

## **District Career & Technical Education (CTE) Pathway Proposal**

The Career & Technical Education (CTE) Pathway proposal is to be submitted to the CTE Coordinator for prior approval and should include the following information:

**Name of State approved (CCCS) CTE Program:** Transportation

**CCCS Student Rights Assurance:** Approved programs must assure and have strategies in place to ensure that no student is unlawfully: • Discriminated against the basis of age, race, religion, color, national origin, sex/gender, pregnancy status, gender identity, sexual orientation, or disability in its activities or programs as required by Title VI, Title IX, and Section 504, Age Discrimination Act, and Title II of the Americans with Disabilities Act. • Denied an equal opportunity to benefit from occupational education solely on the basis of race, color, religion, national origin, sex, age, or disability. Additionally, CTE staff must work with students with qualified disabilities (including the learning disabled and those with physical, sensory, and temporary disabilities) to provide appropriate assistance to students so that they may participate in approved CTE programs as fully as possible. Each program is responsible for providing evidence of each of these in the case of an audit or upon CCCS request.

### **I. GOALS**

A. Provide a brief overview of the CTE Pathway. The transportation pathway prepares students to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The courses with this pathway build on concepts learned in Auto Basic, MLR, and/ or Compact Engines.

B. How does this CTE Pathway fit into the overall educational program? CTE programs significantly increase not only the high school graduation rate, but also results in a higher percentage of students going to college and persisting through graduation. Students taking both academic and technical courses have lower dropout rates and better achievement gains than other students.

C. What benefits would students receive from this CTE pathway? Students receive instruction on basic automobile maintenance requirements, specific tool uses, and safety procedures. Inspection and repair of automotive systems is stressed in the areas of brakes, electrical, suspension, fuel, emissions and tune up procedures. Students received industry certifications through ASE that offer additional readiness skills for the workforce.

## II. CAREER & TECHNICAL EDUCATION (CTE) PATHWAY COURSES

Complete the table below indicating the course sequence students would take within the CTE program. Other courses may be added or changed within the program, based upon the need of students or program modifications. **New course names will be indicated in red text.**

<i>Pathway Name:</i>	Transportation
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<i>Sub-Pathway Name (if applicable):</i>	Automotive Service
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<i>Level:</i>	<i>State Approved Course Name:</i>	<i>State Approved Description:</i>	<i>CIP Code</i>
Level 1	<b>Introduction to Automotive Services (A &amp; B)</b>	This course is designed to give the first-year student a basic understanding and introduction to the occupations of Automotive Service and Repair. This will include studies in the following areas: orientation to automotive related industries; career opportunities in the field; orientation to an automotive shop environment; shop and environmental safety; identifying and using tools related to the industry; hazardous materials and waste management; communications and public relations as it relates to the industry; use of manuals and computers in all areas of the industry; use of precision measuring tools and automotive math; theory, presentation and evaluation of performance tasks in the areas of automobile repair.	470600
Level 2	<b>Maintenance and Light Repair I (A &amp; B)</b>	Automotive Maintenance and Light Repair (MLR) explores automotive industry standards and terminology, career opportunities and classifications, shop operations and safety, tool identification and usage, diagnostic equipment identification and usage, automotive systems, tires and wheels, hydraulic braking systems, cooling systems, lubrication systems, and preventative maintenance. Also included is basic operation of automotive braking systems--operation, diagnosis and basic repair of disc, drum, and basic hydraulic braking systems. The basics of electrical systems, electronic systems, batteries, starting systems, charging systems, lighting systems, electrical instruments and accessories, and ignition systems will also be studied. This course focuses on the diagnosis and service of suspensions	470600

		and steering systems and their components. Students who successfully complete all MLR courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.	
Level 2	Maintenance and Light Repair II (A & B)	MLR II is the second course in the Automotive Maintenance and Light Repair program of study and covers important skills and knowledge on becoming a professional service technician. The Maintenance and Light Repair II (MLR II) course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Students who successfully complete all MLR courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.	470600
Level 3	Maintenance and Light Repair III (A & B)	The Maintenance and Light Repair III (MLR III) course prepares students for entry into Maintenance and Light Repair IV. Students study and service suspension and steering systems and brake systems. Students who successfully complete all MLR courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.	470600
Level 4	Maintenance and Light Repair IV (A & B)	The Maintenance and Light Repair IV (MLR IV) course prepares students for entry into the automotive workforce or into postsecondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Students who successfully complete all MLR courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.	470600
Level 4	Work-based Learning (WBL)	This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build	470600


		<p>on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course.</p>	
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Signature Page


Does the Career and Technical Education (CTE) Coordinator approve adoption of this program?  
*\*\* Your signature below indicates your approval of the program.*

Signature   
Joy Griffin (Jan 31, 2021 08:00 MST)


Does the Director of CIPG approve adoption of this program?  
*\*\* Your signature below indicates your approval of the program.*

Signature   
Erica Mason (Jan 31, 2021 08:13 MST)

Does the Chief Assessment Officer approve adoption of this program?  
*\*\* Your signature below indicates your approval of the program.*

Signature   
Matt Reynolds (Jan 31, 2021 13:20 MST)

Does the Assistant Superintendent approve adoption of this program?  
*\*\* Your signature below indicates your approval of the program.*

Signature 

Does the Board of Education approve adoption of this program?	Yes	No
Date of BOE Meeting _____		
Signature _____		

## Superintendent File: IGA-E-2

**Office use:** The following information is required to build individual courses into Infinite Campus.

Credit Type: ( FNA, PRA, MAT, etc)	
Department Code:	
Course Number:	
Course entered in NCAA database if applicable.	
Update <a href="#">Graduation Competencies</a> course document if applicable for Math and English courses.	
VIP Code:	
CIP Code:	
Add to HEAR list, if applicable.	
Course Mapping SCED code:	
Date entered into Infinite Campus	
Credit amount:	