

STRATEGIES FOR IMMEDIATE MATH HELP

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CENTENNIAL
COLLEGE



The Learning Centre

Engage Your Mind • Empower Your Learning

OVERVIEW

- What is Immediate Math?
- How can we Communicate Better?
- What apps and tools do I have?
- What apps should I get?

CENTENNIAL COLLEGE



- Centennial College Learning Centres are part of Libraries under the Academic division.
- Math Assessment/Placement Tests
 - All students write a Math Assessment Test, for admission or placement
 - Placement testing may change their first math course
- Math Advising
 - For students who wrote the test for placement purposes
 - Meeting with students with low scores to provide advice and how to access help
- Learning centre
 - All Centennial College students can access **free** services.

LEARNING CENTRE



- Learning Centre includes the following services:
 - One-to-one and Group tutoring
 - Workshops and Learning Circles
 - Math Advising
 - Learning Strategies
 - Math Drop-in



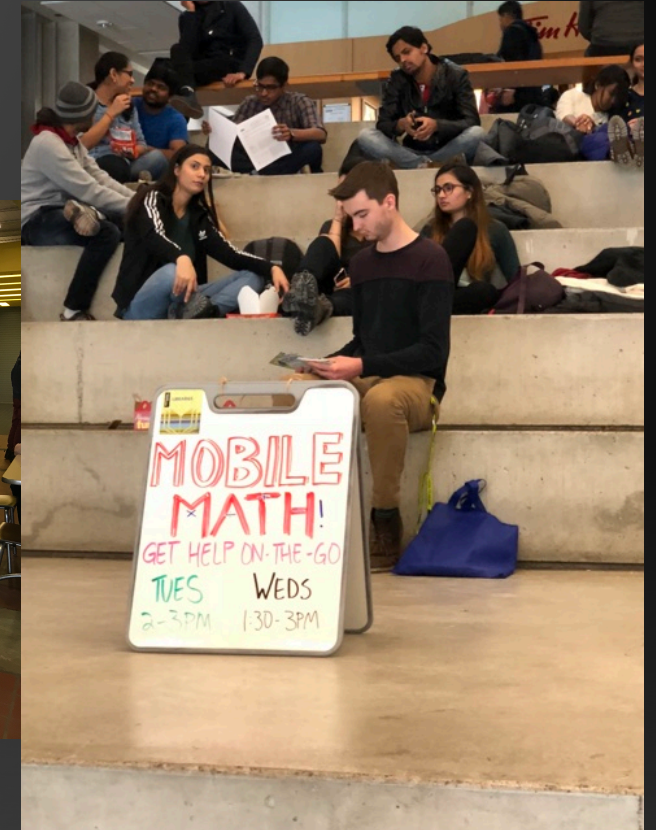
MATH DROP-IN

- Math Drop-in Centre
 - No Appointment required
 - One-to-one help in a group setting
 - Provides immediate math assistance
- Potential barriers
 - Space could get crowded
 - Tutor to student ratio implies quick assistance
 - Knowledge sharing amongst tutors



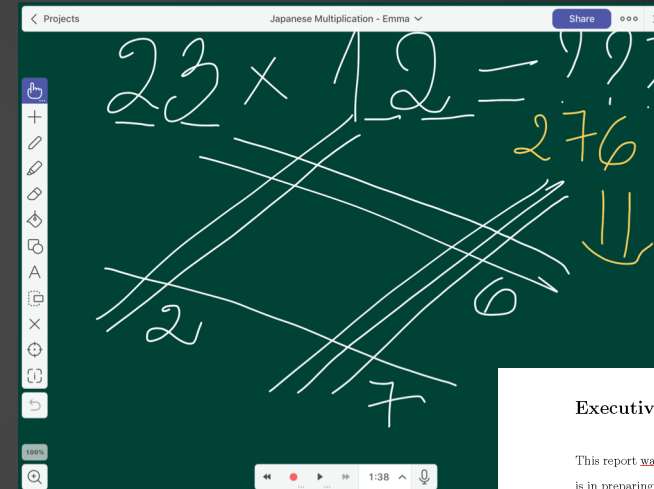
MOBILE MATH

- Math support anywhere on campus
- Visibility throughout the College
- Supporting Tutors
 - Course Content Access
 - Shared Knowledgebase
 - MKO
(More knowledgeable other)
 - Advanced Mathematical Computing



PAPER

- Notes
 - Quick access
 - Students take notes
 - Documentation/collaboration
- Explain Everything
 - Online asynchronous explanations
- iAnnotate
 - PDF markup



Executive Summary

This report was intended to determine how successful Humber College's HeadStart initiative is in preparing students for the CPT placement exam as well as a successful academic career at the College. A student's score on the CPT exam determines which level of Technical or Business math class they will enter in their first year at Humber.

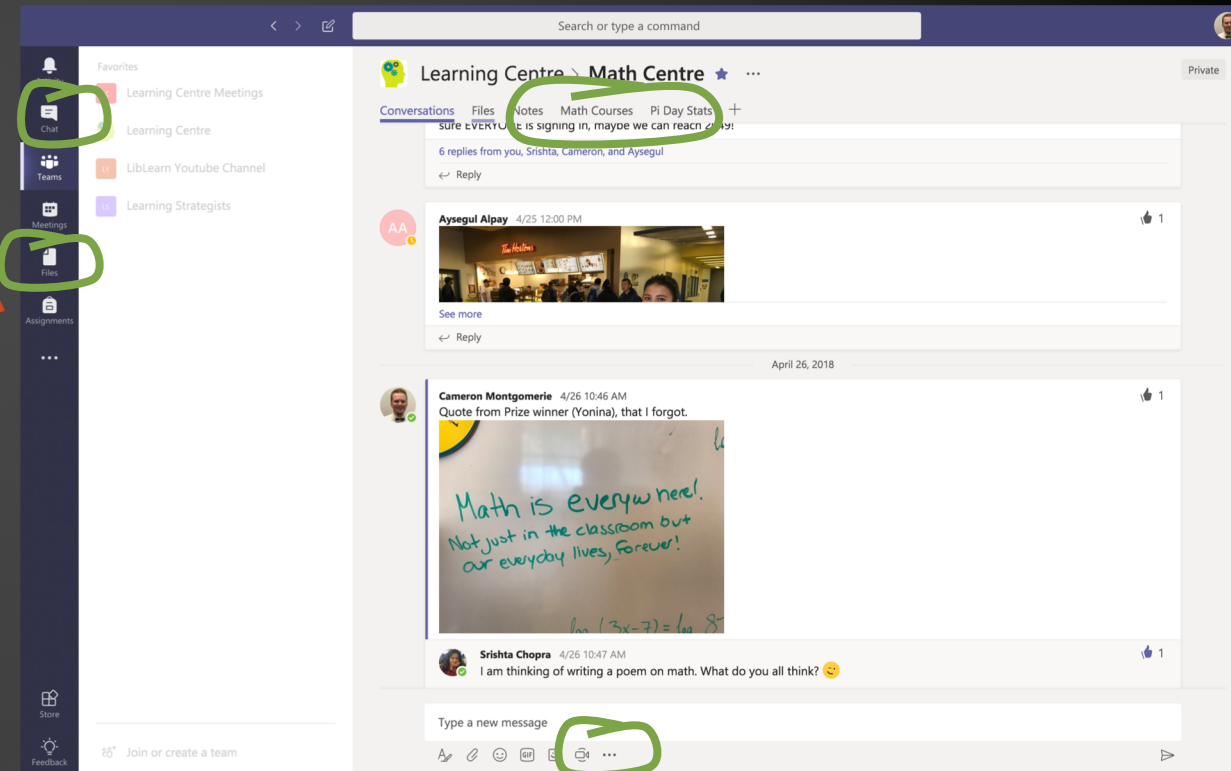
We analyzed numerous measures of academic excellence in this report, including CPT performance, program GPA and passing rate. A sample of 200 Humber College students' detailed academic information as well as HeadStart participation data was used to draw conclusions about the efficacy of HeadStart with respect to the goals of CPT and academic performance. A series of statistical observations were made in an attempt to make meaningful inferences about how HeadStart succeeds in its goals.

The analysis found a significant correlation between HeadStart participation and obtaining a passing GPA at Humber. In addition, we found correlations between success in HeadStart and success on the CPT. (This was done by accessing the top 100 HeadStart performers as well as 100 Humber students who had never used the service, then analyzing their success on the CPT and in their academic career at Humber.)

RESOURCE ACCESS

Teams

- Video and text chat
 - Call in a friend
- Cloud storage
 - Assignments
 - Textbooks
 - Notes
 - Practice
- Collaboration
 - Shared Notebooks
 - Tracking documentation



BASIC MATH APPS

- Calculator
 - Scientific calculator
- Google/Siri
 - Knowledge & calculation

INTERMEDIATE MATH APPS

- MyScript Calculator
 - Handwriting calculator
- Pcalc
 - Customizable Scientific +More
- Calculator++
 - Swipe Calculator

ADVANCED MATH APPS

- Wolfram | Alpha
 - Multipurpose math and science tool
- Photomath
 - AR math scanner
- Tydling
 - Interactive Calculator

FUTURE MATH APPS

- Geogebra & Math VR
 - 3D visualization
- AirMeasure
 - Augmented Reality

THANK YOU!