

Engaging Students through
STEM Transformative Activities &
CTE Special Projects

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K-14 & Special Projects

Career Pathways Development Goals

- Create a seamless pipeline for students K-14
- The pathway approach prepares students for success after high school
- Exposure to Business and Industry and placement
- Allows students to participate in PBL (Project Based Learning) activities
- Offers students full range of post-secondary opportunities
- Students can earn a certificate(s) or college degree

Pathway Components

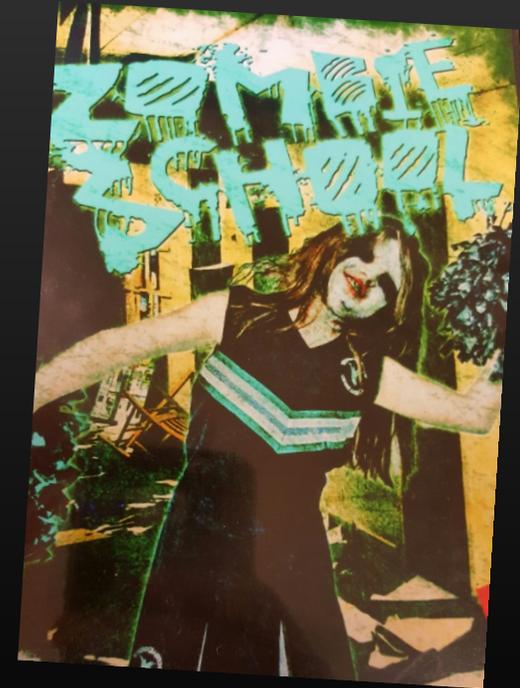
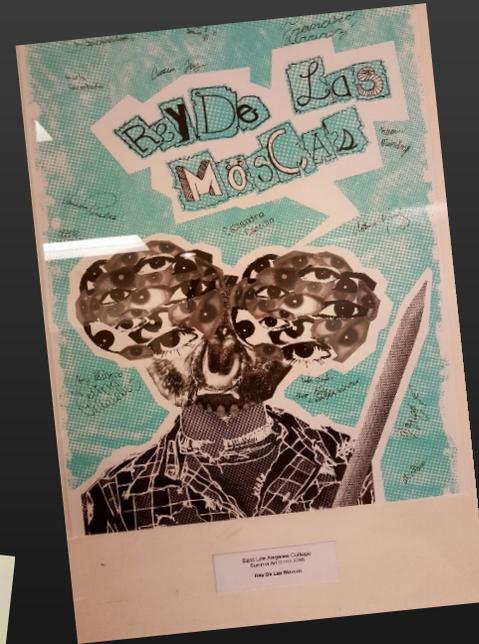
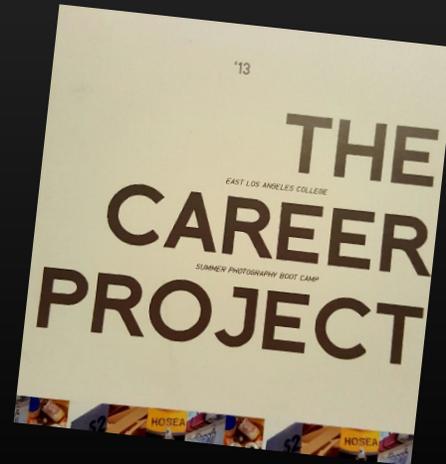
- Curriculum development and instruction
- Work-based learning for students
- Externships for instructors
- Professional development
- Job Shadowing
- Stackable certificates
- Career exploration and planning
- Dual enrollment
- Articulation
- Student support services

Pathway Components

- For instructors/institutions:
 - Curriculum development and instruction
 - Externships
 - Professional development
 - Job Shadowing
 - Articulation
 - Student support services
- For students:
 - Work-based learning for students
 - Job Shadowing
 - Stackable certificates
 - Career exploration and planning
 - Dual enrollment
 - Student support services

Pathway Projects & Activities

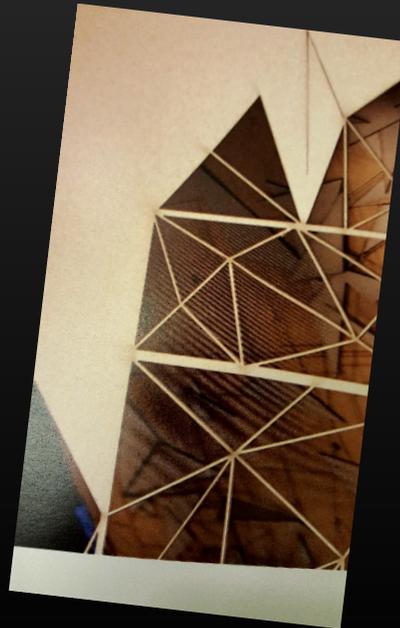
- Art Book “The Career Project”
- Student Film “Zombie School”
- The Comic Book



The Career Project



A compilation of work by Middle and High School students participating in an intensive seven day documentary camp at East Los Angeles College. The artwork reflects images from several departments at ELAC including: Architecture, Emergency Medical Technology & Nursing



STEAM Pathway

- Students experienced the integration of STEM in every part of an Opera production.
- In partnership with L.A. Opera
- Gained awareness, skills and hands-on experience in careers related to a comprehensive theatrical/opera production.



STEAM Pathway Goals

- Awaken the students' interest in the STEM fields
- Increase the number of Latinos pursuing STEM degrees
- Experience how STEM is integrated with Arts through an Opera production





STEM Week



The Event

Students were given small projects that were demonstrated to their classmates. They were able to experience firsthand what being on a college campus is like. The atmosphere, culture, and what the pathway has to offer.

- The focus was to demonstrate Project Based Learning.
- 1,000 Middle School students from:
 - Montebello Intermediate
 - Eastmont Intermediate
 - SUVA Intermediate.
- ELAC Disciplines involved:
 - Law
 - Engineering
 - Auto Tech
 - Child Development
 - Architecture
 - Administrative Justice.