

STEAM Everyday for Everyone

LAUSD Course #NA-11-123

Approved for 1 Salary Point (LAUSD-specific)

Brief Overview

Every child is a scientist-artist, yet too often the scientific inquiry, observations, hypothesizing, testing, and revising that naturally occur in children’s learning patterns, as well as the creativity and joy of artistic expression are diminished as students are pressured toward preparedness for “high-stakes” examinations and other less stimulating approaches to instruction and learning. Research shows that on average, students who have access to authentic learning



experiences in the sciences and in math, and who have access to the arts, are more invested in their education, have more motivation to come to school and to work hard, use more of their brains in the learning process, do better in all subjects, and are better equipped for demands of higher education, careers, and life.

In order to support students’ academic achievement and progress as well as their college and career readiness, this course provides 5 key items:

- Providing “3-dimensional” learning.
- Paying special attention to the context of the content and of the learners – making connections between the students’ community and lives and the content being taught.
- Arranging increased opportunity for academic discourse.
- Placing particular emphasis on student thinking and reflection.
- Incorporating the arts into teaching and learning activities as much as possible.

Outline of Course

Lesson 1: Overview, including statistics and research supporting STEAM for all students

Lesson 2: Providing 3-dimensional learning

Lesson 3: The importance of context in learning

Lesson 4: Increasing opportunities for academic discourse

Lesson 5: Emphasizing student thinking and reflection

Lesson 6: Incorporating the arts into teaching and learning activities



Final: Summary of learning, highlighting key take-aways from each lesson, in form of paper or multimedia presentation (participant's choice)

Description of Activities

For each session please expect the following activities:

- Read through the lesson and watch videos
- Take a quiz on the material presented
- Complete the quiz and assignment for the lesson
- Post your responses on the discussion forum for interaction with other teachers

Have Questions?

Email our Help Desk at help.ed4equity@gmail.com