



ACADEMIC SENATE FOR CALIFORNIA COMMUNITY COLLEGES

# OER and Math — Sharing and Learning Session

5/13/22

Scott Hubbard ([shubbard@losmedanos.edu](mailto:shubbard@losmedanos.edu))

 Link to Slides: <http://bit.do/mathoer3>

 Link to Resources in [Google Drive](#)

# Who Am I?

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## Scott Hubbard, Los Medanos College

Math faculty at Los Medanos College

OER user for seven years

OERI Liaison and Math Discipline Lead

Project co-lead at LMC for four years

Our OER@LMC page: <https://www.losmedanos.edu/oer/>



# What are Open Educational Resources?

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Creative Commons defines OER as teaching, learning, and research materials that are either (a) in the public domain or (b) licensed in a manner that provides everyone with free and perpetual permission to engage in the 5R activities– retaining, remixing, revising, reusing and redistributing the resources.

– [Creative Commons](#)

# The 5R Permissions of OER

**Retain**

**Make and own copies**

**Reuse**

**Use in a wide range of ways**

**Revise**

**Adapt, modify, and improve**

**Remix**

**Combine two or more**

**Redistribute**

**Share with others**

## Traditional Textbook

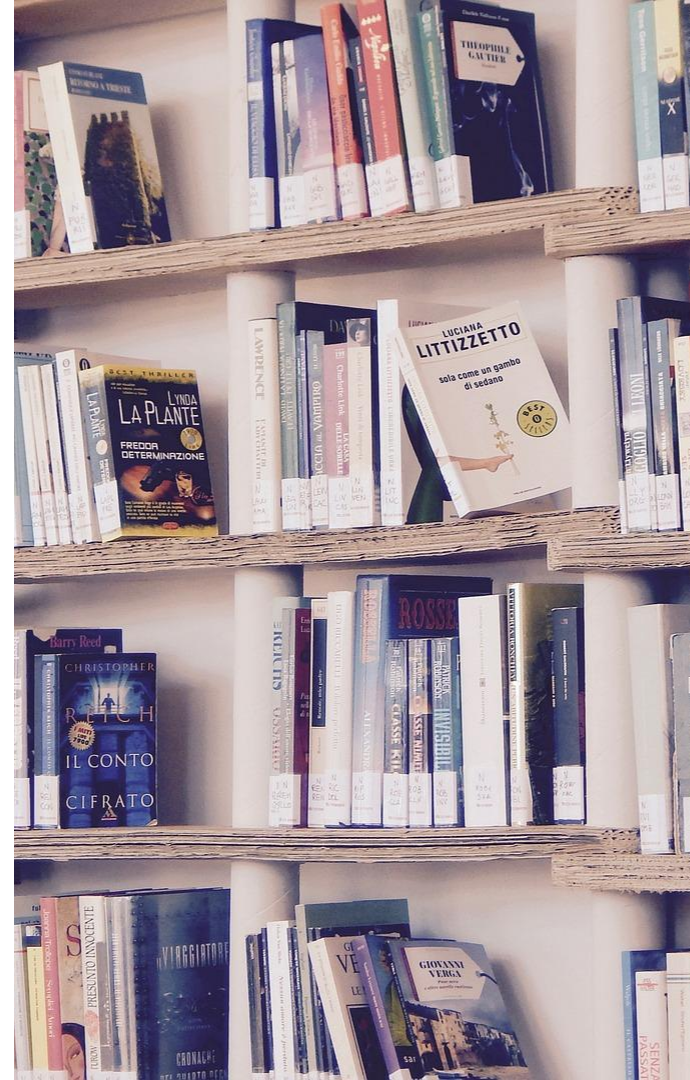
- Publishing company owns copyright and sells book for profit
- Cannot copy, scan, or share without permission
- One student = one copy
- Cannot change (revise or edit) material

## OER

- No one making a profit
- Freely and instantly available online
- Copy, scan, share, as much as needed
- Edit, revise, modify (depending on the license)

# Why Use OER, Especially Now?

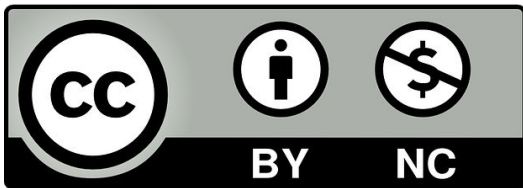
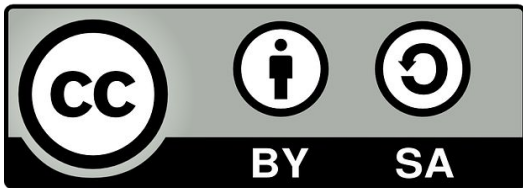
- Free - students need extra financial help right now
- Instant access - no waiting for books to arrive
- Takes guessing game out of copyright and fair use
- Perfect for online classes - many can be integrated into Canvas
- Many have a print option



# How Do You Know if Something is OER and Not Just Free?

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Look for Creative Commons licenses:

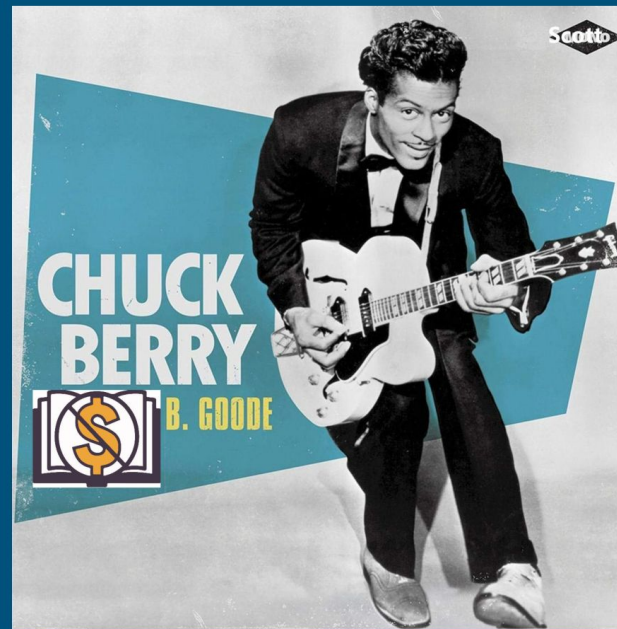


# OER and ZTC Helps Students

## The Data Show – *ZTC Helps Students (+3% to +6%)*

### Making the Case – *ZTC B. Goode!*

- For California (+3%)
- For 4CD (+6%)
- For LMC (+4%)
- For DVC (+3%)







## Resources

- <https://asccc-oeri.org/resources/>
- <https://ccconlineed.instructure.com/courses/4543/pages/discipline-page>
- <https://ccconlineed.instructure.com/courses/4543/pages/oer-and-the-math-transfer-model-curriculum>
- <https://cool4ed.org/course-showcase>
- <https://www.cool4ed.org/courseshowcase-resources/36/317>
- <https://openstax.org/subjects/math>
- <https://www.myopenmath.com/>



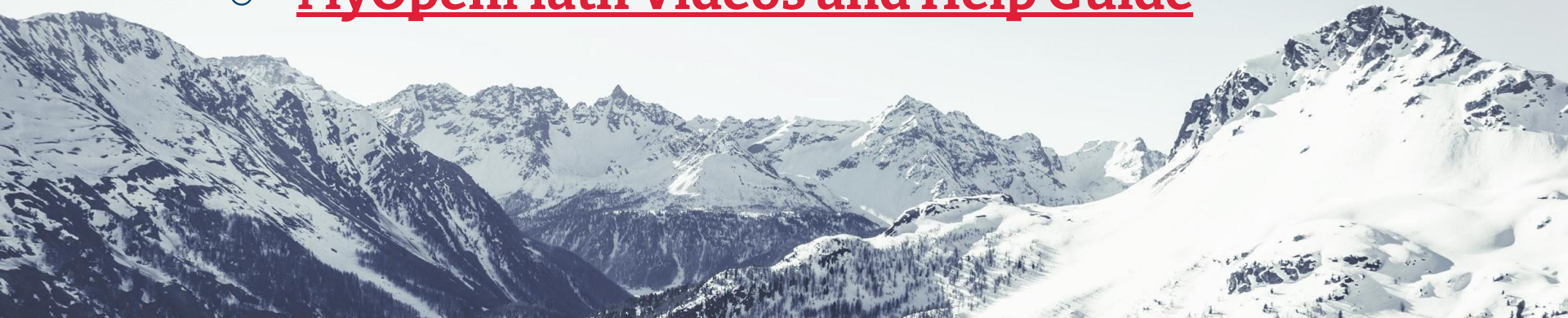
# Math OER — CA Community Colleges (TMC)

- [Math OER and the CA TMC \(Resource Guide\)](#)
- [ASCCC OERI Canvas Shell — Math](#)

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# Discussion Time

- What's Good and Not So Good for Math OER
- MyOpenMath
  - [LTI Integration Help Document](#)
  - [MyOpenMath Videos and Help Guide](#)





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