APPLICATION & PROBLEM SOLVING

Students use the concepts and skills that they acquire to:

Solve problems with the use of models 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.

STANDARDS for MATHEMATICAL PRACTICE

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Justify and explain their reasoning and critique the reasoning of others.
4. Model with mathematics, i.e. graphs, drawings, tables, symbols, etc.
5. Use appropriate math tools strategically, i.e. manipulatives, calculators, rulers, etc.
6. Attend to precision, i.e. clear communication, accuracy, measurement, calculations.
7. Look for and make use of patterns and structure.
8. Look for and express regularity in repeated reasoning through rules, properties and shortcuts.