Eagle Polytechnic Institute

Information about EPI
What is E.P.I.?

• Three year interdisciplinary institute with special graduation recognition
• Integrated Academic Program
  – English, Math, Science, Social Science
• Hands-on activities and projects
• Technical skill development
• California Partnership Academy

EPI Class of 2013
What is E.P.I.?

• El Camino HS School-to-Career Academy.
• Meets college prep a – g requirements.
• ARC and CSUS credit for advanced classes.
• Job shadow and/or internship options.
• 3 year program.
## Academy Courses

<table>
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<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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| - EPI English 2  
- Geometry or Algebra 2  
- EPI World History  
- Tech 1 or TV/Radio  |
| - EPI English 3  
- Algebra 2  
- EPI US History  
- Tech 2, CADD, Advanced TV/Radio  |
| - EPI English 4  
- EPI Physics  
- Tech 3/Advanced TV/Radio  |

*Note: Students may enroll in Honors courses while in EPI*
E.P.I. Career Pathways & Technology Sequence

EPI

Drafting Technology  Media/Broadcasting  Engineering
Drafting Technology

Careers and EPI Courses

- Architectural Drafting
- Civil/Structural Drafting
- Electrical/Electronic Drafting
- Mechanical Drafting
- Patent Drafting
- Technical Illustration
Media/Broadcasting

Careers and EPI Courses

- Audio Technician
- Television Production
- Radio Technician
- Sound Production
- Radio Production

[Diagram showing Media Courses branching into Beg. Radio/TV, Adv. Radio/TV, and Directed Study]
Engineering

Careers and EPI Courses

- Architectural
- Civil/Structural
- Electrical/Electronic
- Mechanical
- Technical Illustration
Tech I Projects

- Catapults
- Sundials
- Bridges
- Wind Turbines
- Electrical Circuitry
- Solar Cars
- Sheet Metal Fabrication
- Intro to Engineering design methods/process
Tech III Projects

• Air Cannons
• Human Powered Vehicles (HPV’s)
• Heavy Welding focus for “Intro to Welding” course credit in the Los Rios district.
Career Exposure

- Career-Based Senior Project
- R.O.P. opportunities
- Junior Year Job Shadowing
- Industry Speakers
Field Trips

• 10th Grade: Ropes Course, Sacramento Dome Tour, San Francisco Maritime, ARC Art Tech Festival
• 11th Grade: Ropes Course, Two Job Shadows (Intel/Aerojet/Caltrans/Galt Construction Site), College Visitations (UC Davis, UOP, CSU Chico, St. Mary’s)
• 12th Grade: College Visitations, Career Mentoring, San Francisco Exploratorium
Ropes Course Field Trip
September

- Team building
- Problem solving
- Building trust
- Fun
EPI Sophomore Field Trips

• Ropes Course (Grass Valley)
• Dome Field Trip (Downtown Sacramento),
• Maritime Field Trip (San Francisco)
• ARC Solar Car Race
EPI Junior Field Trips

• Ropes Course (Grass Valley)
• Aerospace Museum and Auto Museum
• Folsom Forge and Intel
EPI Senior Field Trips

• San Francisco Exploratorium
• Six Flags Physics Day
• K-1 Race Karts
EPI Cross-Curricular Projects

Example 10th Grade:

- Historical Perspective: English: *Julius Caesar*, Geometry and Tech 1: Sundials, Maritime Project; Tech 1: Catapults
EPI Cross-Curricular Projects

Example 11th Grade:

- Aerospace Theme: English: The Martian, Tech 2: Gliders/Kites, Job Shadow Field Trip: Aerospace Museum
EPI College Visitations

- ARC, Sierra College, CSUS, UC Davis, UC Berkeley, UOP, SF State, Chico State
EPI Tech Night

February 6 – 8pm

- Seniors: Physics Marble Factory Project
- Juniors & Sophomores: Tech Bridge Design Contest
EPI Club Tech Fundraisers
EPI Community Service

- River Clean-Ups September and April
- St. Mark’s Pre-School Carnival March
- EC Recycle Club ongoing all year
EPI Field Day Competition

- All Grade Levels, including New Incoming EPI students (May 9, 2014)
- Competition Events may include Duct Tape Bridge, Egg Launch, Marble Roller Coaster
- Team Building FUN!
How to Apply to EPI for 2014-2015

• Pick up the Application Packet.
• Complete the first page. Print your 1st semester transcript from “Q” and attach it. Turn both of these in to Counseling or any EPI teacher.
• There are 3 Teacher Recommendation forms.

Give one to:

* Your Current Math Teacher
* Your Current English Teacher
* A third teacher of your choice

Your teachers will turn these in for you.
We hope you apply for EPI!
From the EPI Staff

• **English:** Ari Santillanes, Ed Santillanes,
• **Tech:** Ryan Tompkins, Scott Battenfield
• **Social Science:** Tim Peppel, Bob Waldo
• **Science:** Krystle Sy
• **Math:** Beth Riggs
• **Coordinator:** Steve Markley