

LR Group: Implementation Feedback

Individually address these questions on the Padlet:

1. What LR Lessons have you implemented?
2. What has gone well in the lessons?
3. What challenges have you encountered?
4. What additional support or resources would be helpful to you?

<https://tinyurl.com/LRMELJan26>





Evaluating Sources and Claims

Evaluating Sources and Claims

Teach the Earth Portal

**Model-Evidence Link
Diagrams Project**

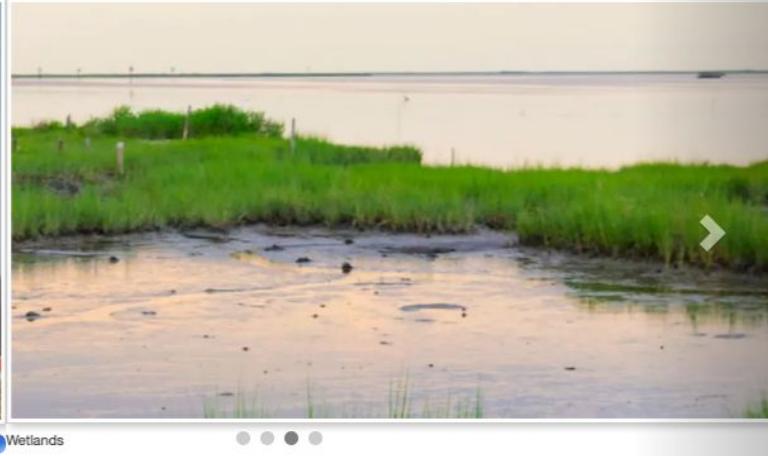
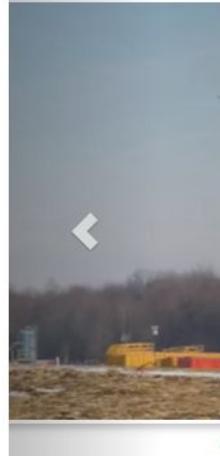
About

Teaching Resources

Professional Development

Lateral Reading-Model-Evidence Link Diagrams (LR-MEL) Project

The purpose of our project is to promote students' civic and scientific evaluations of sources and alternative claims when confronted with controversial and/or complex socioscientific issues in the Earth and environmental sciences. We do this by integrating English Language Arts (ELA) and social studies classrooms—focused on *source evaluation*—with science classrooms—focused on *evaluating connections between lines of evidence and alternative explanatory claims*. We are developing, implementing, and testing complementary Lateral Reading (LR) and Model-Evidence Link (MEL) scaffolds that include instructional materials and methods in both social studies and science classrooms. Issues students explore range from climate change and extreme weather to freshwater availability and food security along with many others.



Wetlands



tinyurl.com/LRteacherguide

serc.carleton.edu/mel/teaching_resources/index.html

 School

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Evaluating Sources and Claims

Model-Evidence Link Diagrams Project > Teaching Resources

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Model-Evidence Link Diagrams Project

About

Teaching Resources

Lesson 1: Intro to Credibility

Lesson 2: Introducing & Modeling Lateral Reading

Lesson 3: Debunking Unhelpful Evaluation Strategies

Lesson 4: Resources for Lateral Reading

Lesson 5: Lateral Reading Review

Climate Change MEL

Dead Zones MEL

Energy MEL

Extreme Weather MEL

Fossils MEL

Teaching Resources

Initial Publication Date: May 14, 2018

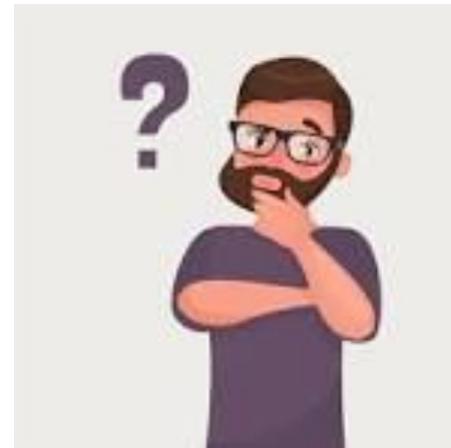
The LR-MEL Project has developed a set of teaching resources to promote students' civic and scientific evaluations of sources and alternative claims when confronted with controversial and/or complex socioscientific issues in the Earth and environmental sciences. We provide five lesson plans and guidelines for teaching lateral reading strategies. We provide MEL activities for teaching socioscientific issues about climate change, dead zones, energy, extreme weather, fracking, freshwater, fossils, moon formation, nuclear energy, origins of the universe, soil & food security, and wetlands. All materials are freely available under a [Creative Commons Attribution-NonCommercial-ShareAlike license](#). You may reuse these materials for non-commercial purposes as long as you provide attribution and offer any derivative works under a similar license. Credit the Science Learning Research Group, University of Maryland, for the development of these materials.

Lateral Reading Teaching Resources

Start here: [Lateral Reading Teacher Guide](#)



What LR lessons have you implemented?



What has gone well in the lessons?



What challenges have you encountered?



What additional support or resources do you need?



Teaching LR

 frontiers | Frontiers for Young Minds

Articles Collections Participate Sections About

Core Concept Earth Sciences Published: May 20, 2020

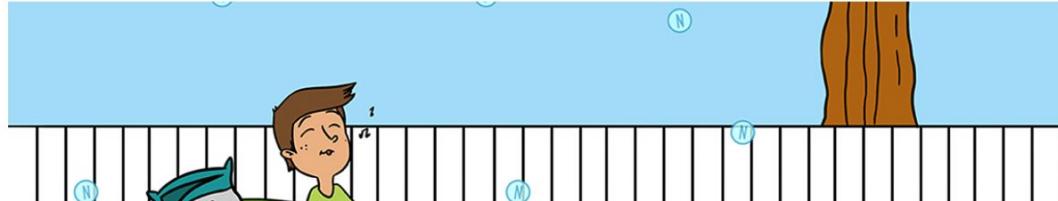
Is Too Much Fertilizer a Problem?

Authors

 Christopher J. Sedlacek  Andrew T. Giguere  Petra Pjevac

Young Reviewers

 Aryan



The illustration shows a young boy with brown hair, wearing a green shirt, sitting inside a white-framed greenhouse. He is looking towards the right. In the background, there is a large blue area representing water, with a brown tree trunk on the right side. Three fertilizer bags are stacked on the ground in front of the boy. The bags are labeled with letters in circles: 'N' (nitrogen), 'M' (likely magnesium), and 'H' (likely humic acids or hydrogen). The greenhouse has a grid pattern on its walls.

<http://tinyurl.com/129lrpractice>