TRAC Modules alignment to Michigan Educational Standards- Math

	Code	Maglev Module													
		Prelab: How accurate is your measurement?	Newton's 1st Law Activity 1: Running the Gauntlet	Newton's 1st Law Activity 2: Graphing the Gauntlet	Newton's 2nd Law Activity 3: Caution 6% grade ahead	Newton's 2nd Law Activity 4: Graphing the Grade	Activity 5: Float like a butterfly, Sting like a bee								
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											