

## CER Toolkit Item List

1. "CER Introductory Video" → Video with instructions on how to use tool kit and narration of PowerPoint.
2. "CER Presentation" → Slide show that explains what STEM is and how to implement it successfully.
3. "CER Article Annotations" → An annotated summary of several peer-reviewed articles relevant to CER.
4. "Critical Observation Protocol" → A guide to use in your classroom to assist students in noticing the differences in examples and non-examples of good science writing. This resource is very open-ended but contains two examples.
5. "How To Read Science Articles" → A guide for introducing your students to reading science articles (Purugganan and Hewitt, 2004).
6. "Peer Review" Folder → includes a blank sample peer review form and completed student samples.
7. "Example 1-Yeast Spheres" Folder → A multi-day investigation, including embedded supports, using argumentation into the role of enzymes.
8. "Example 2-Kinetic Molecular Theory" Folder → A simple investigation into kinetic molecular theory with embedded supports to assist students in developing cohesive reasoning for CER.

Questions? Email [acompton@miami.edu](mailto:acompton@miami.edu)

This toolkit was designed by Angela Compton for the SEALED data repository.

## References

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