University of Central Missouri - Project Lead The Way® (PLTW®)
CTE 5000 Graduate Paper (100 Points Possible)

To earn Project Lead The Way® (PLTW®) graduate credit at the University of Central Missouri (UCM), each student must submit all official enrollment paperwork required as listed on the PLTW® UCM Graduate Credit flyer. In addition, each graduate student must complete a reflection paper, worthy of graduate credit, with an earned total score of 80% or higher in order to pass each course. If the final score is below 80% and the revised paper is submitted prior to the enrollment materials submission deadline, the student may rework and resubmit the paper, using the provided instructor formative feedback. See the course syllabus for more information on the grading scale.

This is a graduate-level course and in which case results in more rigorous coursework. As such, the following criteria must be met:

1. <u>Students enrolled in more than one course are expected to complete one paper for each course.</u> Students are required to incorporate the APA Style Guide (6th edition) for formatting their papers.
2. Using a sample paper such as UCM's Thesis Manual is preferred for basic formatting, but no Abstract, Table of Contents, Acknowledgements, Table of Figures, nor Copyright Page is required.
3. The page length is whatever length is necessary to ensure all content areas are adequately addressed.
4. Using the rubric below, this graduate-level paper should include (at a minimum) the following content items:
   ● A summary of the course (training, time frame, content learned, etc.)
   ● A personal reflection on the course (what you're doing differently than before, how you would change the training, next steps, etc.)
   ● How you will/have implement(ed) the curriculum and modified/adapted it to YOUR classrooms (differentiation for student needs, classroom/lab management, materials, supplies, etc.). While the PLTW curriculum is "locked," HOW it is taught can be modified to classroom needs (indicate what special needs you or your school may have regarding the curriculum).

Writing Mechanics Assessment (28 Pts Possible)

Components	Met (3)	Progressing (2)	Unmet (rework recommended) (1)	Unacceptable (rework required) (0)	Weight	Total
Logic & Organiz-ation	● Clearly developed ideas ● Organized ideas logically with paragraphs and headings ● Connected ideas with effective transitions ● Clear and specific introduction, body, and conclusion	● 99-75% of ideas were clearly developed ● 99-75% ideas organized logically and/or with paragraphs but without headings ● 99-75% of paper had effective transitions ● Included 2 of 3: clear and specific	● 74-50% of ideas were clearly developed ● 74-50% ideas were logical and/or with paragraphs or headings ● 74-50% of paper had effective transitions ● Included 1 of 3: clear and specific introduction, body, and conclusion	● < 50% of ideas were clearly developed ● < 50% ideas were logical and/or with paragraphs or headings ● < 50% of paper had effective transitions ● Did not Include a clear and specific introduction, body, nor conclusion	**Score x4**	**/12**

		introduction, body, and conclusion				
Language, Spelling and Grammar	• 0-3 spelling and grammar errors • Fluent, concise, standard English sentences • Full balance of sentence structures	• 4-6 spelling and grammar errors • 99-75% writing follows normal conventions • 99-75% sentences could be more concise but errors are not distracting	• 7-9 errors in spelling and grammar and/or errors distract the reader • Word forms and sentence structures convey basic meaning	• 10 or more errors in spelling and grammar • Word choice creates unclear sentence structure	**Score x2**	**/6**
APA Style (paper content)	• APA style was followed with 3 errors or less	• APA style was attempted but 1-2 critical APA components were excluded and/or paper contained 4-6 APA errors	• APA style has 3+ critical components excluded and/or 7-9 errors	• APA style was not followed or included 10+ errors	**Score x2**	**/6**
Title Page & Headers	Paper Includes the following: • Student name • UCM and PLTW® course names • Year PLTW® and UCM course completed • Paper Title • Page numbers in the header • Using UCM Thesis Manual Title Page as a Template is recommended				**Binary: 4 points or 0 points earned**	**/4**
				Final Mechanical Score		**/28**

CONTENT ASSESSMENT (72 Pts Possible)

Components	Met (3)	Progressing (2)	Unmet (rework recommended) (1)	Unacceptable (rework required) (0)	Weight	Total
Course Summary	• The summary presents a thorough overview of the course • Tells the reader what is coming in the paper, providing specific examples of the training experienced	• The summary presents a brief overview of the course • Tells the reader what is coming in the paper, but does not provide specific examples of the training experienced (one of the two is provided)	• A summary is provided but does not present a brief introduction to the topic • Includes minimal examples of the training experienced (if at all)	• No summary provided or the attempt does not present an introduction to the topic	**Score x6**	**/18**
Personal Reflection	• Explains the participant's own thinking and learning processes • Provides clearly detailed implications for future learning • Includes in-depth analysis of the learning experience	• Includes three of the four criteria listed in Column A (3pts), and/or misses the target on two criteria in Column A.	• Includes two of the four criteria listed in Column A (3pts), and/or misses the target on three or more criteria in Column A.	• Includes one or less of the four criteria listed in Column A (3pts), and/or misses the target on all four criteria in Column A.	**Score x9**	**/27**

	● Illustrates the value of the learning to self and students					
Implement-ation Plan	● Implementation is relevant, connected to other academic subject areas. ● Includes three or more perspectives on content implementation ● Addresses ranges of student ability and background knowledge. ● Addresses student abilities and ranges through instructional differentiation (three examples provided)	● Includes three of the four criteria listed in Column A (3pts), and/or misses the target on two criteria in Column A.	● Includes two of the four criteria listed in Column A (3pts), and/or misses the target on three criteria in Column A.	● includes one or less of the four criteria listed in Column A (3pts), and/or misses the target on all four criteria in Column A.	Score x9	/27
Final Content Points Earned						/72
Final Mechanical Points Earned (from Section 1 of rubric)						/28
Final Total Points Earned						/100

Instructor's Notes / Formative Feedback: