OER Accessibility Framework

Applications for STEM

SIMIODE - Session 2

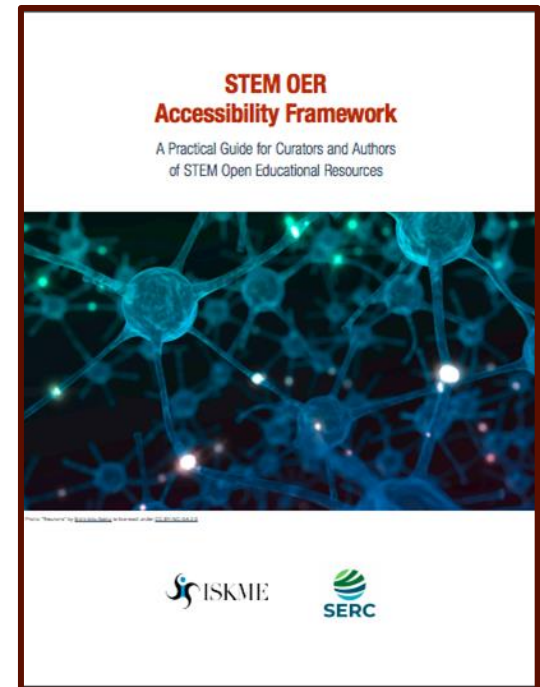February 13, 2021

Amee Evans Godwin & Cynthia Jimes, ISKME

ISKME
Institute for the Study of
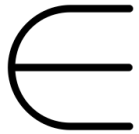**Knowledge Management**
in Education

SERC

Framework & Guide

- 23 accessibility criteria, organized under a POUR + STEM (POURS) Framework:

  - **Perceivable**: Can all students at least perceive the content?

  - **Operable:** Are all students able to navigate and interact with the content?

  - **Understandable:** Are all students able to understand the content?

  - **Robust:** Are all students able to interact with the formats used to present the content?

  > **STEM:** Are all students able to access and use content components that are relevant to STEM?

- For each criterion: Checklist, definition, best practices, examples, and tools

Access the Framework at https://tinyurl.com/STEMOERAccessibility

STEM OER Accessibility Framework

A Practical Guide for Curators and Authors of STEM Open Educational Resources
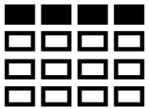
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Are all students able to access and use content elements that are particular to STEM?
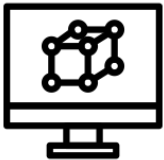
Are all **equations and formulas** included as markup language?

Are all i**mportant charts, graphs, or other data visualizations** accessible?

Are all important **data tables** accessible?

Are all **simulations** accessible?

Are all **maps and geographies** accessible?

Applying the Framework to STEM OER

- How do I know if this open resource meets the accessibility needs of my learners?

- What must be changed in this resource to make it more accessible?

Active Calculus

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https://www.oercommons.org/courses/active-calculus-2/

Discussion

- How might I more efficiently identify accessible OER? Where does metadata fit in?

- Do I need to address all accessibility issues in my resource? Where do I focus my effort?

- Do I have the skills to remediate my resource once I determine its gaps? If not, where do I turn?

Connect With Us

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