STEM Ed+ Commons: A FAIR/CARE/OS RCN

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DBER+ STEM Ed+ Commons

Tertiary STEM Ed Research

- Science education
- DBER (discipline-based education research)
- SOTL (scholarship of teaching and learning)
- Ed psych learning science, cognitive science, etc
Challenges

- Metadata standards
- Data access principles
- Quantitative and qualitative data
- Research outputs beyond publication
FAIR/CARE/OS RCN
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Subject competency and teacher knowledge: An exploration of second-year pre-service mathematics teachers’ difficulties in solving logarithmic problems using basic rules for logarithm

Author(s): Victor Nnadozie (see profile), Izuchukwu Okoye-Ogbalu
Date: 2023
Group(s): Artificial Intelligence, Education and Pedagogy, Open Access Books Network
Subject(s): Mathematics--Study and teaching, Teaching, Education, Higher
Item Type: Article
Tag(s): Pre-service teachers, Subject competency, Mathematics teacher knowledge, APOS theory, Mathematical concepts
Permanent URL: https://doi.org/10.17613/vjtq-rd24

Academic Stressors Among STEM Students in Transitional Face-to-Face Classes

Author(s): Avelina V. Ocnilaria, Conie Alona B. Patosa
Editor(s): Louie P. Gula (see profile)
Date: 2023
Group(s): International Journal of Multidisciplinary Educational Research and Innovation
Subject(s): Social sciences, Humanities, Education
Item Type: Article
Tag(s): parents' expectation, self-expectation, academic requirements, level of stress
Permanent URL: https://doi.org/10.17613/7m2j-7083
INFORM
Share information broadly

INVOLVE
Invite participation in planning

EMPOWER
Cede power to community to decide next steps

CONSULT
Invite feedback on needs and affordances

COLLABORATE
Include community in decision-making

ENGAGE