2024-2025 Course of Study Updates

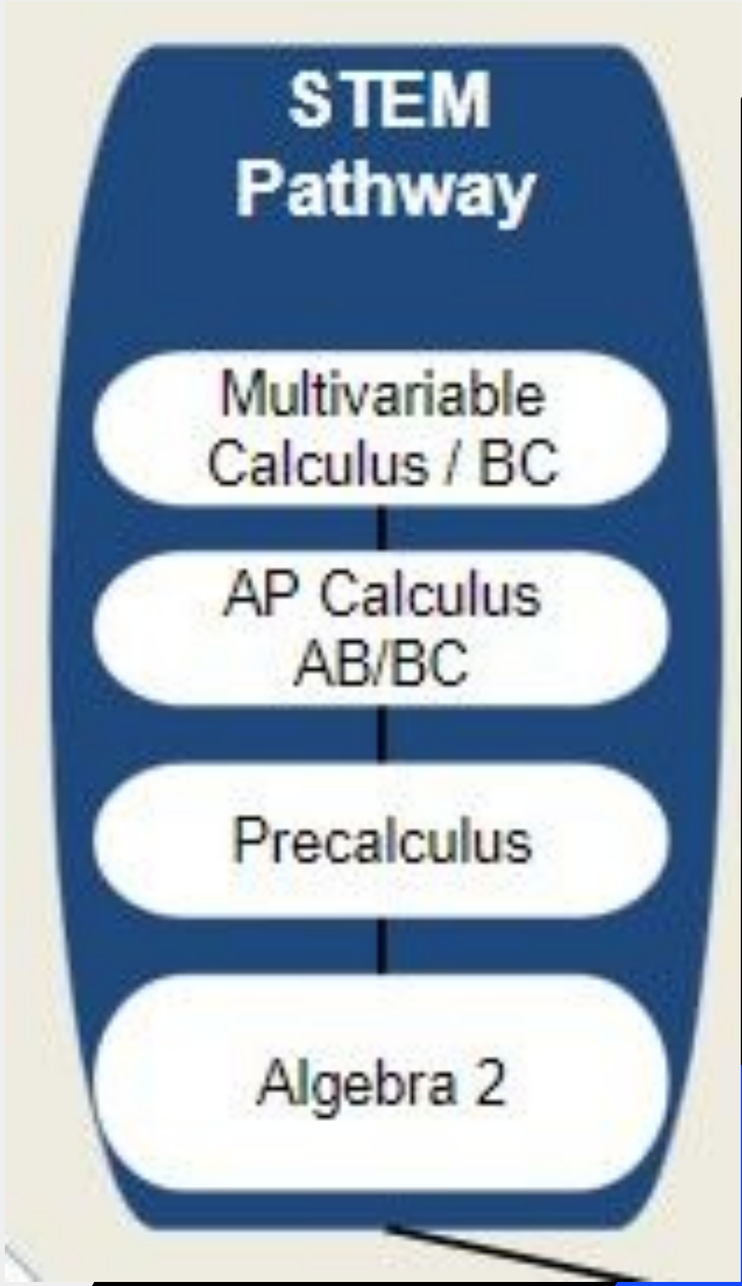
Board of Education Meeting

November 28, 2023

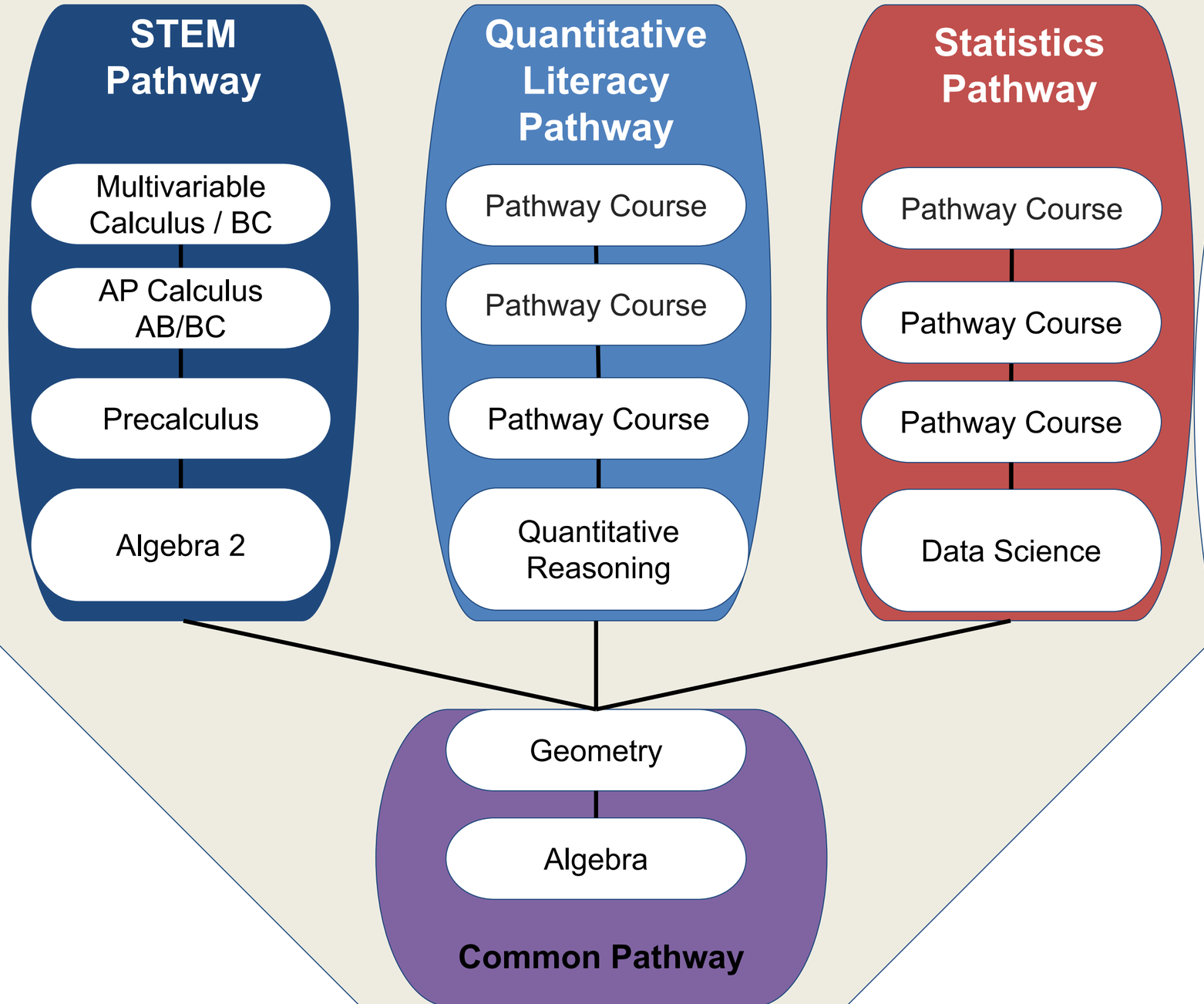
Focus= Math Pathways for 2024-2025

Math- At a Glance

- Traditional Pathway
- Anticipates that students begin the sequence in Grade 7 with Algebra I
- A lot of conversation around Algebra I and Geometry at the high school level
  - Use of Seminar classes in both high schools
  - For current Algebra I and Geometry students
  - Follows Algebra I and Geometry curricula
  - Supports students with gaining necessary skills to move beyond Algebra I and Geometry to enter any of the 3 math pathways



College and Career Aspirations



Pathway Courses

AP Statistics (full year)- exists
Business Statistics (semester)- New 25-26
Data Visualization and Manipulation(semester)-New 25-26
Geometric Constructions (semester)- New 25-26
Adv Algebra and Finance (full year) - New 25-26
Business Calculus* (full year)- New 25-26
Algebra 2- Exists
Precalculus*- Exists
Calculus A*- Exists
AP Calculus AB*- New 25-26
AP Calculus BC*- Exists
Multivariable Calculus*- Exists

*Prerequisite Required

3 New Courses will be added to the Course of Study

Quantitative Reasoning Quantitative Literacy Pathway

- The first course in the Quantitative Reasoning Math Pathway
- Focuses on the mathematics of numbers, modeling, financial literacy, and effective citizenship.
- Preparatory for success in the humanities and technical fields.
- Curriculum
  - Number, ratio, and proportional reasoning
  - Mathematical Modeling
  - Predicting with Probability
  - Statistics and Data Analysis

Data Science Statistics Pathway

- The first course in the Data Science Math Pathway
- Focuses on developing students computational and statistical thinking skills for creative work and as a means of telling stories with data.
- Preparatory for success in the health, social sciences, and business fields.
- Curriculum
  - The idea of data and visualizations
  - Making inferences, Justifying conclusions, and probability
  - Data collection methods
  - Predictions and modeling

Broadcast and Media Production: Broadcasting III

- The third course in the Broadcasting sequence following Broadcast I and Broadcast II.
- The third course in a sequence following Broadcast I and Broadcast II.
- Curriculum:
  - Pre-Production
  - Content Production
  - Post-Production of Content
  - Part of 21st Century Career and Technical Education Career Pathways Standards
    - Arts, A/V Technology & Communications
    - Technology and Film
    - Journalism and Broadcasting
    - Career Ready Practices

Change in Course Structure

1

Current Course:
Introduction to Computer Programming

Offered to students grades 9-12

Full year course at 5 credits

2

Change to Course 1:
Introduction to Computer Science

Offered to grades 9-12

Semester course at 2.5 credits

3

Change to Course 2:
Computer Programming

Offered to grades 9-12

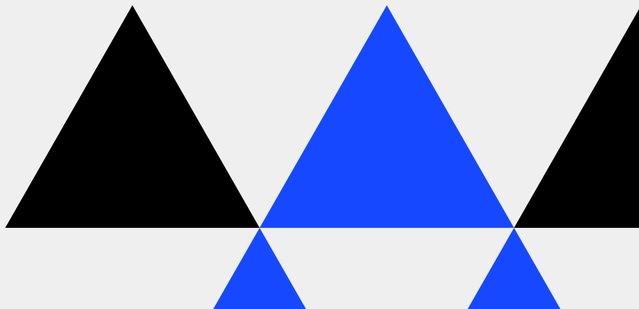
Semester course at 2.5 credits

Must successfully complete Introduction to Computer Science

Timeline

- March- Dr. Milou will work with HS math teachers to begin writing the two new math pathway courses.
- February/June- Broadcasting Media and Production: Broadcasting III and Computer Programming will have opportunity to begin to write their curriculum and finish over the summer

Questions?



THANK YOU!