

ed | **X**change

Open Source Match-making + Co-funding

How might edX partners collaborate to better share, co-create, co-fund and integrate more open source tools on edX.org (+ beyond)?

The Story of CCX

MIT finds many MOOC takers are educators

- Collaborated with Stanford, edX
- Proposed 'Custom Courses on edX' or CCX
- Hired Jazkarta to submit code to Open edX
- Created more than a dozen CCXs: Quantum Mechanics, Entrepreneurship, Biology

Home Course Discussion Wiki Progress CCX Coach Instructor

CCX COACH DASHBOARD

[Enrollment](#) **Schedule** [Student Admin](#) [Grading Policy](#)

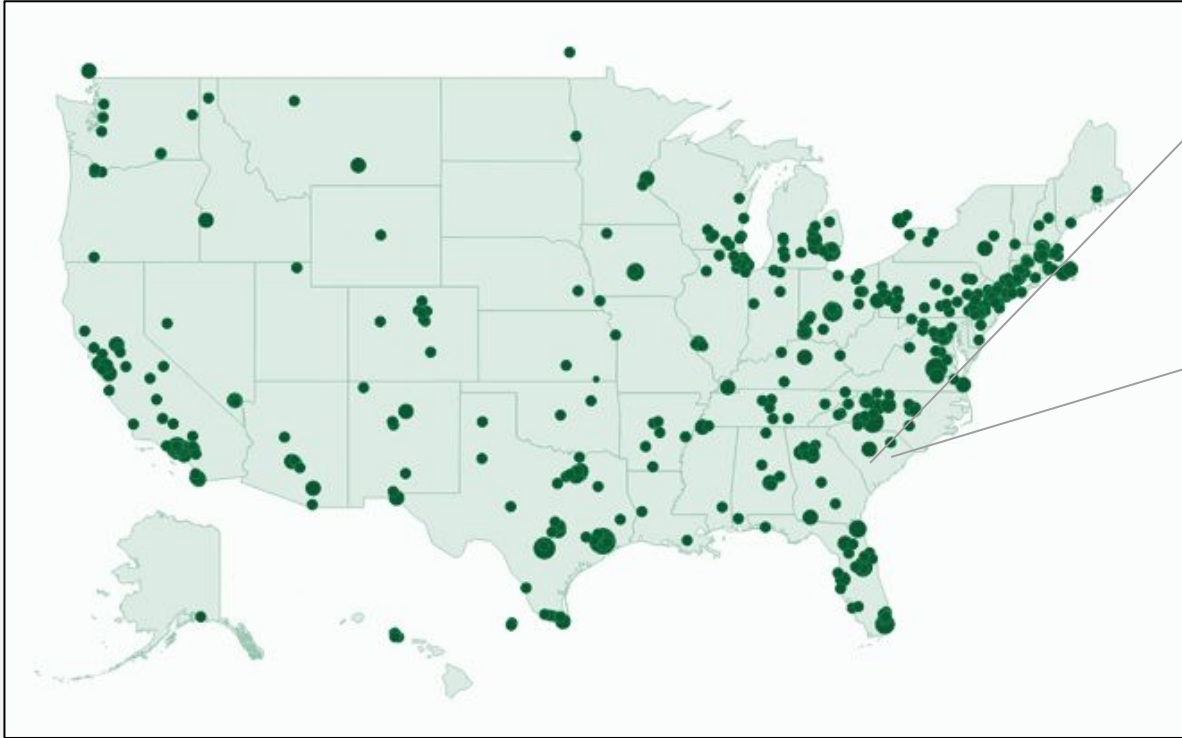
SCHEDULE [Expand All](#) [Collapse All](#)

Unit	Start Date	Due Date	x remove all
▶ Chudzicki For 801	2015-01-01 00:00	N/A	x remove
▶ Miscellaneous Demos	2015-01-01 00:00	N/A	x remove
▶ Testing Plotly	2015-01-01 00:00	N/A	x remove

Schedule a Unit

All units have been added.

Davidson creates MOOCs for high schools



AP Physics 1
Challenging Concepts

DAVIDSON
next



Private Versions (CCX)

6 courses

510 teachers +

13,117 students served

Public Versions (edX.org)

13K + learners

Our Goal: Increase digital literacy



Our Challenge: Deliver a full classroom experience







■ Open Craft

Custom courses on edX
(CCX)



Example 2: Peer Instruction

- HarvardX, John Abbott College & Dawson College
- UBC

< Previous     Next >

Unit

[Bookmark this page](#)

LTI (External resource)

(1.0 / 1.0 points)

While in the South Atlantic, the Mignonette sank, leaving a cabin boy and three others in a lifeboat with little food or water. The three ultimately killed and ate the cabin boy. They were rescued, but were then charged with murder and found guilty. Was it justified for the sailors to eat the cabin boy?

- **A. Yes**
- B. No

You answered **A** and gave this rationale:

Because

Consider the problem again, noting the rationales below that have been provided by other students. They may, or may not, cause you to reconsider your answer. Read them, and select your final answer.

A

- He's sick anyway. F* him.
- He's yummy!
- Otherwise everyone starves to death.
- If they don't eat the cabin boy, then four people will die, as opposed to one.
- I stick with my own rationale.


B

- They didn't actually knew what would happen - what if they had killed him, and a couple of hours later someone rescued them? He would have been killed in vain.
- Is there a reason they can't eat fish?
- We do not want to live in a society in which murder is ever considered justifiable.
- I can't stomach the idea!

Example 3: Essay Questions

- McKinsey, Harvard GSE & Davidson
- Dartmouth
- edX

Activity 2 EDIT VIEW SHARE DELETE ...

Now click on the third screen (the  icon.)

Using the sliders provided, investigate how the pressure at a given depth depends on the density of the liquid. Make a claim and back your claim with evidence gathered from the simulation. Answer in two to three sentences.

Question EDIT VIEW SHARE DELETE ...

Observation and Explanation for Activity 1

Message shown when complete EDIT VIEW SHARE DELETE ...

A graph is good evidence. The slope is proportional to the density of the liquid but the intercept is the same as it was before. The physical reason for the intercept being the same is that all were done where the atmospheric pressure had the same standard value.

This message will be shown when the student achieves a perfect score. Note that it is ignored in Problem Builder blocks using the legacy assessment mode.

**How might we make these
connections more often
and maximize our collective resources?**



Need a tool for a course? Which ones exist?
Does anybody else faces the challenges I'm facing?



Should I build it from scratch?
If only I had sufficient resources to make it happen...



External developers working with edX partners
become the de facto 'match-makers'



Informal conversations within edX community helps.
But this is hit or miss -- and difficult.

Challenge:

To share + collaborate
more effectively

Via online forum,
edX partners & contributors can:

- showcase existing tools
- discuss common needs/wants
- co-fund new development

The Design: 3 Buckets

What Do
We Have?

The Design: 3 Buckets

What Do
We Have?

What Do
We Need?

The Design: 3 Buckets

What Do
We Have?

What Do
We Need?

Let's Build
It!

Share + Collaborate

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0

Learning components tagging

betterinsights, learningmodules, learningquality, campusil, edxinsights, adaptivelearning

Vote



yoavca 

14d

if every component in a course can be tagged as related to a specific subject in course desired learned knowledge/skill set, then the course team will be able to get insights on topics that the learners struggle with. example: in a calculus course, the teacher will look at his teacher insights, and will understand that most of the class got the hang of derivatives, but have problems with integrals.



 Reply

created



14d

last reply



11d

1

reply

3

views

2

users

1

link



pdpinch 

11d

edX intends to work on this in 2017. See <https://openedx.atlassian.net/wiki/display/OPEN/Content+Taxonomies>

They are interested in input.



1
Voted

Add additional classroom related metrics to insights

betterinsights, edxinsights, empowerthestaff, classroomexperience, perlearnerinsights, campusil



yoavca 

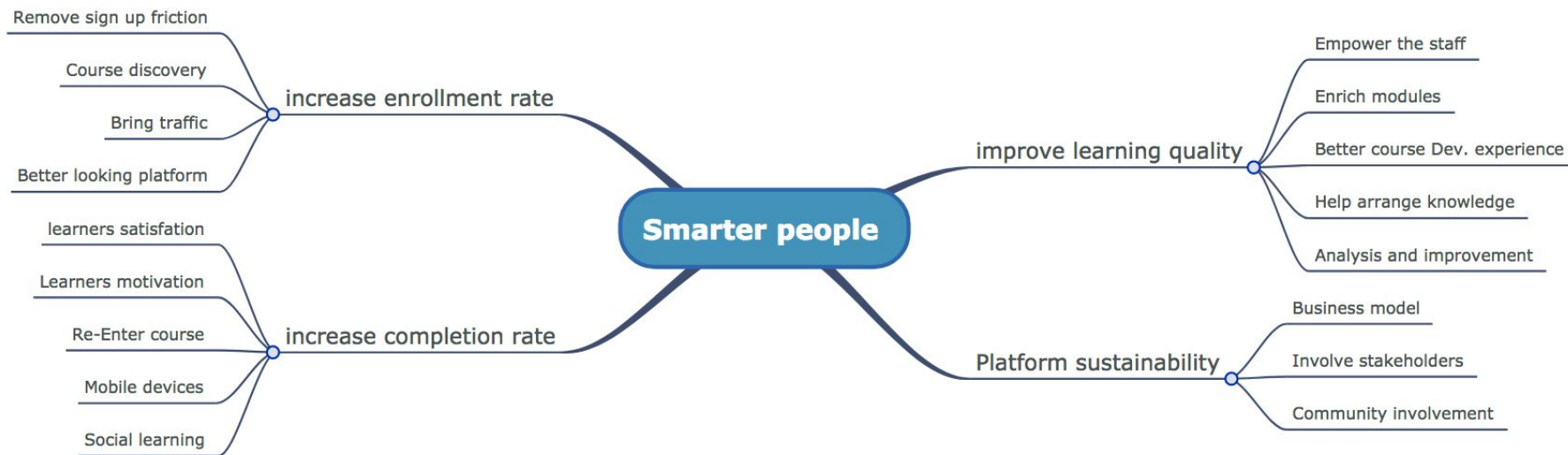
14d

a course teacher will be able to receive actionable insights on his learners. examples: direct attention to struggling students, highlighted question / subjects the class struggled with (rely on learning components tagging)

   Reply

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Tag clouds

Co-fund + Build



Join us!

Any projects you would like
to find partners for?

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FOLLOW-UP: Bird of a Feather
session TODAY @ 16:10
{in the coffee area on the
ground floor}



Questions?

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