ESTA: Educating Science Teachers for All

The DLSU Experience

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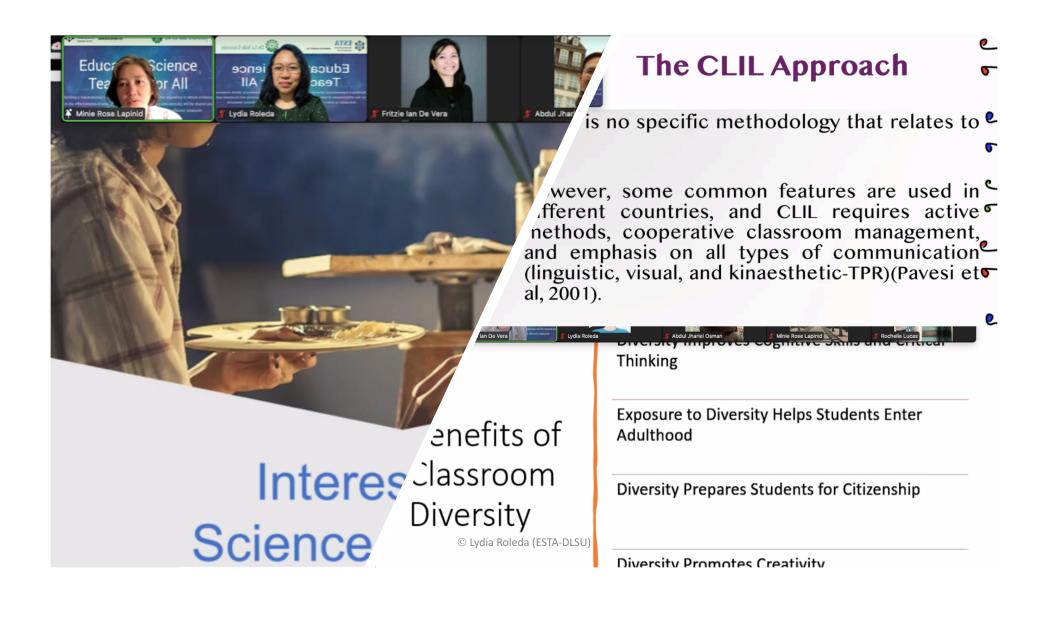
Department of Science Education



E. S. T. A. @ DLSU

Our goals:

- improve instruction
 - providing diversity-sensitive approaches in teaching science classes
- enhance student interest in science
- Our ways:
 - capacity-building of science teachers
 - infrastructure support







Culturally responsive teaching (CRT)

- "an educator's ability to recognize students' cultural displays of learning and meaning making and respond positively and constructively with teaching moves that use cultural knowledge as a scaffold to connect what the student knows to new concepts and content in order to promote effective information processing.
- All the while the educator understands the importance of being in a *relationship* and having a social-emotional *connection* to the student in order to create a **safe space for learning**."

• (Z. Hammond, 2015, p.15)

Deficit Thinking Paradigm

- "...an ill-informed belief that a student's failures are attributable to to the student's lack of intellectual ability, linguistic inferiority, or family dysfunction..."

Widen your "cultural aperture."

The Academic Mindset

 beliefs and attitudes, or ways of perceiving oneself in relation to learning and intellectual work that motivate students to engage in a learning task

(Farrington et al., 2012)

thank you...

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Educating Science Teachers for All (ESTA) https://esta-project.eu

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