

*What to Consider When Choosing
Division 4 Credits
At Delisle Composite School*

***A Guide for Students
and Parents***



SK Graduation Requirements

Area of Study	Credits Required
English language arts	5
Mathematics	2
Science	2
Social studies	3
Health education / physical education	1
Arts education / practical and applied arts	2
Electives	9
TOTAL	24

Requirement for both Math and Science:
At least one 10 level and at least one 20- or 30-level course

What to consider when choosing credits:

- Although the Math/Sci Pathway decision will be based on factors unique to each student, we recommend that each student and their parents reflect on the following three factors before making this selection:
 - Student's future education plans
 - Student's future career plans
 - Student's interest in Math and Sciences



Post-Secondary Requirements

Since entrance requirements are set by the post-secondary institutions and not the school division, they are beyond our control and may be subject to change.

It is the responsibility of the student and parents to check course and entrance requirements with specific post-secondary institutions of interest to them.

It is our intent to provide families assistance in locating these requirements.



Math and Science Pathways

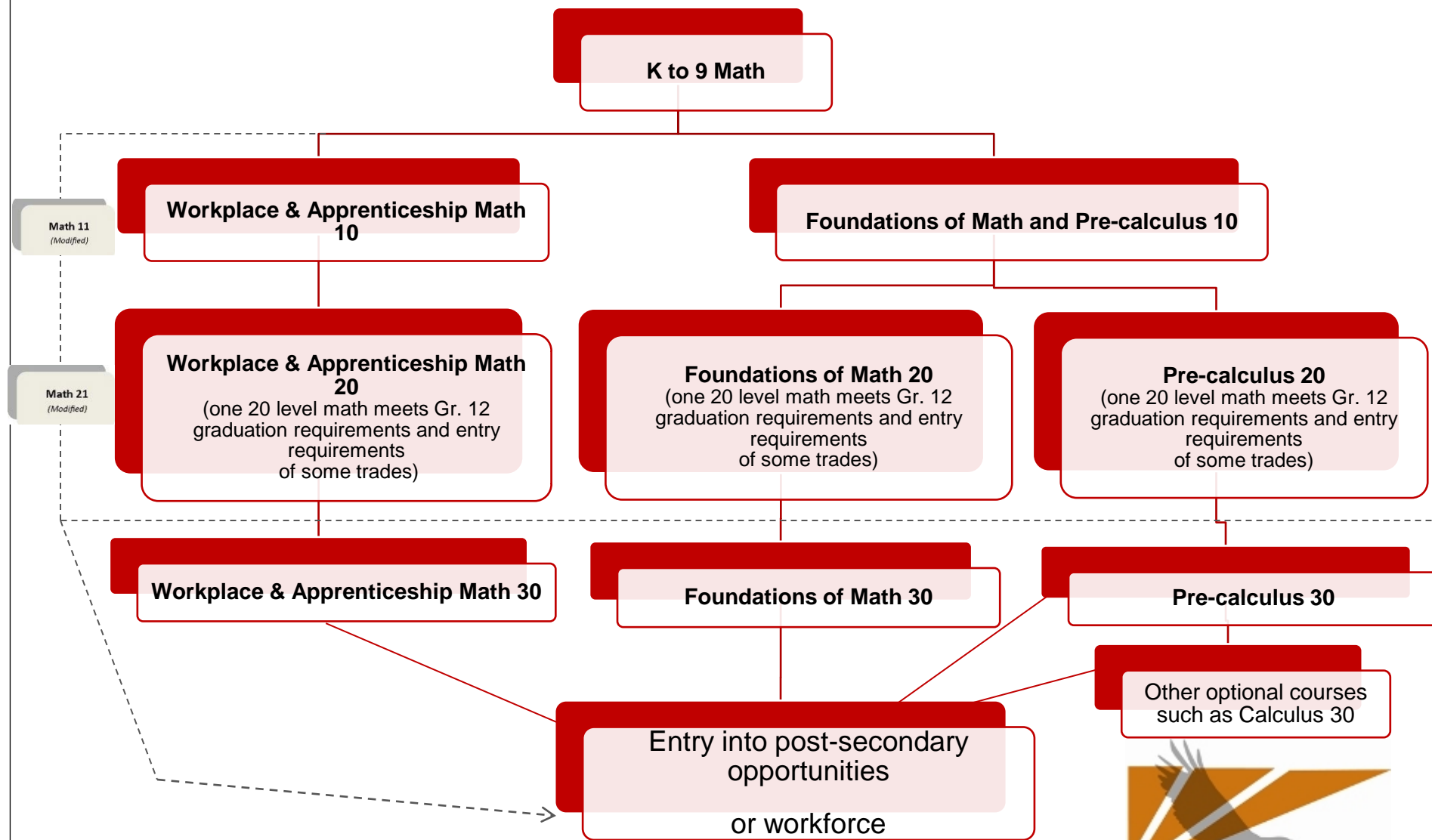
Math courses and pathways are:

- guided by the needs of business, industry and post-secondary institutions.

- based upon interest and need rather than perceived ability.



The Pathways



The Pathways Explained

Workplace and Apprenticeship Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into ***the majority of trades and for direct entry into the work force.***



The Pathways Explained

Foundations of Mathematics

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.***



The Pathways Explained

Pre-calculus

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that ***require the study of theoretical calculus.***



Graduation Requirements

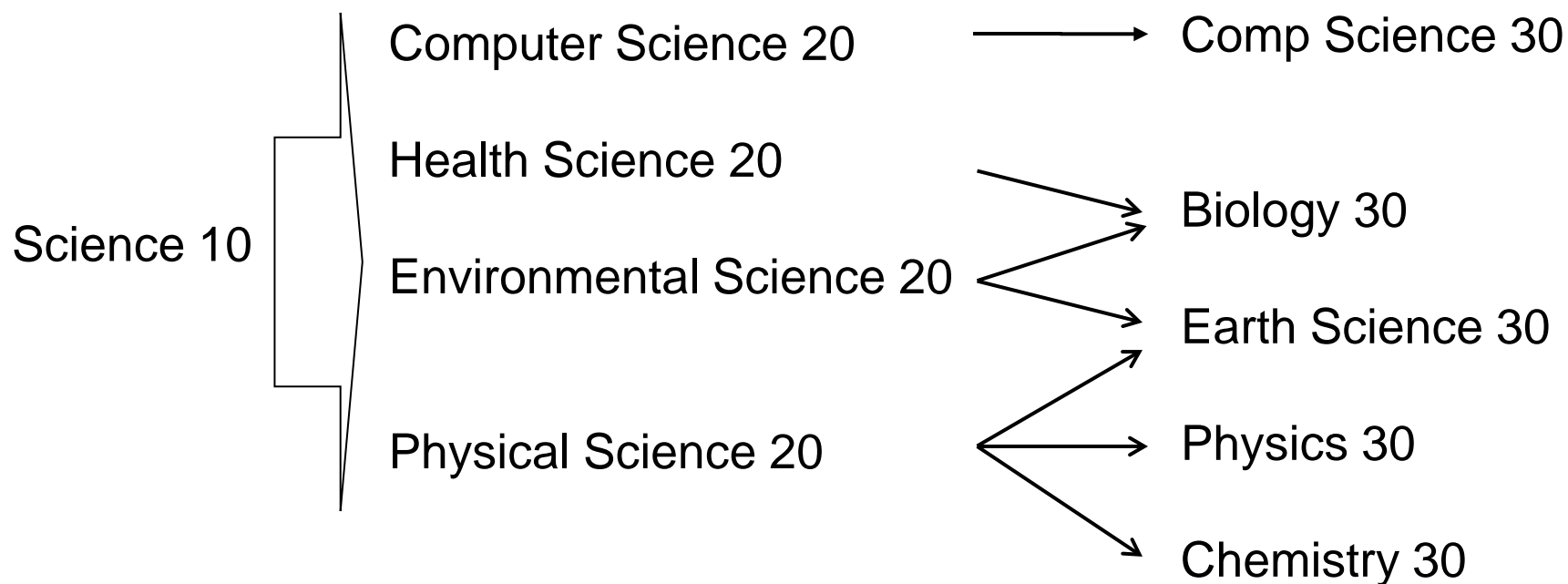
To graduate, students must complete a Grade 11 (20 level) mathematics course.

You might need more than one math course if you plan to continue school beyond Grade 12. Students and parents are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.

For specific program requirements, please contact the specific institution of interest.



Proposed Science Courses & Prerequisites



DCS will be piloting the new 20 level Science Courses in the 2013/14 school year. 20 level courses will no longer be offered. We will be piloting the updated/new 30 level courses in the 2014/15 school year.

Health Science 20

- This course will challenge students to look at the health science field from holistic and analytic perspectives to provide a basis for making sound personal health choices. Students will apply information in the areas of medical knowledge systems and ethics, human anatomy and physiology, nutrition and metabolism, and medical diagnostics. Understanding the basic anatomy and physiology of the human body will provide a context for studying the normal and abnormal functioning of various body systems and the tools and techniques used to diagnose those systems. Students will also investigate the range of health science careers and post-secondary programs available in Saskatchewan.



Environmental Science 20

Students will learn how to examine local and global environmental issues such as climate change, water, soil, and air quality, urbanization, bio-resource management, waste handling and disposal, land-use planning, and the impacts of agriculture and industry on the environment from scientific and Indigenous knowledge perspectives. Students will examine the role of environmental policies and ethics on decision making, and will investigate environmental science related careers. Student directed studies will lead to the development of environmental action plans.



Physical Science 20

This course combines elements of Chemistry 20 and Physics 20 in an integrated hands-on manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of electromagnetic radiation. An overarching theme is the study of the enterprise of public and private science as it occurs in agriculture, industry, and universities to help students better understand the physical science related career paths. Student inquiry will guide independent



Earth Science 30

Students will examine our planet's geological origins and the geological timescale as a foundation to guide decision making with regard to the use of its mineral and energy resources, the maintenance and remediation of the environment, and response to geological hazards. Hands-on field experiences will enable students to develop visual-spatial reasoning skills and an understanding of the role of Geographic Information Systems. Students will also explore the historical and contemporary significance of Earth Science and related



careers

DCS Year Course Planner

STUDENT NAME:

PROGRAM PREFERENCE: Basic Diploma

GRADE / YEAR	GRADE 10	GRADE 11	GRADE 12
Core Courses	ELA 10 A ELA 10 B	ELA 20	ELA 30 A ELA 30 B
	FOUNDATIONS 10	FOUNDATIONS 20	FOUNDATIONS 30
	WORK PLACE AND APPRENTICESHIP 10	WORKPLACE AND APPRENTICESHIP 20	WORKPLACE AND APPRENTICESHIP 30
		PRECALCULUS 20	PRECALCULUS 30 CALCULUS 30
	HISTORY 10	HISTORY 20 PSYCHOLOGY 30	HISTORY 30
	SCIENCE 10	OUTDOOR EDUCATION (Environmental Science and Phys.Ed 20) ENVIRONMENTAL SCIENCE 20 HEALTH SCIENCE 20	BIOLOGY 30 EARTH SCIENCE 30
		PHYSICAL SCIENCE 20	PHYSICS 30 CHEMISTRY 30 EARTH SCIENCE 30
	WELLNESS 10		
			WORK EXPLORATION 30
Optional Course Selections	<ul style="list-style-type: none"> • Food Studies 10 • French 10 • Industrial Arts 10 • Information Processing 10 • Photography 10 • Visual Art 10 • Wellness 10 • Work Experience 10 	<ul style="list-style-type: none"> • Industrial Arts 20 • Information Processing 20 • Photography 20 • Robotics 20 • Visual Art 20 • Work Experience 20 	<ul style="list-style-type: none"> • Apprenticeship 30 (Multiple Credits possible) • Clothing and Textile Fashions 30 • Entrepreneurship 30 • Foods 30 • Industrial Arts 30 • Information Processing 30 • Photography 30 • Practical and Applied Arts 30 (Multiple Credits Possible) • Psychology 30 • Visual Art 30 • Work Experience 30
Total Credits Planned			
Total Credits Received			

Compulsory Credits at DCS:

Grade 10 (7 compulsory credits)

English A10 and B10, History 10, Science 10, Workplace and Apprenticeship 10, Foundations and Pre Calculus 10, and Wellness 10 and 3 electives

Grade 11 (4 compulsory credits)

English 20, at least one 20 level Math, at least one 20 level Science, History 20 or Psychology 30 and 6 electives

Grade 12 (3 compulsory credits)

English A30 and B30, History 30 and 7 electives

Registration:

POWERSCHOOL:

- <http://spiritsd.ca>
- Click On: Powerschool Entrance: Student and Parent access
- Log In: Use Student Computer Username and ID.
- Class Registration
- Click Submit when finished.

Career Resources

- www.careercruising.com
- Ask your teacher for username and password.
- Students can create their own portfolio and username.
- Students save careers and educational paths to their own portfolio.
- Available to all students in our school.
- Prairie Spirit has created a career resource for parents and students
- www.futurechoice.ca
- <http://uncw.edu/career/WhatCanIDoWithaMajorIn.html>

Scholarship Opportunities:

- Affinity Credit Union – Grade 11 students \$2500
- U of S
- Greystone Scholarship – Avg > 95% in Grade 11 Guaranteed \$3000
- **U of S our best average Best of Three**
 -
 - Your guaranteed **\$3,000** cash 95% or greater
 - **\$2,000** 93% to 94.9%
 - **\$1,000** 90% to 92.9%
 - **\$500** 85% to 89.9%
 - All averages are calculated similarly to a final average calculation.
 - Were your marks great in Grade 11?
Was Grade 12 even better?
 - Siasat – U of R – External check the websites (futurechoice has a section dedicated)

Curriculum Documents

If interested, parents may view full
curriculum guides at:

www.curriculum.gov.sk.ca



Thank you for attending
our presentation.



QUESTIONS??

