Course/Subject: **Math** Grade Level/Building: **6/Middle School** **7/00**

UNIT	SKILLS	TYPE OF ASSESSMENT USED
1. Problem-Solving, Numbers & Algebra	• 4-step problem-solving plan • Problem-solving using patterns • Problem-solving using guess and check • Estimating using rounding • Order of operations • Algebraic expression • Powers and exponents • Solving equations using mental math • Standardized test practice	• Multiple choice • Free response • Performance task • Lab activity
2. Statistics: Graphing Data	• Bar graphs, line graphs • Circle graphs • Making predictions from line graphs • Stem and leaf plots • Mean, median, mode, range • Misleading statistics • Graphing ordered pairs • Standardized test practice	• Multiple choice • Free response • Performance task • Lab activity
3. Adding and Subtracting Decimals	• Decimals through ten-thousandths • Length in the metric system (CSMP - G1) • Rounding decimals • Estimating sums and differences • Problem-solving – reasonable answers • Adding and subtracting decimals • Standardized test practice	• Multiple choice • Free response • Lab activity • CSMP worksheets
4a. Multiplying and Dividing Decimals	• Multiplying decimals by whole numbers and decimals • Associative, commutative, distributive properties • Problem-solving – solve a simpler problem • Dividing by whole numbers and decimals • Standardized test practice	• Project-based – Math/Technology project • Skills creating and using spreadsheets on the computer

Course/Subject: **Math** Grade Level/Building: **6/Middle School** **7/00**

UNIT	SKILLS	TYPE OF ASSESSMENT USED
4b. Geometry and Measurement	• Perimeter and area - CSMP (rectangles) • Mass and capacity in the metric system (CSMP - G10-12) • Changing metric units	• CSMP Arcade of Problems worksheet
5. Using Number Patterns, Fractions and Ratios	• Prime factorization (prime and composite numbers) • Problem-solving – make a list • Greatest common factor • Simplifying fractions and ratios • Experimental probability • Mixed numbers and improper fractions • Length in the customary system • Least common multiple • Comparing and ordering • Writing decimals and fractions • Standardized test practice	• Multiple choice • Free response • Performance task assessment • Lab activity
6. Adding and Subtracting Fractions	• Rounding fractions and mixed numbers • Estimation with fractions • Problem-solving – eliminating possibilities • Adding and subtracting with common denominators and unlike denominators • Adding and subtracting mixed numbers • Adding and subtracting measures of time	• Multiple choice • Free response • Performance task • Lab activity
7. Multiplying and Dividing Fractions	• Estimate products using compatible numbers and rounding • Multiplying fractions and mixed numbers • Circumference of circles • Dividing fractions and mixed numbers • Changing units within the customary system • Problem-solving – extending patterns • Patterns and functions – sequences • Standardize test practice	• Multiple choice • Free response • Performance task • Lab activity

Course/Subject: **Math** Grade Level/Building: **6/Middle School** **7/00**

UNIT	SKILLS	TYPE OF ASSESSMENT USED
8. Exploring Ration , Proportion and Percent	• Ratios (lab activity) • Ratios and rates • Solving proportions • Scale drawings • Percents • Percents and fractions • Percents and decimals • Estimating with percents • Percent of a number • Standardized test practice	• Multiple choice • Free response • Performance task • Lab activity
9. Geometry: Investigating Patterns	• Angles (kinds and measuring) • Problem-solving – using logical reasoning • Lab activity – kinds of triangles – hypotenuse, base, etc. • Two dimensional figures • Lines of symmetry - reflections (CSMP - G4-69) • Similar and congruent figures • Translations (slides) – turns • Investigation with ratios	• Multiple choice • Free response • Performance task • Lab activity • Arcade of Problems worksheet
10. Geometry: Area and Volume	• Area of irregular shapes • Area of parallelograms • Area of triangles • Area of circles • Circle graphs • Three dimensional figures • Problem-solving – make a model • Volume of rectangular prisms • Standardized test practice	• Multiple choice • Free response • Performance task • Lab activity

Course/Subject: **Math** Grade Level/Building: **6/Middle School** **7/00**

UNIT	SKILLS	TYPE OF ASSESSMENT USED
11. Investigating Integers	• Integers • Comparing and ordering Integers • Problem-solving: work backward • The coordinate system	• Performance task
12. Algebra: Exploring Equations	• Solving one-step equations using models • Solve problems by using an equation • Standardized test practice	• Free response • Performance assessment
13. Using Probability (CSMP Lessons, P1 - P8)	• Theoretical probability • Making predictions using samples • Finding outcomes – tree diagram • Simulations	• Performance assessments • CSMP worksheets • In-class observation
Travel Project	• Problem-solving • Addition, subtraction, multiplication, division • Decision-making/evaluating decisions • Estimation • Percent • Graphing • Integrating technology	• Checklist – style rubric