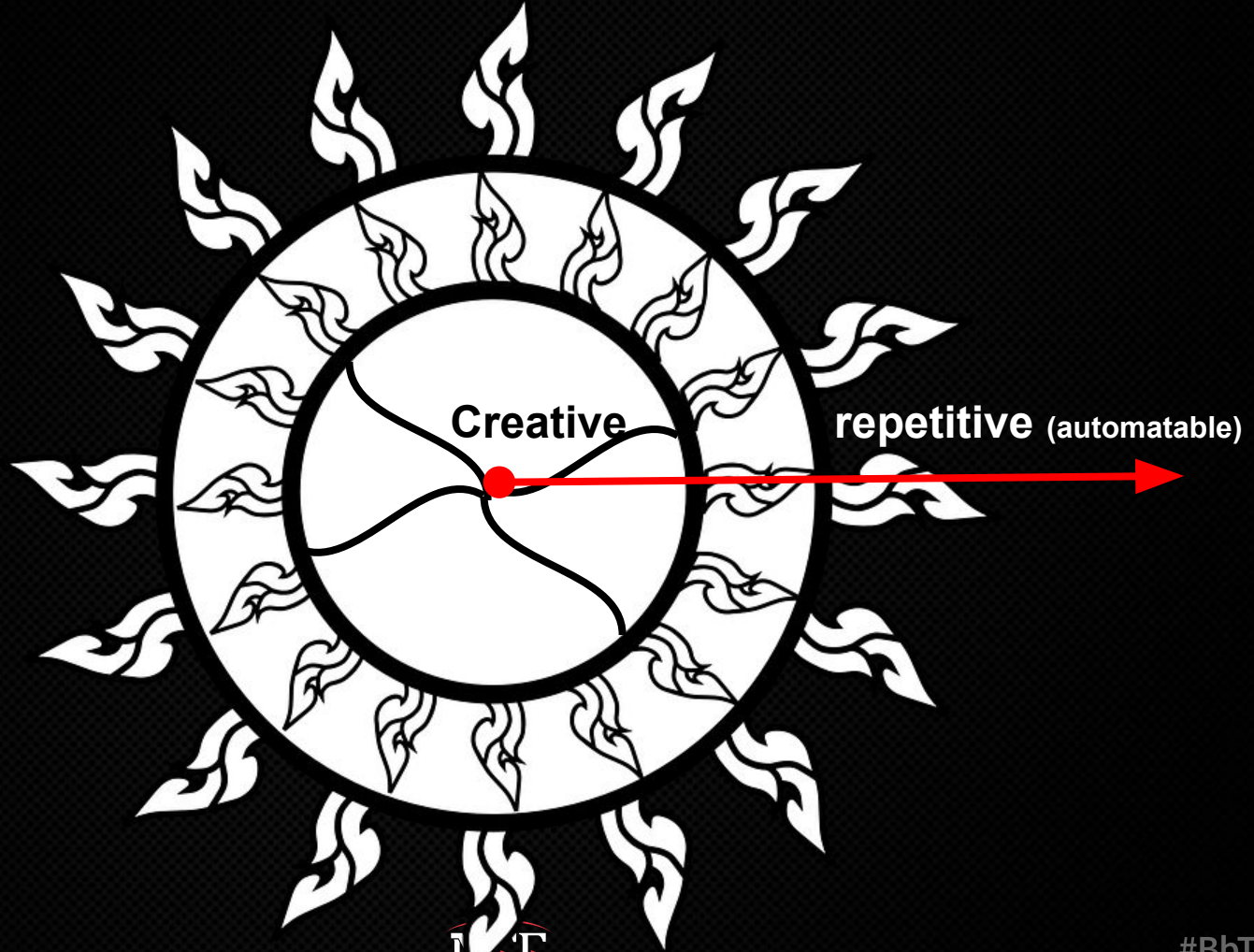
+ Instructional
Design by
Professors



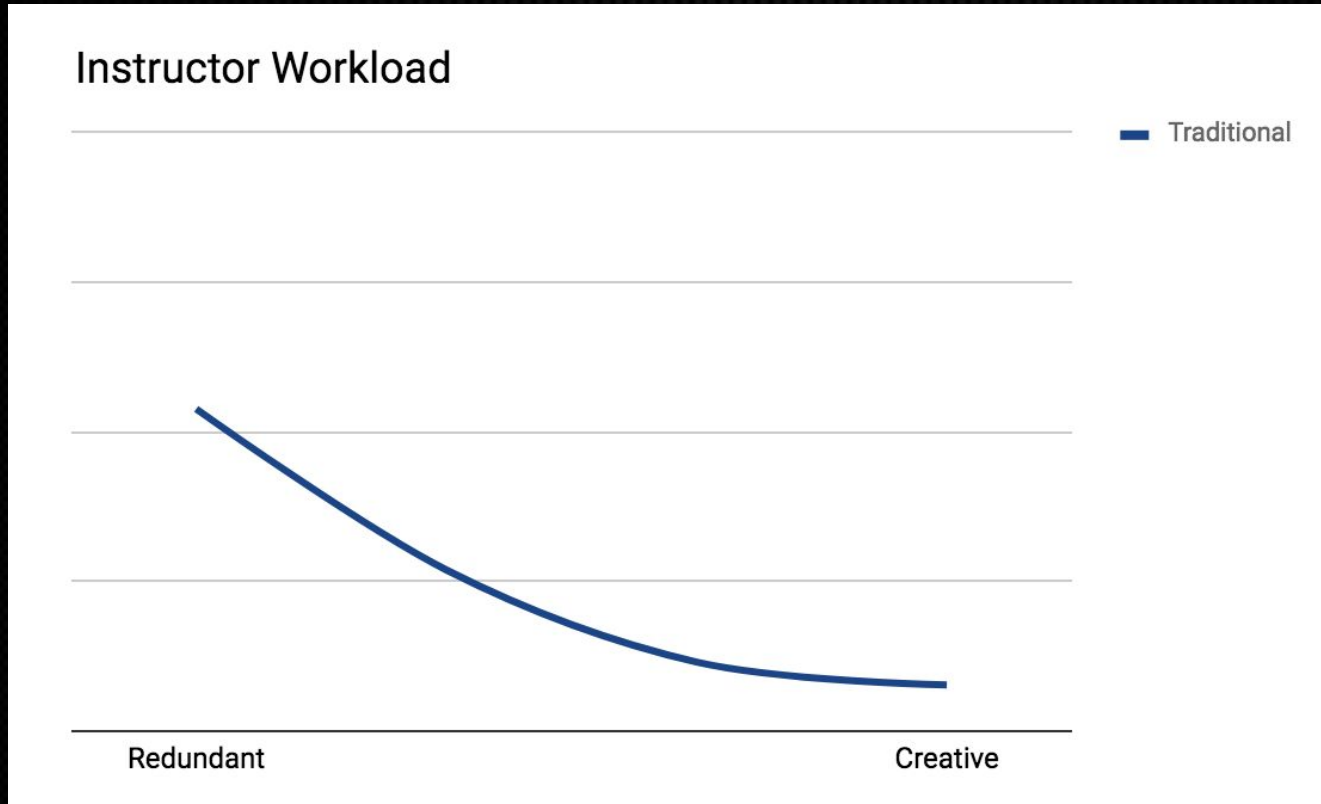
Blackboard

+ Digital and Adaptive Platforms

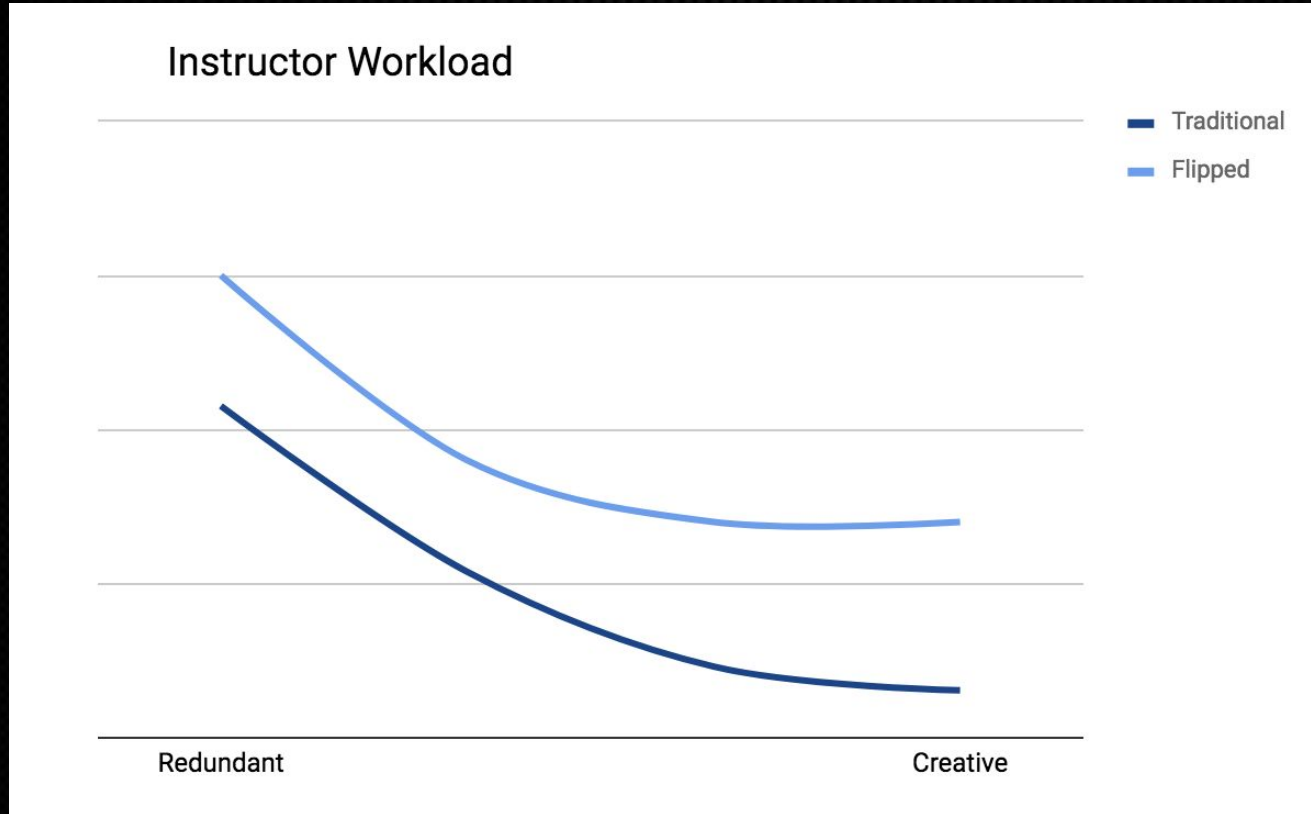
+ Instructional Design by Professors



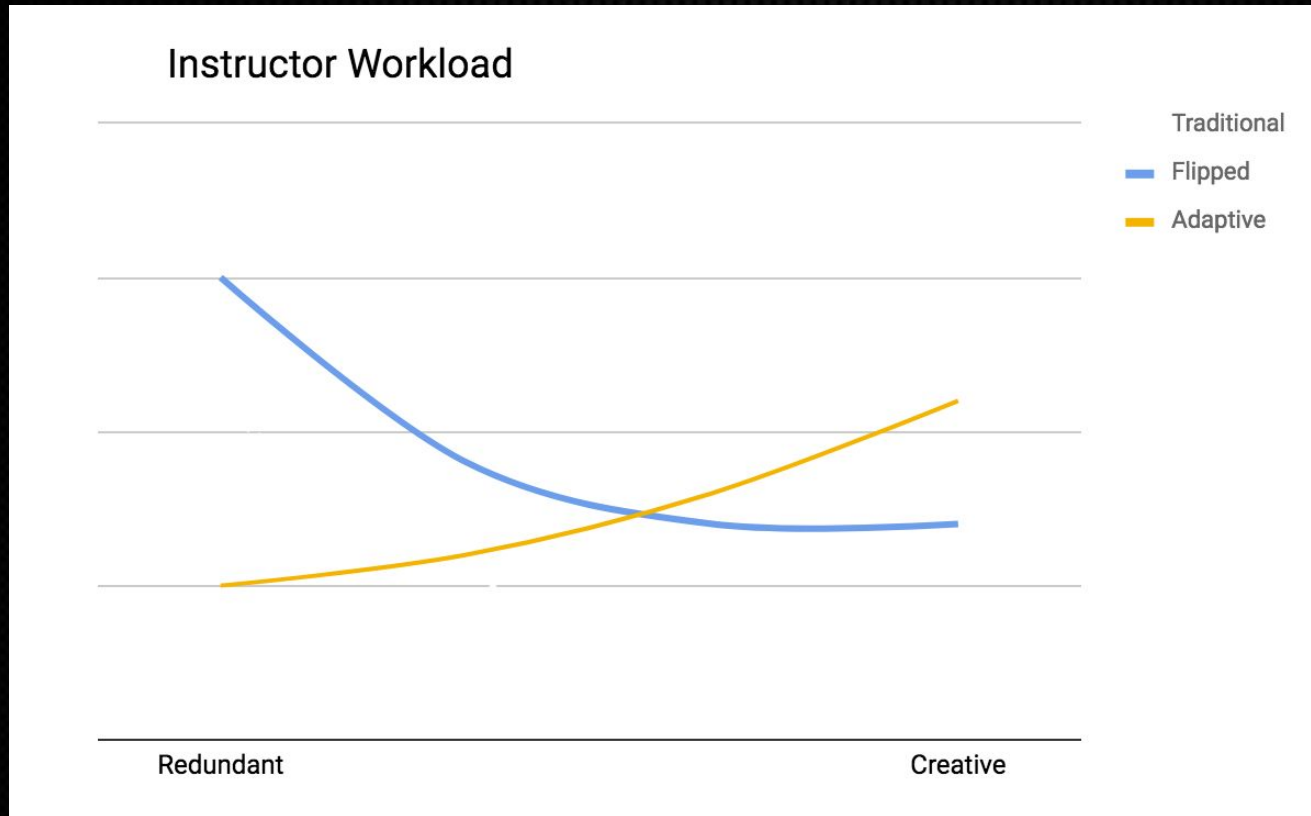
Changes in Instructor Workload



Changes in Instructor Workload



Changes in Instructor Workload



Views of MEF Instructors on these Platforms

Prof. Dr. Can Fuat Delale, Calculus II



The platform boasts a rich library of questions.

With quizzes and homework, the student is presented with a randomly assigned question that is categorized based on the level of difficulty. These are graded automatically. Another fine attribute of the system is that it allows students with an environment to study on their own.

Prof. Dr. Semra Ağralı, Supply Chain Management



It is not the kind of thing you can assess the usefulness of, without utilizing it directly.

For instance, an online quiz is uploaded online on Monday night and they have time until Tuesday night to wrap it up. I have allowed them to go back, check on their own responses and make amendments. That is because I mostly used the quizzes as a tool to make them think “I couldn’t do this one, let me go back and rectify”, instead of assessing their level of understanding.

6 Characteristics To Increase Technology Adoption -Thorpe, L. (2015)

1 - Leadership from the top

2 - Institutional commitment and investment

3 - Robust and reliable infrastructure

4 - Effective and available support for academic staff

5 - Ability to demonstrate the benefits to the student and staff experience

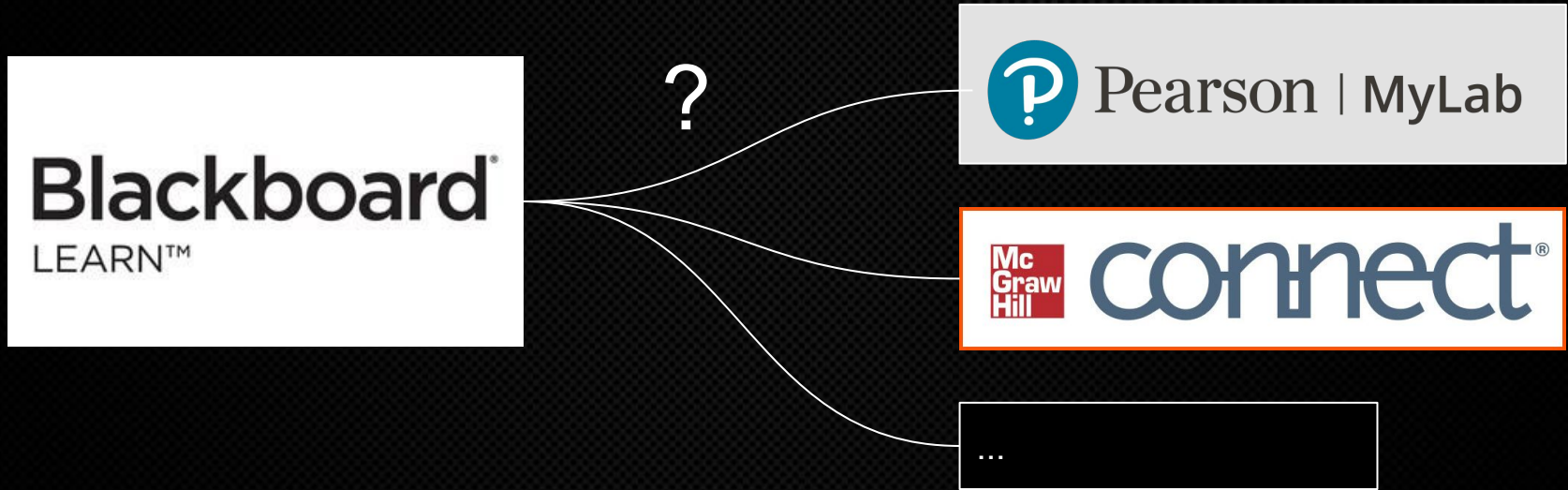
6 - Evidence-based decision-making and a continuous cycle of improvement

1 - Leadership

2 - Commitment and Investment



3 - Reliable Infrastructure



- 4- Academic support
- 5- Promote among Instructors and Students
- 6- Continuous improvement



2017-2018 SPRING (Free Trial)

18 Courses

870 Students

2018-2019 FALL

38 Courses


2.200 Students

2018-2019 SPRING

~50 Courses

1500 students

Total cost of 2018-2019 for MEF ~500.000 TL

A man with a beard and short hair, wearing a light blue button-down shirt and yellow pants, stands on a staircase. He is looking directly at the camera with a neutral expression. The background shows the wooden railings and steps of the staircase, with a window in the distance. The overall lighting is soft and natural.

Thanks for your attention!
Any Questions?