EL DORADO UNION HIGH SCHOOL DISTRICT EDUCATIONAL SERVICES Course of Study Information Page

COURSE TITLE Honors Principles of Engineering (POE) PLTW			
DISTRICT COURSE NUMBER #0536		4-DIGIT STATE CO	URSE CODE (COMPLETED BY SILT) 5573
Rationale:	The Project Lead The Way (PLTW) pathway to Engineering program is a sequence of courses which follows a proven hands-on, real-world, problem-solving approach to learning. The program is designed to prepare students to pursue a post-secondary education and careers in STEM-related fields.		
Course Description that will be in the Course Directory:	The major focus of Honors POE is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.		
How Does this Course align with or meet State and District content standards?			
NCLB Core Subjects:	Economics History English Mathema	d Government tics / Language Arts	⊠ Not Core Subject
CDE CALPADS Course Descriptors: (See Page 2 for Definitions)	COURSE INDICATORS Tech Prep (32) (Higher Ed) CTE Intr	RSE CONTENT CODE oductory (01) acentrator (02) appleter (03) ect	INSTRUCTIONAL LEVEL CODE Remedial (35) Honors UC-Certified (39) Honors Non UC-Certified (34) College (40) N/A
Length of Course:	⊠ Year ☐ Semester		
Grade Level(s):	⊠ 9 ⊠ 10 ⊠ 11 ⊠ 12		
Credit:	 Number of credits: 10 Meets graduation requirements (subject Request for UC "a−g" requirements CSU/UC requirement "G")	☐ College Prep
Prerequisites:	None		
Department(s):	Non-Departmental		
District Sites:	UMHS		
Board of Trustees COS Adoption Date:	June 9, 2015		
Textbooks / Instructional Materials:	NA		

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Funding Source:	NA
Board of Trustees Textbook Adoption Date:	NA

Definitions

CALPADS	California Longitudinal Pupil Achievement Data System	
CTE Technical Prep	A course within a CTE technical career pathway or program that has been articulated with a postsecondary education or through an apprenticeship program of at least 2 years following secondary instruction.	
Instructional Level Code	Represents a nonstandard instructional level at which the content of a specific course is either above or below a 'standard' course instructional level. These levels may be identified by the actual level of instruction or identified by equating the course content and level of instruction with a state or nationally recognized advanced course of study, such as IB or AP.	
Instructional Level Honors, UC Certified	Includes all AP courses.	
Instructional Level Honors, non UC Certified	Requires Board approval.	
Instructional Level College	Includes ACE courses. Equivalent to college course and content, but not an AP course. Not related to section, but to course.	

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