OER Accessibility Framework
Applications for STEM

SIMIODE - Session 2
February 13, 2021

Amee Evans Godwin & Cynthia Jimes, ISKME

Unless otherwise noted, this presentation is licensed by ISKME, CC BY 4.0
Photo, “Neurons,” by Birth Into Being, is licensed under CC BY-NC-SA 2.0
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/STEMOERAAccessibility](https://tinyurl.com/STEMOERAAccessibility)
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 important 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?

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

ISKME

Amee Evans Godwin
VP, Research & Development
amee@iskme.org

Cynthia Jimes, Ph.D.
Director, Research & Learning
cynthia@iskme.org

SERC

Sean Fox
Technical Director, SERC/Carleton College
sfox@carleton.edu