|  |  |  |
| --- | --- | --- |
| **opportunity for growth** | **performance meets standard of learning (Grade 6)** | **advanced** |
|  | Big Ideas and Content at a glance   * Numbers can be decomposed into parts and wholes * Computational fluency with whole numbers and decimals * Linear relationships can be represented using expressions and graphs and can be used to form generalizations * Volume, area, perimeter, angles: describe, measure, compare * Experimental probability can be used to predict theoretical probability and to compare and interpret * small to large numbers (thousandths to billions) * multiplication and division facts to 100 * order of operations with whole numbers * factors & multiples: GCF, LCM * improper fractions and mixed numbers * ratios (introduction) * whole-number percents and percentage discounts * multiplication and division of decimals * increasing & decreasing patterns (expressions, tables, graphs) * one-step equations (whole-number coefficients & solutions) * perimeter of complex shapes * area: triangles/parallelograms/trapezoids * angle measurement & classification * concept of volume (referents, capacity) * triangles (classify) * combinations of transformations * line graphs (data set) * single-outcome probability: theoretical and experimental * financial literacy - simple budgeting & consumer math |  |
| Learning: Takes Time and Patience, Experiential, Embedded in Story, . . . | | |
|  | Reasoning and Analysis   * Logic and Patterns – observe, predict, generalize * Estimation * Mental math strategies * Model math concepts &/or ‘mathematically model’ |  |
|  | Understanding and Solving   * Strategies (incorporate, develop) * Use mathematical concepts * Problem Solving (unfamiliar, inquiry - connect to place, story, culture, First Peoples) * Visualizing |  |
|  | Communicating and Representing   * Mathematical justifications (written &/or spoken) * Concrete, Pictorial, Symbolic * Contribute to mathematical discussions |  |
|  | Connecting and Reflecting   * Reflect upon mathematical thinking (self, others) * Pose new problems/extensions * Connect to other math, other subjects, and world around us, First Peoples |  |