

Mathematics 9**PROFICIENT**

Ms Emmy Noether

<https://curriculum.gov.bc.ca/curriculum/mathematics/9>**BEHAVIOURS FOR SUCCESS:**

CONSISTENTLY Academic Responsibility: Completes assignments
 SOMETIMES Engagement: Collaborates well with others
 CONSISTENTLY Conduct: Positive attitude
 CONSISTENTLY Preparation: Prepared for class
 CONSISTENTLY Attendance: Attends class regularly
 CONSISTENTLY Responsibility: Perseveres until task is completed

ACADEMIC ACHIEVEMENT:**PROFICIENT Reasoning and Analyzing**

Albert demonstrates his ability to model mathematics in situations as shown in his proportional reasoning project (ice rink). Albert demonstrates his ability to estimate reasonably as shown in his financial literacy budgeting project. Albert uses mental math strategies and is able to identify mistakes through his reasoning skills.

PROFICIENT Understanding and Solving

Albert demonstrates patience during problem solving. He identifies a problem and searches for multiple ways to solve the problem. His visualization of solutions has helped him to successfully be able to solve an assortment of mathematical problems.

PROFICIENT Communicating and Representing

Albert is able to explain and justify his mathematical thinking using pictures, diagrams, and mathematical language. Albert is encouraged to find different ways of communicating the same mathematical process to deepen his understanding of concepts.

PROFICIENT Connecting and Reflecting

Albert is able to reflect on his mathematical thinking to adjust a solution to a problem as demonstrated through his budgeting project. Albert is encouraged to connect mathematical concepts to each other by deeply reflecting on meaning of old and new concepts.

EMERGING Exponents

Albert is able to multiply and divide exponents. Albert is encouraged to continue working on power exponent laws, negative exponents and fractional exponents.

PROFICIENT Operations with Rational Numbers

Albert was able to apply addition and subtraction during his paddle making project. He is encouraged to continue developing his understanding of the relationships between addition and multiplication, and subtraction and division..

EMERGING Polynomials

Albert is able to identify the degree and the coefficient of a polynomial. Albert is beginning to factor polynomials and is encouraged to continue practicing various factoring methods.

PROFICIENT Linear relations

Albert is able to solve linear relation problems symbolically, pictorially and graphically. He is able to extrapolate data from a graph and apply this to solve a problem.

EXTENDING Proportional reasoning

Albert has a strong spatial awareness that is demonstrated through his ability to draw and communicate a diagram to scale. Albert was given a diagram of an ice rink with dimensions (not drawn to scale) and was able to determine and sketch dimensions for real world use. Albert would benefit from working on scale diagrams of different shapes (e.g., octagonal) to challenge his spatial awareness.

PROFICIENT Statistics

Albert is able to elicit answers to a question through the selection of a viable sample size, identifying any bias', and project results in an accurate way. This was demonstrated through his inquiry project "How many Grade 9 students at PCSS get at least 8 hours of sleep per night?". Albert could strengthen this inquiry by comparing Grade 9 sleep in all Yukon schools to generate conclusions on sleep for Grade 9 students in Yukon.

PROFICIENT Financial literacy

Albert has demonstrated his ability to create a budget for a proposed event. He was able to adjust the budget to fit within the funds available. Albert used creative and critical thinking to redesign his budget and still be able to produce a desirable event

Science 9**EXTENDING**

Mr. Isaac Newton

<https://curriculum.gov.bc.ca/curriculum/science/9>

BEHAVIOURS FOR SUCCESS: Albert consistently demonstrated responsibility by fulfilling commitments within the classroom. He came to class prepared and ready for learning. Albert regularly demonstrated effective organizational skills. While he always respected the rights and opinions of others, he preferred to work alone. Albert is encouraged to take the risk to interact more actively with peers during group and class activities.

CONSISTENTLY Academic Responsibility: Seeks help, completes assignments, sets goals, self-assesses, accepts feedback, take ownership for their learning

SOMETIMES Engagement: Active in learning, contributes to the classroom, works with others

CONSISTENTLY Conduct: Respectful, focused

CONSISTENTLY Preparation: Prepared for class, ready to learn

CONSISTENTLY Attendance: Attends class regularly

CONSISTENTLY Responsibility: Takes responsibility for own behaviour, fulfills commitments

ACADEMIC ACHIEVMENT: Albert's biology presentation demonstrated a sophisticated understanding of cell theory, and the importance of reproduction. It was clear from Albert's chemistry tests, that he understands the connection between electron arrangement and chemical properties of elements. Albert experienced some challenges with the learning associated with electricity, but persevered until he fully met the success criteria. While sharing his findings about the Earth's spheres, Albert clearly demonstrated that he recognized and used the traditional knowledge of Yukon First Nations as a valuable source of information. Albert is encouraged to further explore his passion for science by joining the after-school Science Club, participating in the Science Fair, and/or joining one of the many community science groups.

EXTENDING Questioning and Predicting: Demonstrates a sustained intellectual curiosity by identifying questions and formulating hypotheses and predictions based on inquiry.

EXTENDING Planning and Conducting: Plans a range of investigations to observe, measure, and record data.

EXTENDING Processing and Analyzing Data and Information: Uses a range of methods to represent patterns in data to identify relationships and draw conclusions. Values the importance of local Yukon First Nations Ways of Knowing and Doing when considering different sources of information.

EXTENDING Evaluating: Evaluates, reflects (with respect to assumptions and bias) and identifies sources of error to suggest improvements to investigations methods.

EXTENDING Applying and Innovating: Transfers and applies learning to new situations. Generates and introduces new or refined ideas when problem solving, at a local and global level.

PROFICIENT Communicating: Communicates scientific ideas, models, and suggests courses of action based on evidence using a variety of experiences, perspectives, and worldviews.

EXTENDING Knows and understands the content related to the big idea that cells are derived from cells.

EXTENDING Knows and understands the content related to the big idea that the electron arrangement of atoms impacts their chemical nature.

PROFICIENT Knows and understands the content related to the big idea that electric current is the flow of electric charge.

EXTENDING Knows and understands the content related to the big idea that the biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

Career Education 9 Mr. William Gates https://curriculum.gov.bc.ca/curriculum/career-education/9	EXTENDING
<p>BEHAVIOURS FOR SUCCESS: Albert is a dedicated student with a strong work ethic. He is empathic and cares deeply for others. Albert's attitude towards learning is positive and collaborative in nature. Albert would benefit from challenging himself to dream up another community project and make it come to life. He is encouraged to focus on developing new skills during this project to further his learning.</p> <p>ACADEMIC ACHIEVEMENT:</p> <p>Personal Development and Connections to Community - EXTENDING</p> <p>Albert has demonstrated his ability to creatively, critically, and collaboratively design a plan, implement the design, and reflect on his own personal strengths and challenges during the process. He collaboratively used surveying methods and various research skills to determine the benefits of a greenhouse for a local assisted living residence. The many volunteer and research hours that Albert and his partners spent on the project were critical to its success. Albert has demonstrated deep reflection and has already implemented changes to reflect more realistic goals for maintaining this amazing project. This project resulted in many community connections and partnerships.</p> <p>Life and Career Path - EXTENDING</p> <p>Albert demonstrated his ability to apply decision making strategies through his mentorship of a younger student. He provided rich guidance to help this student develop a positive pathway while in a difficult situation. The stories revealed through this mentorship have encouraged Albert to secure his abilities to help in emergency situations by completing his First Aid and Workplace Safety certificates. His deep reflections and personal "Ah-ha" moments during the mentorship experience demonstrated his ability to recognize diverse perspectives. This mentorship opportunity has directed Albert toward research into a possible career in the fields of health or education.</p>	

Language: Core French 9 Mme Émilie Tremblay https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/curriculum/second-languages/en_second-languages_5-10_c_french_elab.pdf	PROFICIENT
<p>BEHAVIOURS FOR SUCCESS: Albert approaches learning with a positive attitude, collaboration and a strong work ethic. He strives to do his best and perseveres with any challenges while learning something new.</p> <p>ACADEMIC ACHIEVEMENT:</p> <p>Thinking and Communicating - PROFICIENT</p> <p>Albert is able to communicate well in French as demonstrated by his proper letter pronunciation, sentence structures, his ability to interpret body language, and to paraphrase to ensure understanding. He is able to have a conversation with a peer completely using proper tenses. Albert would benefit from engaging in conversations around new topics that would allow him to increase his French vocabulary.</p> <p>Personal and Social Awareness - PROFICIENT</p> <p>Albert has demonstrated knowledge of various cultural traditions within francophone communities across Canada. His project about the Yukon francophone community demonstrated his knowledge of the ethics of cultural appropriation, his personal connections to the community and his ability to communicate information about traditions and practices using the French language.</p>	