

# Teaching Linked Data to Librarians: A Discussion of Pedagogical Methods

*Overview of the Linked Data Working Group,  
George A. Smathers Libraries at the University of Florida*

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# Mini Workshops

- 10-20 minutes each, lightning-style
- Topics:
  - Linked Data Principles and RDF
  - XML & XML Technologies
  - Ontologies and Ontology Languages (RDFS, OWL, and SKOS)
  - Query / Transformation Languages (XSLT, XQuery, SPARQL, SQL)

<http://www.slideshare.net/allisonjai>

# Effective Methods

Make the material approachable

- Tell the story of how you learned the thing
- Treat every topic as both difficult and learnable
- Relate everything back to librarianship

Provide Opportunities for Assessment & Practice

- Formative assessment – ask questions
- Summative assessment – assign homework

Provide Conditions that Provoke Conceptual Change

# Provoke Conceptual Change

- 1) Dissatisfaction
- 2) Intelligibility
- 3) Plausibility
- 4) Fruitfulness

Esther L Zirbel, “Framework for Teaching Conceptual Change”:

<http://cosmos.phy.tufts.edu/~zirbel/ScienceEd/Framework-for-Conceptual-Change.pdf>