APPLICATION & PROBLEM SOLVING

Students use the concepts and skills that they acquire to:

Solve problems with the use of visuals and explanations.

Solve and analyze performance tasks for deep/rich contextualized problem solving and application of the concepts to new or unique situations.

Apply towards Problem Based Learning where students explore real-world problems and challenges for possible solutions.

Work individually and collaboratively to explain and justify their thinking.

K-12 BALANCED MATHEMATICS INSTRUCTION

Georgia's K-12 Mathematics Standards focus on the acquisition of math skills through conceptual instructional strategies. This results in an understanding of math principles to apply towards critical thinking and problem solving.

Students use manipulatives, software, and technology to investigate and discover math concepts.

Students understand concepts through models, simulations and relevant real world examples.

Students represent the mathematics through drawing pictures, graphics, tables, numbers, and symbols.

Students are given purposeful skills and practice to strengthen computation.

Students engage in conversations and explanatory writing to justify their thinking.

Students become fluent by applying strategies and procedures efficiently and accurately.

MATHEMATICS FOUNDATIONAL SKILLS

MATHEMATICAL PRACTICES

1. Make sense of problems and persevere in solving them.

2. Reason abstractly and quantitatively.

3. Construct viable arguments and critique the reasoning of others.

4. Model with mathematics.

5. Use appropriate tools strategically.

6. Attend to precision.

7. Look for and make use of structure.

8. Look for and express regularity in repeated reasoning.

COBB COUNTY SCHOOL DISTRICT

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