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| **opportunity for growth** | **performance meets standard of learning (Grade 6)** | **advanced** |
|  | Big Ideas and Content at a glance   * Multicellular organisms rely on internal systems to survive, reproduce & interact with environment * Everyday materials are often mixtures * Newton’s 3 laws of motion describe the relationship between force and motion * The solar system is part of the Milky Way galaxy * Basics structures & functions of body systems (excretory, reproductive, hormonal, nervous) * Heterogeneous mixtures * Mixtures (separation, First Peoples knowledge) * Newton’s three laws of motion * Effects of balanced and unbalanced forces * Force of gravity * Overall scale, structure and age of universe * Position, motion and components of our solar system |  |
| Learning: Takes Time and Patience, Experiential, Embedded in Story, . . . | | |
|  | Questioning and predicting   * Demonstrate a sustained curiosity * Make observations * Identify a question to answer or a problem to solve through scientific inquiry * Make predictions about findings of their inquiry |  |
|  | Planning and conducting   * With support, plan investigations * Decide variable to change & measure in fair test * Choose appropriate data * Observe, measure and record data * Use equipment and materials safely |  |
|  | Processing and analyzing data and information   * Experience and interpret the local environment * Identify First Peoples perspectives & knowledge as sources of information * Represent relationships in data various ways * Identify patterns and connections in data * Compare data (predictions, explanations) * Demonstrate openness to new ideas |  |
|  | Evaluating   * Evaluate if investigations were fair tests * Identify possible sources of error * Suggest improvements to investigation methods * Identify some assumptions in secondary sources * Understanding and appreciation of evidence * Identify social/ethical/environ. implications |  |
|  | Applying and innovating   * Contribute to care for self, others, community * Co-operatively design projects * Transfer and apply learning to new situations * Generate and introduce new or refined ideas |  |
|  | Communicating   * Communicate ideas, explanations and processes * Express & reflect on experiences (personal, shared, others’) |  |