Processing Chemical Reactions

New Brunswick	
Grade 7	
Matter	
General Curriculum Outcomes:	GCO 1 Students will develop the skills required for scientific and technological inquiries, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions (scientific literacy). GCO 2 Students will develop an understanding of the nature of science and technology, of the relationships between science and technology, and of the social and environmental contexts of science and technology (STSE).
Specific Curriculum Outcomes:	SCO 1.1 Students will ask questions about relationships between and among observable variables to plan investigations (scientific inquiry and technological problem-solving) to address those questions. SCO 1.4 Students will work collaboratively on investigations to communicate conclusions supported by data. SCO 2.1 Students will consider factors that support responsible application of scientific and technological knowledge and demonstrate an understanding of sustainable practices.
Core Ideas and Contexts:	• Particle model of matter: States of matter e.g., solids, liquids, gas and plasma

Grade 10	
Chemistry Foundations	
General Curriculum Outcomes:	GCO 1 Students will develop the skills required for scientific and technological inquiries, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions (scientific literacy). GCO 2 Students will develop an understanding of the nature of science and technology, of the relationships between science and technology, and of the social and environmental contexts of science and technology (STSE).
Specific Curriculum Outcomes:	SCO 1.1 Students will ask questions about relationships between and among observable variables to plan investigations (scientific inquiry and technological problem-solving) to address those questions. SCO 1.4 Students will work collaboratively on investigations to communicate conclusions supported by data. SCO 2.1 Students will consider factors that support responsible application of scientific and technological knowledge and demonstrate an understanding of sustainable practices.
Core Ideas and Contexts:	• Classification of Matter - Pure substances and mixtures • Chemical Changes in a matter - Signs of change - Representing molecules, compounds and chemical changes • Quantitative aspects of chemical change (simple balancing) - Chemical symbols; writing chemical formulae; balancing chemical equations