

**New Fairfield Public Schools
Textbook Selection Information**

Course: Precalculus and Honors Precalculus

Grades: High School

Title: Precalculus with Limits: A Graphing Approach

Author(s): Ron Larson

Publisher: Cengage Learning

Date: 2016

The following criteria were adopted and/or adapted from the American Library Association Workbook for Selection Policy Writing.

- 1. Learning resources shall support and be consistent with the general educational goals of the state and the district and the aims and objectives of individual schools and specific courses.**

The textbook and ancillary materials are in alignment with both a College Preparatory and an Honors level Precalculus course and are widely used by many schools throughout the country. The resource is also in alignment with the current AP Calculus textbook that is used at New Fairfield High School, which is the next book in this series of Larson textbooks. Therefore, students would already be familiar with the text format and materials if they choose to take the next course in the math progression. This book is also printed by the same publisher and written by one of the authors of the Big Ideas Mathematics series, which is being used in 6th grade through Algebra 2.

- 2. Learning resources shall be chosen to enrich and support the curriculum and the personal needs of users.**

The Larson textbook has different leveled sets of problems to choose from, some at a higher level than others to differentiate for the needs of all students and that occurs in both the textbook and the online worksheets and resources. There are also online video tutorials for students who may need more support at home or may want to see the lesson presented in a different way. The purchase includes access to CalcChat.com, which is a website that offers online tutoring, study guides and individual problems from the textbook worked out for students.

- 3. Learning resources shall meet high standards of quality in format, visual quality and presentation:**

The textbook and online resources were recently updated with online video tutorials and online access to books and other materials and are user-friendly. The pupil edition of the textbook includes several worked out examples as well as boxed out vocabulary terms, graphs and pictures. Pages are well laid out sequentially and do not appear to be crowded.

4. Learning resources shall be appropriate for the subject area and for the age, emotional development, ability level, learning styles, and social development of the students for whom the materials are selected.

The textbook is aligned to both a regular level and honors level Precalculus curriculum and formulas and functions are written at the level that any Precalculus student would be ready to interpret and decode. The textbook includes various chapters that both build on Algebra 2 content for the regular level Pre-Calculus course and teach new topics such as Trigonometric Functions, Analytic Trigonometry and Topics in Analytic Geometry for all Precalculus students.

5. Learning resources shall promote an appreciation of cultural diversity.

Word problems include different scenarios and problems that are based on arts and sciences. They are also given from the points of view of people in various career paths.

6. The publisher provides appropriate support materials.

Cengage provides many ancillary materials with the purchase of the textbook, including online components. Teachers are given multiple versions of worksheets, quizzes, tests and slideshow presentations, which are all editable. Students are given access to the book online as well as video tutorials and an option to complete homework online.

7. Price per book and the number needed

Approximately 100 digital licenses at \$150 each and approximately 50 books at \$179 each plus shipping, for a total of approximately \$24,000, which is in the budget for 2018-2019.