

FORM 400

CURRICULUM PROPOSAL

Fern Ridge School District 28J

1. Name of Course or Activity Robotics 1 semester course
School Elmira High School Department Fine Arts/Elective
CTE
2. Check One: ☐ Change in old course ☒ New Course
3. Implementation Dates: Begin 09/2025 End ongoing
(if short term)
4. Target Group: Interested Students
5. Course Description: Attach the completed "Planned Course Statement".
6. Rationale: (What problem or need will this proposal resolve? How will this goals be accomplished? Use additional pages if necessary.)

ETS worked with CTE leaders from Lane ESD to begin the process of creating a Health occupation pathway for CTE. Adding a Robotics class is one step closer to creating a complete CTE plan. The class could also be a stand alone elective for students who want to learn more about it.

7. Budget Estimate:

	Amount	Explanation
Personnel	_____	current
Supplies	_____	already purchased
Equipment	_____	
Travel	_____	
Other	_____	
Total:	_____	

Initiator(s) Cydney Vandercar Position Principal
School Elmira High School Date 07/14/2025

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SIGNATURES REQUIRED FOR A PROPOSED CHANGE IN THE CURRICULUM

Fern Ridge School District

PROPOSAL IDENTIFICATION: Robotics (1 semester course)

INITIATOR: Cyndee Vanderca

1. Submitted to: Emmy Ann Date: 7.14.25
(Curriculum Associate)

Signature: [Signature] Date: _____

2. Submitted to: Cyndee Vanderca Date: 07/14/2025
(Supervising Administrator)

Signature: Cyndee Vanderca Date: _____

3. Submitted to: _____ Date: _____
(Curriculum Council Chairperson)

Recommendations of the Curriculum Council: Start introducing the classes to see if there is interested.

Signature: Cyndee Vanderca Date: 07/14/2025

4. Submitted to: Gary Carpenter
(Superintendent)

Final action taken: ☒ Implementation as submitted is authorized (Assuming board approval)

☐ Implementation with specified modification is authorized

☐ Implementation is not authorized

Explanation: _____

Signature: [Signature] Date: 7.15.25

Robotics

Grades 9-12

Prerequisite: None

Type of credit: Fine Arts or Elective

Robotics students will learn the basic concepts of design and build a variety of computer-controlled robotic devices, including a fully autonomous mobile robot. Topics will include principles of computer science, mechanical design, sensor fundamentals, feedback control and electromechanical device control. Students may have the opportunity for club and extracurricular robotics activities concurrent with the class.

