



Math 20-2 and 30-2

at Westmount Charter School



Agenda

- Mathematics Course Sequence - Finlay
- Rationale (*why -2 sequence*) - Alisat
- Differences between -1 & -2 - Khaja
- Schedule (*what will it look like*) - Ferg
 - Grade 10's
 - Grade 11's
- Application Process - Finlay
- Questions?

Course Sequences & Topics

- The Mathematics Gr 10–12 Program of Studies includes course sequences & topics, rather than strands like in the Mathematics K- 9.
- Alberta Education offers 3 HS course sequences: -1, -2 & -3, each employs different ways to think about mathematics.
- Each topic area requires students develop **conceptual knowledge & skills** useful to proceed in the chosen course sequence.
- Topics covered in each course sequence **build upon previous knowledge & progress from simple to more complex conceptual understandings.**

Goals of Course Sequences

- One goal, of all course sequences, is to **provide prerequisite** attitudes, knowledge, skills and understandings for **specific post-secondary programs or direct entry into the workforce**.
- When students choose a course sequence, they should consider their **interests**, both current and future. Students, parents and educators are encouraged to **identify the admission requirements for post-secondary programs of study** as they vary **by institution and by year**.

Rationale

Westmount is offering the Mathematics -2 sequence

- As a better academic math pathway for particular post-secondary degrees
- We recognize students are diverse and their learning styles are different.
- -2 offers a different way to think about mathematics; it focuses on practical aspect of Math that is require for daily life & may be more engaging & relevant than abstract mathematics.

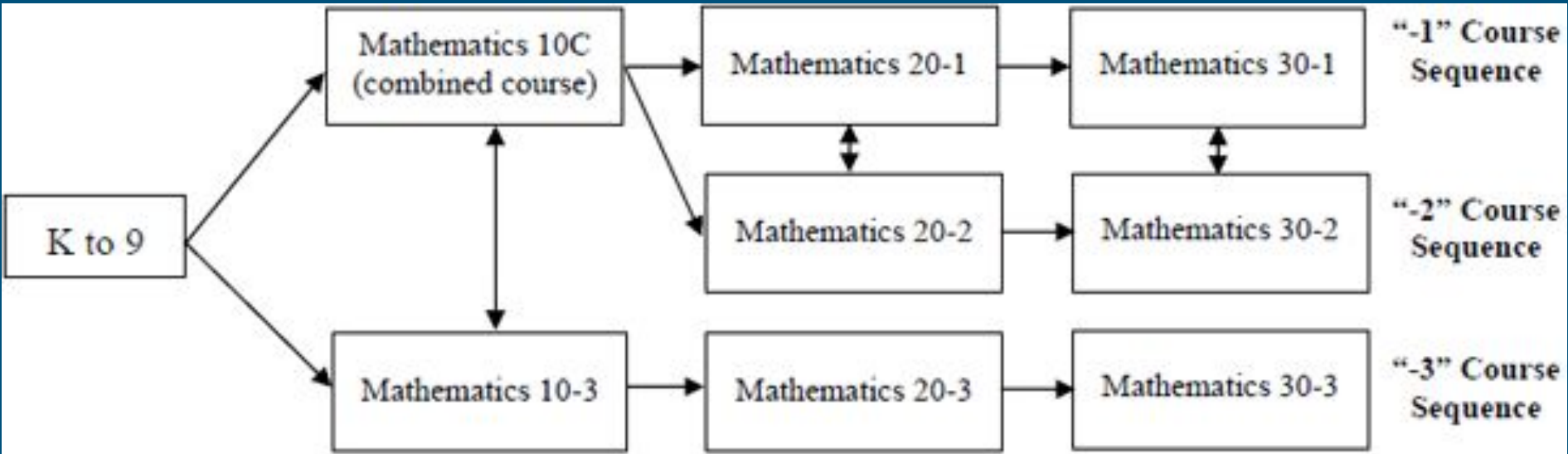
-2 Course Sequence

- This sequence is designed to provide students with the mathematical understandings & critical-thinking skills identified for **post-secondary studies in programs that do not require the study of calculus.**
- Topics include: geometry, measurement, number & logic, logical reasoning, relations & functions, statistics, & probability.

-1 Course Sequence

- This course sequence is designed to provide students with the mathematical understandings & critical-thinking skills identified for **entry into post-secondary programs that require the study of calculus.**
- Topics include: algebra & number, measurement, relations & functions, trigonometry, & permutations, combinations & binomial theorem.

Alberta Education - Math Progress Chart



Schedule

Math -2 Schedule

	Fall	Winter
21/22		Math 20-2
22/23	Math 30-2	

Current Grade 10 Math -2 schedule

	Fall	Winter
2020/21(grade 10) Current year	Math 10 either semester	
2021/22(grade 11)		20-2
2022/23(grade 12)	30-2	Math 30-1 if desired**

Current Grade 9 Math -2 schedule

	Fall	Winter
21/22(grade 10) Next year	Math 10	20-2
22/23(grade 11)	30-2	
23/24(grade 12)		

AP courses

Calculus AP

- Requires Math 30-1 and Math 31

Stats AP

- Requires Math 20-1 or Math 30-2

Math -2 Course Selection Process

2 ways to request for 2021-2022

- 1) Student requests to pursue the -2 sequence through their AP
 - a) Contact your Assistant Principal
 - i) Last Name A-L (Laurie.alisat@westmountcharter.com)
 - ii) Last Name M-Z (Julie.jansen@westmountcharter.com)

- 2) Teacher recommendation
 - a) Math teacher may initiate a conversation with students and their family

References

Alberta Education program of studies:

<https://www.learnalberta.ca/ProgramOfStudy.aspx?lang=en&ProgramId=348234#>

Mount Royal University High School Admission Requirements:

https://www.mtroyal.ca/Admission/_pdfs/ssdata_admission_requirements.pdf

University of Calgary High School Admission Requirements:

<https://www.ucalgary.ca/pubs/calendar/current/a-5-1-1.html>

SAIT High School Admission Requirements: (degree & non degree)

<https://www.sait.ca/admissions/admission-and-selection/admission-requirements>

Questions?