



- All offerings are subject to sufficient enrolment.
- Prerequisite requirements are waived for adult students, age 18 or older.
- Mathematics 09 is intended for students who just completed Mathematics 09 and either failed or wish to upgrade their standing.

Courses Offered

Course #	Class	Prerequisite	Dates	Location	Tuition
001	Mathematics 09	Mathematics 09	July 5 to July 30	Online Learning Centre	\$320.00
002	Foundations of Mathematics & Pre-Calculus 10	* Mathematics 09	July 5 to July 30	Online Learning Centre	\$400.00
003	Foundations of Mathematics 20	Foundations of Mathematics & Pre-Calculus 10	July 5 to July 30	Online Learning Centre	\$400.00
004	Foundations of Mathematics 30	Foundations of Mathematics 20	July 5 to July 30	Online Learning Centre	\$400.00
016	Pre-Calculus 20	Foundations & Pre-Calculus Math 10	July 5 to July 30	Online Learning Centre	\$400.00
005	Pre-Calculus 30	Pre-Calculus 20	July 5 to July 30	Online Learning Centre	\$400.00
006	English Language Arts A10	* English Language Arts 9	July 5 to July 30	Online Learning Centre	\$400.00
007	English Language Arts B10	* English Language Arts 9	July 5 to July 30	Online Learning Centre	\$400.00
008	English Language Arts 20	English Language Arts 10	July 5 to July 30	Online Learning Centre	\$400.00
009	English Language Arts A30	English Language Arts 20	July 5 to July 30	Online Learning Centre	\$400.00
010	English Language Arts B30	English Language Arts 20	July 5 to July 30	Online Learning Centre	\$400.00
011	Physical Science 20	Science 10	July 5 to July 30	Online Learning Centre	\$400.00
012	Biology 30	Environmental Science 20 or Health Science 20	July 5 to July 30	Online Learning Centre	\$400.00
013	Chemistry 30	Physical Science 20	July 5 to July 30	Online Learning Centre	\$400.00
014	Physics 30	Physical Science 20	July 5 to July 30	Online Learning Centre	\$400.00
015	History 30: Canadian Studies	none	July 5 to July 30	Online Learning Centre	\$400.00

High School students under age 18 must have the prerequisite courses(s). Therefore it is highly recommended that students under age 18 have permission from their school to take a Summer School course.

** Note ELA 9, Mathematics 09 are not prerequisites for Level 10 courses but are recommended.*

Summer School courses run for only 4 weeks, therefore, students are expected to complete assigned work daily and attend all online meetings with their teacher. Class work can be done on a student's own time, following their own daily schedule. There will also be scheduled times, determined by the student's instructor, where the student will be required to gather for virtual interaction with the instructor and the rest of the class. For Summer School 2021, all resources will be available digitally through the Online Learning Centre. **Textbooks will not be issued.**

FOR MORE INFORMATION (i.e. REGISTRATION FORMS, CANCELLATION/REFUND POLICY) VISIT OUR WEBSITE AT:
www.saskatoonpublicschools.ca/summerschool

REGISTRATION:

Registration Forms are available online.

Enrolment is limited. Please register early to secure your place.

REGISTRATION DEADLINE: Wednesday, June 30, 2021

For those wishing to pay in cash or debit (including VISA debit), arrangements must be made by calling 306.683.8237 for in-person payment. Credit card purchases can be made over the phone.



Mathematics 09

This course is intended for students who just completed Mathematics 09 and either failed or wish to upgrade their standing. Topics include: powers and exponent laws, rational numbers, linear relations, linear equations and inequalities, and polynomials.

Foundations of Mathematics Pre-Calculus 10

Prerequisite: Mathematics 09

This pathway is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into post-secondary programs. Topics include: measurement, trigonometry, exponents, polynomials, factoring, irrational numbers, and relations and functions.

Foundations of Mathematics 20

Prerequisite: Foundations of Mathematics & Pre-Calculus 10

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: logical and proportional reasoning, geometry, trigonometry, algebra, statistics and probability.

Foundations of Mathematics 30

Prerequisite: Foundations of Mathematics 20

This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: financial decision making, logical reasoning, counting principles, probability, polynomial functions, periodic functions, logarithmic and exponential functions.

Pre-Calculus 20

Prerequisite: Foundations of Mathematics & Pre-Calculus 10

This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: absolute value, radicals, trigonometry, rational expressions and equations, factoring, quadratic functions, quadratic inequalities, reciprocal functions, sequences and series.

Pre-Calculus 30

Prerequisite: Pre-Calculus 20

This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include: the unit circle, trigonometric functions, trigonometric equations and identities, logarithmic and exponential functions and equations, counting principles, transformations and composition of functions, radical functions, rational function and polynomial functions.

English Language Arts A10

Prerequisite: English Language Arts 9

Themes include, "The Challenges of Life" and "The Mysteries of Life". This course involves the study of novels, poetry, essays, drama, short stories, etc.

English Language Arts B10

Prerequisite: English Language Arts 9

Themes include, "Equality & Ethics" and "The World Around & Within Us". This course involves the study of novels, poetry, essays, drama, short stories, etc.

English Language Arts 20

Prerequisite: English Language Arts 10

A variety of learning strategies will be used with an emphasis on the writing process. You will participate in discussion groups, panel presentations and oral readings. There will be two novel studies.

English Language Arts A30

Prerequisite: English Language Arts 20

ELA A30 is an integrated course (literature and composition combined, with much of the composition based on the literature being studied). All of the literature studied is Canadian. Composition study will include correct word usage, sentence structure, misplaced and dangling modifiers, spelling and vocabulary study, informal essay structure and formal essay structure.

English Language Arts B30

Prerequisite: English Language Arts 20

Global perspectives are examined using traditional and contemporary world literature. Themes are World Perspectives, Cultural Heroes, The Human Condition, and The Social Experience. The development of grammatical/writing skills is a predominant focus of the program.



Physical Science 20

Prerequisite: *Science 10*

Units covered – Heat (effect of heat on matter), Foundations of Chemistry (predicting products, understanding mole unit measurement, using stoichiometry to determine reactions), Properties of Waves (investigating waves, how waves reflect, how waves refract), Career Exploration (exploring physical science occupations).

Biology 30

Prerequisite: *Environmental Science 20 or Health Science 20*

Units covered – Life and Evolution (scientific understandings of life, principles, processes and patterns of evolution), Organization of Life (cell structures and processes, comparisons of multicellular organisms and the dynamic nature of classification), Genetics and Biotechnology (inheritance, storing, transmitting of genetic information, impact of biotechnology).

Chemistry 30

Prerequisite: *Physical Science 20*

Units covered – Chemical Bonding and Materials Science (role of valence electrons in bonding, how materials depend on forces, nature and classification of organic compounds, sustainability of materials), Chemical Equilibria (applications of equilibrium in chemical reactions, aqueous solution equilibria, acid-base reactions and equilibrium), Electrochemistry (chemistry of oxidation and reduction reactions, applications of electrochemistry).

Physics 30

Prerequisite: *Physical Science 20*

Units covered – Modern Physics (importance of relativistic principles and quantum mechanics, effects of radioactivity and nuclear technology), Forces and Motion (analyzing motion in one- and two-dimensions, effects of forces on objects), Conservation Laws (law of conservation of energy, law of conservation of momentum), Fields (gravitational fields and matter, electric and magnetic fields and matter).

History 30: Canadian Studies

Topics covered - Overview of Canadian history, Aboriginal worldview, Confederation, the Red River and Northwest Resistance, Canada's wartime roles, Canadian unity, Canada's changing international relationships, constitutional issues and political development. Students will also be expected to follow current events.