

2014 Summary of Updates in Science 7–12 Programs of Study

Program of Study	Change	Page and/or Location
Science 7–12	“Program of Studies” was added to document titles, including dates of implementation and revisions. A hyperlink to 2014 Summary of Updates in Science 7–12 Programs of Study (this document) was added to the title page of each program of study.	Page 1 of all documents
	Implementation and revision dates were removed from footers.	All pages in the footers
Science 9	“©Alberta Learning” was changed to “©Alberta Education.”	All pages in the footers
	A Links to Mathematics description was added in the Program Organization and Format section.	Page 6
	In the unit overviews, a description of unit connections to previous and future science concepts has been reorganized as a bulleted list.	Under the unit overview on pages 51, 56, 62, 66, 71
	Links to Mathematics is now listed after Attitude Outcomes in each unit and is organized by concept and identifies the mathematics course, strand and specific outcome.	After Attitude Outcomes in each unit on pages 55, 61, 65, 70, 75
	In Unit D, outcome 2, “pencil leads” was changed to “pencil graphite.”	Page 67
Science 10	“Science and Mathematics Prerequisites” was removed and replaced with “Links to Science.”	Page 6
	A Links to Mathematics description was added in the Program Organization and Format section.	Page 7
	“Science Prerequisites” was changed to “Links to Science” with new heading “Science Course and Unit.”	After the unit overview on pages 11, 17, 23, 29
	“Mathematics Prerequisites” was removed and replaced with “Links to Mathematics,” which is now listed after Attitude Outcomes in each unit.	After Attitude Outcomes in each unit on pages 16, 22, 28, 35
	Links to Mathematics is now organized by concept and identifies the mathematics course, strand and specific outcome.	
	Under Skill Outcomes, Communication and Teamwork, “represent large and small numbers using appropriate scientific notation” was added.	Under Skills Outcomes, Communication and Teamwork on pages 15, 20, 33
	The example in Skills Outcomes, Communication and Teamwork now reads “e.g., use appropriate <i>Système international</i> (SI) units and IUPAC nomenclature.”	Under Skills Outcomes, Communication and Teamwork on pages 15, 20, 33
Science 14–24	Links to Mathematics and Links to Career and Technology Studies Program descriptions were added to the Program Organization and Format section.	Page 6
	“International System of Units (SI) notation” is now referred to as “Système international (SI) units.”	Page 17
	Links to Mathematics and Links to Career and Technology Studies Program (CTS) are now listed after Attitude Outcomes in each unit. Links to Mathematics is organized by concept and identifies the mathematics course, strand and specific outcome. Links to Career and Technology Studies is organized by concept and includes hyperlinks to CTS occupational areas.	After Attitude Outcomes in each unit on pages 15, 20, 25, 30, 35, 40–41, 46–47, 52
	Under Attitude Outcomes, Mutual Respect, “tar sands” is now replaced with “oil sands.”	Under Attitude Outcomes, Mutual Respect on page 39

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Science 20–30	A revised Links to Mathematics description has been added to the Program Organization section.	Page 7
	Links to Mathematics is now listed at the end of each unit, is organized by concept, and identifies the mathematics course, strand and specific outcome.	At the end of each unit on pages 24, 30, 40, 50, 62, 70, 79, 85
	In outcome 20-A3.1sts, “tar sands” has been replaced with “oil sands.”	Page 22
	In outcome 20-B1.3k, “equation” has been replaced with “formula.”	Page 26
	Links to Mathematics was added in Science 20: Unit D.	Page 50
	Under Overview, “Unit B” has been replaced with “Unit C” for time allotment.	Page 71
	“International System of Units (SI) notation” is now referred to as “Système international (SI) units.”	Pages 19, 57
Biology 20–30	A revised Links to Mathematics description has been added to the Program Organization section.	Page 7
	Links to Mathematics is now listed at the end of each unit, is organized by concept, and identifies the mathematics course, strand and specific outcome. Mathematics links now appear in all units.	At the end of each unit on pages 24, 30, 36, 47, 56, 64, 73, 81
	“International System of Units (SI) notation” is now referred to as “Système international (SI) units.”	Pages 19, 46, 53
Chemistry 20–30	A revised Links to Mathematics description in now included in the Program Organization section.	Page 7
	Links to Mathematics is now listed at the end of each unit, is organized by concept, and identifies the mathematics course, strand and specific outcome.	At the end of each unit on pages 22, 26, 33, 39, 48, 54, 68
	In outcome 30-C1.5k, “empirical” is now replaced with “molecular.”	Page 56
	Outcome 30-D2.1sts now reads “the testing of prototypes and/or the application of knowledge.”	Page 66
	“International System of Units (SI) notation” and “SI notation” are now referred to as “Système international (SI) units”	Pages 19, 31, 45, 48
Physics 20–30	A Links to Mathematics description was added in the Program Organization section.	Page 7
	Links to Mathematics is now listed at the end of each unit, is organized by concept, and identifies the mathematics course, strand and specific outcome.	At the end of each unit on pages 20, 26, 32, 38, 45, 53, 59, 69
	The Links to Mathematics note now specifies “in this unit.”	Pages 20, 26, 32, 38, 45, 53, 59, 69
	“International System of Units (SI) notation” is now referred to as “Système international (SI) units.”	Pages 19, 44