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

COURSE TITLE AP PHYSICS 2			
DISTRICT COURSE NUMBER 0327AP		4-DIGIT STATE COURSE CODE (COMPLETED BY SILT) 2614	
Rationale:	AP Physics 2 gives students planning to major in STEM at university their first exposure to concepts that are beyond the high school curriculum. Unlike AP Physics 1 (which covers the high school standards with more depth and rigor) AP Physics 2 introduces phenomena based on the fundamental forces and theories of modern physics. These include the relationship between electricity, magnetism, and light; nuclear forces and quantum theory; the laws of thermodynamics; and fluid mechanics.		
Course Description that will be in the Course Directory:	This is a second year physics course, designed to deepen students' understanding of more advanced physical phenomena. The curriculum includes electricity and magnetism, optics, quantum theory, nuclear physics, thermodynamics, and fluid statics and dynamics. There are rigorous mathematical and laboratory components, preparing students for the Advanced Placement Physics 2 Exam.		
How Does this Course align with or meet State and District content standards?	This course addresses NGSS High School Physical Science (HS-PS) standards: 2.4, 2.5, 3.1, 3.3 - 3.5, 4.1 - 4.5		
NCLB Core Subjects:	☐ Economics ☐ History ☐ English ☐ Mathemati	Government cs Language Arts	☐ Not Core Subject
CDE CALPADS Course Descriptors: (See Page 2 for Definitions)	COURSE INDICATORS CTE Introd		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 science) Request for UC "a−g" requirements CSU/UC requirement d - laboratory science 		
Prerequisites:	Completion of Physics or AP Physics 1 with a B or better, concurrent enrollment in		
Department(s):	Math Analysis or higher Science		
District Sites:	ORHS / PHS		
Board of Trustees COS Adoption Date:	6/14/2016		

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Textbooks / Instructional Materials:	College Physics: A Strategic Approach, Knight, Jones & Field, Pearson Publishing, 2015 - 3rd Edition, 978-0-133-53967-7	
Funding Source:	General Fund	
Board of Trustees Textbook Adoption Date:	6/28/2016	

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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