



From the Desk of Dr. C.

Enseñad al Pueblo a pensar
- Eugenio María de Hostos

Thinking Critically



*Formerly Critical Thinking
for ESL Students*

MATHEMATICS EDUCATION SEMINAR

Mathematical and Scientific Creativity of Our Students- -The Root of Their STEM Success

Tuesday, December 1, 3:30 PM

Zoom ID: <https://hostos-cuny-edu.zoom.us/j/4889258836>

Professor B. Czarnocha and Professor W. Baker

We will discuss recent research into student creativity of Aha! Moments in mathematics classrooms. Examples of facilitation Aha! Moments in mathematics and physics will be provided together with the proposed instruments to assess the depth of knowledge gained during Aha! Moment insight, which, in other words, provide the answer to the question How can we measure creativity.

The introduction of creativity into learning mathematics is both important and controversial. Creativity has been identified with acts of originality and novel strategies to solve problems of gifted students. In distinction, our research views creativity as every human's essential quality, which in the process of learning needs to be considered subjectively as the act of creating meaningful, novel for the learner mathematical relationships.

We will discuss the bisociativity theory underlying Aha! Moment (Eureka Experience) insight, its application to learning and the nature of instructor's involvement in the process of facilitation classroom mathematical creativity.