

Scope and Sequence: CTE Curriculum and Embedded Mathematics

1. CTE Content Taught	2. Embedded Mathematics	CTE Content Taught	Embedded Mathematics
August-September: Shop safety, tools, equip. Electrical circuits	Order of operations, diagrams, symbols Ohm's law	February:	
	3. CC & Content Standards:		CC & Content Standards:
	CC.9-12.SSE.1 and 1a (expressions that represent a quantity)		
October: Reading a ruler Using measurement charts	Unit analysis, fractions (+, -, ÷, ×) Conversions and reading charts	March:	
	CC & Content Standards:		CC & Content Standards:
	CC.9-12.SSE.3 (expressions in equivalent forms to solve problems) CC.5.NF.7 (fractions)		
November: Calculating board feet	Basic operations/computations, estimation, variables, cost	April:	
	CC & Content Standards:		CC & Content Standards:
	CC.9-12.GMD.2 (explain volume formulas–geometry) CC.9-12.G.MG.2 (area, volume)		
December: Calculating building material cost Concrete	Basic operations, sales tax, cost, budgeting Sequence, percentages, time, volume, proportions	May:	
	CC & Content Standards:		CC & Content Standards:
	CC.9-12.SMD.7 (use probability for product testing)		
January:		June:	
	CC & Content Standards:		CC & Content Standards: