

# Embedded Technical Math at Grand River Technical School

Year One	Description	Alignment
Basic Operations	Computations and comparisons with whole numbers, fractions, and decimals for technical jobs and everyday living.	<u>Show Me Standards</u> M1, M5, G1-10, G3-1, G4-1  <u>GLE</u> NO 1A, 1B, 2D, 3C, 3D
Ratio/Proportions/Percents	Direct and inverse relationships, material and cost proportion applications, applications of percents	<u>Show Me Standards</u> M1, M5, G1-6, G3-1  <u>GLE</u> NO 1B, 2D, 3D, 3E
Measurement	Read measurement tools, convert and compare units and measurements	<u>Show Me Standards</u> M1, M2, G1-5, G1-6, G1-10  <u>GLE</u> NO 3D M 1A, 1B, 2B, 2C, 2E, 3D
Geometry	Review basic shapes and their properties, line and angle properties for print reading or other technical and life skills.	<u>Show Me Standards</u> M1, M2, G1-10, G3-5  <u>GLE</u> NO 3D GSR 4A, 4B

Year Two	Description	Alignment
Algebra	Use formulas, combine like terms, solve equations	<u>Show Me Standards</u> M1, M4, G1-6, G1-10  <u>GLE</u> AR 1C, 2A, 2B, 2C, 4A
Statistics	Interpret and make graphs and charts, apply statistics to quality control, and use basic statistics such as mean, median, and mode	<u>Show Me Standards</u> M1, M3, G1-8, G1-10, G3-4  <u>GLE</u> DP 1C, 2B, 2C, 3B
Area/Volume/Perimeter	Find the area, volume, and perimeter of shapes for material estimates	<u>Show Me Standards</u> M1, M2, G1-5, G1-10, G2-1, G3-8  <u>GLE</u> NO 3D GSR 4A, 4B M 1B, 2C, 2E
Additional technical skills	Trig for building trades and welding, engineering notation for computer networking, drug cales for health occupations, nutrition charts for child care, etc.	<u>Show Me Standards</u> M1, M2, M4 G1-10  <u>GLE</u> NO 1B, 1C, 2D, 3D M 1B, 4A, 4B, GSR 1A