Use OER
to Create Equity in K-12 Instruction and Materials without Internet

To ask a question or view slides
Go to
https://moodle.sabier.org/course/view.php?id=46
Moodlebox
A Moodle Platform on Raspberry Pi
MOODLE + RASPBERRY = MOODLEBOX

A SMALL BOX ON THE TABLE THAT BRINGS MOODLE TO THE ENTIRE CLASSROOM HAS A TOUCH OF MAGIC!
How OER is Used

The current predominant model of using **OER in Higher Ed**

- Pressbooks + Proprietary Homework systems
- California Higher Ed is beginning to use more and more OER in their LMSs. mostly their statewide implementations of Canvas

The current predominant model of using **OER in K-12**

- lots of worksheets - either printed or copied into Google Docs
- Whole year curriculum OER is being adapted by for-profit companies and delivered via their proprietary LMS.
OER in K-12

Great Minds
  Phd Science for Science
  My Geodes early literacy and Science
  Affirm for both math and reading

CommonLit
  For Reading -

OpenScieEd
  Uses Kiddom for digital a version

Illustrative Mathematics
  Probably the most widely used OER full course curriculum
IM K–12 OER Math is a highly rated problem-based core curriculum designed for in person class instruction.

The IM guides for teachers stress the necessity for students to work in groups to solve problems and construct arguments.
Illustrative Mathematics
OER authors

Kendall-Hunt
Printer and Html

Imagine Learning
Desmos
McGraw-Hill

All are Proprietary LMS-like
$20/student/year

Open Up Resources
Printers and Distributors
OER

KIDDOM
Proprietary LMS-like
$20/student/year
In the Future K-12 will mostly use OER in an LMS (proprietary or not).

It will be discipline specific.

It won’t require an institutional LMS instance.
Equitable Instruction Materials

using

OER Content

Open Source LMS

Open Source Content Delivery

Without Internet
Components of Equitable Instruction

students see themselves in the content they’re studying;

student voices are incorporated directly into the curriculum;

all cultures are represented in the standard curriculum.

students do collaborative problem solving using digital tools (in-person or remote.)

students use multiple types of media to create solutions
Why use an LMS?
Many languages available for instruction using Moodle.
Students can more easily check their progress
Increase student and teacher communication
Additional ways to assess student learning
Easily accessible from mobile devices
Illustrative Mathematics via Kendall-Hunt

The original OER curriculum designed to be used on paper
An example of how to modify OER content

For

Equity or Culturally Responsive Instruction
Moodlebox
A Moodle Platform on Raspberry Pi
Use OER in Moodle to Create Equity

Or individualized instruction

Or Culturally responsive Instruction

Instruction designed for specific students
A Pathway to Equitable Math Instruction

https://equitablemath.org/
Thank You

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