Citadel High Mathematics Department

MATH AT WORK 11 OUTLINE

Prerequisite: Successful completion of Math at Work 10

Textbook: Math at Work 11, McGraw-Hill Ryerson

Course Outline:

MEASUREMENT - 25%

- solve problems that involve SI and imperial units in surface area measurements and verify the solutions.
- solve problems that involve SI and imperial units in volume and capacity measurements.

GEOMETRY - 25%

- solve problems that involve two and three right triangles.
- solve problems that involve scale.
- model and draw 3-D objects and their views.
- draw and describe exploded views, component parts, and scale diagrams of simple 3-D objects.

NUMBER - 20%

- analyze puzzles and games that involve numerical reasoning, using problem-solving strategies.
- solve problems that involve personal budgets.
- demonstrate an understanding of compound interest.
- demonstrate an understanding of financial institution services used to access and manage finances.
- demonstrate an understanding of credit options, including credit cards and loans.

STATISTICS - 15%

- solve problems that involve creating and interpreting graphs, including bar graphs, histograms, line graphs, and circle graphs.

SLOPE - 25%

- demonstrate an understanding of slope
  - as rise over run
  - as rate of change
- solve problems that require the manipulation and application of formulas related to slope and rate of change.

Assessment:

Final Assessment:	80% Course Outline
	20% Final Exam

NOTE: Individual assessments will be recorded in Powerschool and included in final grade after enough assessments have occurred within a unit.