Developing Global Learning Standards Though Open Education Resources

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ISKME Integrates Emerging Practices Using OER with Research-Based Infrastructure and Pedagogy
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- **OERCommons.org** provides a springboard for use, reuse, and dissemination of flexible and adaptable curricula that support learner-centric approaches.

- **OER Educational Programs** for teachers and school administrators offer a broad area of innovative concepts and practices related to digital and social learning, and open education curriculum.

- **OER Research** explores the ways that OER supports teaching and learning, emergent practices and perceptions aligned to OER, and the types of and ways knowledge is shared through OER use.
OERCommons.org – Infrastructure to Support Continuous Improvement of Resources

- Aggregator of OER resources globally, that thrives on interaction and knowledge sharing
- Infrastructure for teachers, learners, and others to add, use and improve OER
OER Education Programs Support Teachers as Curriculum Experts and Knowledge Builders

• Teachers participate in cross-disciplinary lesson planning in the context of understanding OER

• Teachers collaborate on creating and improving resources while doing investigative, experiential learning with their peers
OER Research Revealing OER as a Process that Supports Knowledge Sharing, Collaboration and Continuous Improvement

Travel Well (2008)  Knowledge about how resources have been used by teachers plays a role in helping new teachers determine whether to use the resources

Connexions (2008); Free High School Science Text (2009)  Larger workgroups lead to more content creation overall and consistency in content contributions

Community College Open Textbook (2010); Siyavula (2010)  Teachers’ participation in OER process increases their collaboration and knowledge sharing around curriculum development and pedagogy
Tying it all Together: The Iterative Cycle of OER and Its Role in the Creation of a Global Learning Knowledge Base

- Teachers and learners access digital, adaptable open resources
- Connections and collaborative activities emerge within & outside the community of users
- Global learning knowledge base emerges in the form of skills, resources, and metadata about those resources
- Refined & new versions of original resource created
- New knowledge arises from engagement with the resource and community
Learning from the Open Access Movement and Beyond

1. Capetown Declaration in 2007 was inspired by the Berlin Declaration (http://capetowndeclaration.org/)
2. There are not the same incentives for research as in practice
3. Sustainability models need to ensure free and open access to curriculum resources for sharing AND remix
4. A curation “container” for education resources needs to contain metadata across sites and standards
5. Teacher collaboration in OER can be used to create global standards for learning
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