Applied Mathematical Concepts Pacing Guide

Quarter 1
Login and Boolean Algebra
- -Use logic and Boolean Algebra in real-world situations.
- -Apply Boolean Algebra to real-world network problems.

*ACT skills will be highly emphasized throughout all work completed in Quarter 1.

Quarter 2
Financial Mathematics
- -Use financial mathematics to solve problems.
- -Use financial mathematics to make decisions.
- -Determine appropriate models to solve contextual problems.

Linear Programming
- -Use linear programming techniques to solve real-world problems.
- -Solve real-world optimization problems.

Quarter 3
Problem Solving
- -Apply problem solving techniques to real-world problems.

Investigate Logic
- -Use logic to make arguments and solve problems.
- -Determine the validity of arguments.

Quarter 4
Organize and Interpret Data
- -Analyze data from multiple viewpoints and perspectives.

Counting and Combinatorial Reasoning
- -Apply probability and counting principles to real-world situations.
- -Use combinatorial reasoning to solve real-world problems.

Normal Probability Distribution
- -Work with the normal distribution in real-world situations.

Understand and Use Confidence Intervals
- -Work with confidence intervals in real-world situations.