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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
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| 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
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|  | 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
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|  | 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
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|  | 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
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|  | 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
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|  | Communicating* Communicate ideas, explanations and processes
* Express & reflect on experiences (personal, shared, others’)
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