

ICMEE eWorkshop 5E Model for Multilingual Students (Grades K-8)

Essential Question: How can I use the 5E Instructional Model to improve my science instruction to engage multilingual students more meaningfully in the development of science knowledge and academic language?

Guiding Questions:

- **Unit 1:** How can I plan dynamic science instruction that supports multilingual students' growth in science knowledge and language development?
- Unit 2: How can I use Engage and Explore activities to make science concepts accessible for
- multilingual students?
 - Unit 3: How can I provide comprehensible input for multilingual students in the Explain phase of a 5E
- Model lesson?
 - Unit 4: How can I support multilingual students in the Elaborate phase of a 5E Model lesson so that
- their content and language learning go deeper?

 Unit 5: How can I appropriately and effectively measure multilingual students' learning in a science unit?
- Unit 6: Answer the Essential Question.

What is an eWorkshop?

Our eWorkshops are innovative online multi-media resources available free of cost to professional learning communities of educators who wish to collaboratively inquire into and improve their practice with bi/multilingual learners.

eWorkshops are inquiry oriented and are guided by an essential question and a guiding question for each of the six units in an eWorkshop. Each unit follows the same three-part learning cycle that we call *Explore*, *Make-It-Work*, and *Share*. In *Explore* participants spend 30-60 minutes exploring new ideas, content, concepts or perspectives. In *Make-It-Work*, participants are offered a minimum of two designed and completely supported options of how to make the new learning from *Explore* work in an actual classroom context. *Make-It-Work* takes around one hour of a participant's time and always has a "You Make-It-Work" option, which gives participants the flexibility to design their own approach or tweak one of the options we offered. Finally, participants *Share* their learning either in our online space (a threaded discussion) or Face-toFace. Share usually takes 30-60 minutes of a participant's time meaning that completing the three-part learning cycle of each unit takes about three hours. eWorkshop participants who complete all six units can receive a certificate of completion as well as use their work towards a course that will earn them one graduate level credit at the University of Nebraska Lincoln. To learn more about our eWorkshops, please visit: https://cehs.unl.edu/icmee/

