

Textbook Recommendation to the Board of Education

Subject/Course: Precalculus

Grade Level: High School - Grade 11/12

First Presentation BOE Meeting Date: 3/5/2025

Second Presentation BOE Meeting Date: 4/2/2025

Describe need for the textbook/materials: The Precalculus Academic curriculum was last re-written in 2014 and referenced the previously approved text from 2007 (*Advanced Mathematical Modeling*, McGraw Hill). During the 2024-25 school year, the Precalculus curriculum was revised while keeping in mind the importance of mathematical modeling along with the Illustrative Math Curriculum and ensuring vertical alignment of standards. By adopting a textbook specifically designed for a Precalculus course, teachers will have better support in building off of students' prior knowledge while also preparing them for high levels of mathematics.

Listed below are textbooks/materials evaluated by the Textbook Selection Committee:

Subject/ Course	Title of Book	Author(s)	Edi- tion	Copyright Date	Publisher	Rubric Score Total	Readability
Precalculus	Precalculus	Miller	1	2023	McGraw Hill	139	
Precalculus	Precalculus	Larson	11	2022	Cengage	137	
Precalculus	Precalculus	Blitzer	7	2022	Pearson	173	

The following textbook(s)/materials are recommended by the Textbook Selection Committee

Subject/ Course	Title of Book	Author(s)	ISBN #	Edi- tion	Copyright Date	Publisher	City, State Of Publisher	Publisher Website
Precalculus	Precalculus	Blitzer		7	2022	Pearson	Upper Saddle River, NJ	https://www.pearson.com/en-us/subject-catalog/p/prec calculus/P200000006127/9780137321667

Reasons for recommendation (include information on match to curriculum concepts and skills):

- Real-world connections as chapter openers that are woven through units and into practice exercises
- Instructional activities for students to investigate and explore concepts
- Detailed worked examples and accompanying videos
- Built in checkpoints
- Corequisite knowledge and skill building activities
- Student online text translates into 135 languages
- Support resources for students in MyMathLab online resource
- Online homework with hints and re-dos and solutions
- App students can download to have access full textbook without needing wifi access
- Teachers can assign differentiated practice and homework

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Student Materials Needed				
Quantity	Item Name	Cost Per Item	Total Cost	Distribution: #Texts per School
100	Student edition + 6-year access to MyMathLab	\$238.47	\$23,847.00	BCHS: 50 BEHS: 50

Teacher Materials Needed				
Quantity	Item Name	Cost Per Item	Total Cost	Distribution: # per School
6	Annotated Instructor's Edition for Precalculus	\$148.47	\$890.82	BCHS: 3 BEHS: 3

TOTAL COST	
Total Cost for Student Texts/Materials	\$23,847.00
Total Cost for Teacher Materials	\$890.82
Total Cost for Shipping	\$1979.03
GRAND TOTAL	\$26,716.86

Textbook Selection Committee		
Staff member	School	Grade/Course Taught
Nicole Beauchamp	Bristol Central High School	Secondary Math Coach
Olivia Levesque	Bristol Eastern High School	Secondary Math Coach
Tara Crouch	Bristol Central High School	Math Department Chair
Logan Bourke	Bristol Eastern High School	Math Department Chair
Benjamin Oksanen	Bristol Central High School	Precalculus Teacher
Colin Brunetti	Bristol Central High School	Precalculus Teacher
Tyler Roberts	Bristol Eastern High School	Precalculus Teacher