

New Fairfield Public Schools

New Course Proposal

Directions:

Before completing this form, please discuss this proposal with the appropriate administrator(s) in your school. Complete this proposal form thoroughly, and attach any supporting documentation that would help the Board of Education's Curriculum Sub-Committee understand this proposal better. Be sure that you adhere to all deadlines, and be certain to acquire all required signatures. To ensure that a course can be properly planned for, if it is intended for a coming school year, please complete it by October 31. All other proposals can be forwarded at any time of the year.

Course Being Proposed: Financial Algebra

Proposal submitted by: Catherine Hall- NFHS Mathematics Department Chair

School: New Fairfield High School

1. Indicate the department/grade level in which this course/program will run.

The mathematics department proposes to run a course titled Financial Algebra for students as an elective upon completion of their math graduation requirements.

2. Please indicate if the new course or instructional program is a semester long or year long, and indicate the applicable grade levels. Please indicate the course level if applicable.

The course is a semester long. It would be open to any students who have completed their math graduation requirements typically students in grades 11-12. It would be a CP level course.

3. Please give the rationale for this proposal, and include its relationship to the past, current and future development of curricular offerings in New Fairfield.

We currently offer Personal Finance as a graduation requirement for all students, but do not have any upper level business related mathematics courses. This course would allow students choice as an upperclassmen as far as the branch of math that they might like to pursue post-graduation, in alignment with some of the course pathways that are currently being developed.

4. Please indicate the target population for this proposal.

Students in grades 11-12 who have already completed their graduation requirements for mathematics.

5. Please explain if this course or instructional program is an addition or a replacement for an existing course or program.

This course is a new elective course and would not be replacing any particular course.

6. List any prerequisites for this course or instructional program.

This course would be available to students who had already met their graduation requirements for mathematics, typically by taking an Algebra 2 course.

7. Please write a short description of the new course or instructional program that would be suitable for the high school *Program of Studies* or for a curriculum document.

Financial Algebra is an elective math course that engages students with real-world financial applications while maintaining deep mathematical rigor. Each of the course's units blends one core personal finance topic with one relevant math concept (e.g. Investing and Exponential Functions).

8. Please list the long-term course or program goals that define the broad outcomes that this course or program seeks to help students achieve.

Students should see the connection between algebra and the business world.

9. Please indicate what topics, units, or material will be used to meet the long-term goals listed above. What assessment strategies will be used in this course or program? What are the unique components of this course or program content that make it a worthwhile addition for our students?

This course curriculum is already written by the state and is free. A link to the curriculum is [here](#).

The units include:

Unit 1: Taxes and Fundamentals of Algebra

Unit 2: Checking and Linear Equations

Unit 3: Saving and Systems of Equations

Unit 4: Budgeting and Systems of Inequalities

Unit 5: Intro to Investing and Exponential Functions

Unit 6: Investing Strategies and Exponential Functions

Unit 7: Types of Credit and Modeling Functions

Unit 8: Managing Credit and Fundamentals of Statistics

Unit 9: Paying for College and Statistical Analysis

Unit 10: Insurance and Probability

10. Please enumerate the resources – both human and financial – that you anticipate will be needed to develop this course or program correctly. What impact would this proposal have on scheduling, staffing, and resources? Consider training, equipment and space needs.

The resource is free and is developed with the use of NearPod, which is a free online platform that is already approved by the technology department.

The course would be staffed by current staff, it would replace a section of one of the upperclassmen electives currently offered.

11. If this course will require a textbook, what is the title and cost estimate of a likely text?

None - resource is free online from the state

12. What impact will this course/program proposal have upon other courses/programs currently being offered in the district?

This course does not impact any other courses that are currently being offered at this time, except that it may reduce the number of sections of other upperclassmen elective courses.

Signatures of those making this proposal:

Catherine Acee
Teacher/Department Chair

11/21/22
Date

[Signature]
Principal

11/21/22
Date

Julie Ruby
Assistant Superintendent

11/22/22
Date

