



TRAC Modules alignment to Michigan Educational Standards- Math

	Code	Environmental													
		Settling Out	Filtering the Silt	The Connector Highway Project											
Quantitative Literacy and Logic (L)	L														
Reasoning About Numbers, Systems, and Quantitative Situations	L1														
Number Systems and Number Sense	L1.1														
Representations and Relationships	L1.2														
Counting and Probabilistic Reasoning	L1.3														
Calculation, Algorithms, and Estimation	L2														
Calculation Using Real and Complex Numbers	L2.1														
Sequences and Iteration	L2.2														
Measurement and Precision	L3														
Measurement Units, Calculations, and Scales	L3.1														
Understanding Error	L3.2														
Mathematical Reasoning, Logic and Proof	L4														
Mathematical Reasoning	L4.1														
Language and Laws of Logic	L4.2														
Proof	L4.3														

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Algebra and Functions	A										
Expressions, Equations, and Inequalities	A1										
Construction, Interpretation, and Manipulation of Expressions	A1.1										
Solutions of Equations and Inequalities	A1.2										
Functions	A2										
Definitions, Representations, and Attributes of Function	A2.1										
Operations and Transformations	A2.2										
Families of Functions	A2.3										
Lines and Linear Functions	A2.4										
Exponential and Logarithmic Functions	A2.5										
Quadratic Functions	A2.6										
Power Functions	A2.7										
Polynomial Functions	A2.8										
Rational Functions	A2.9										
Trigonometric Functions	A2.10										
Mathematical Modeling	A3										
Models of the Real-World Situations Using Families of Functions	A3.1										

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Geometry and Trigonometry	G										
Figures and their Properties	G1										
Lines and Angles; Basic Euclidean and Coordinate Geometry	G1.1										
Triangles and Their Properties	G1.2										
Triangles and Trigonometry	G1.3										
Quadrilaterals and Their Properties	G1.4										
Other Polygons and Their Properties	G1.5										
Circles and Their Properties	G1.6										
Conic Sections and Their Properties	G1.7										
Three-Dimensional Figures	G1.8										
Relations Between Figures	G2										
Relations Between Area and Volume Formulas	G2.1										
Relations Between Two-Dimensional and Three-Dimensional Representations	G2.2										
Congruence and Similarity	G2.3										
Coordinate Representations	G2.4										
Transformations of Figures in the Plane	G3										
Distance-preserving Transformations: Isometries	G3.1										
Shape-preserving Transformation: Dilations and Isometries	G3.2										

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Statistics and Probability	S											
Univariate Data – Examining Distributions	S1											
Producing and Interpreting Plots	S1.1											
Measures of Center and Variations	S1.2											
The Normal Distribution	S1.3											
Bivariate Data – Examining Relationships	S2											
Scatter Plots and Correlation	S2.1											
Linear Regression	S2.2											
Samples, Surveys, and Experiments	S3											
Data Collection and Analysis	S3.1											
Statistical Process Control *	S3.2*											
Probability Models and Probability Calculations	S4											
Probability	S4.1											
Application and Representations	S4.2											