

Vicksburg Community Schools Proposal Form with Guidance

Please review VCS General Guidelines for Program Review and Proposal Development prior to completion of this form. Send completed Proposal Form and supporting documents to the Curriculum office by March 1st.

Note: The first page of this form is the cover sheet and proposal checklist for use as you edit or create your final draft to ensure each section has the required information. The proposal request form begins on page 3.

Title of Proposal: New AP Calculus Book

Proposal Author(s): A. Walton, D. Roehm

Department and Curriculum Area: High school mathematics Building: Vicksburg High School

Committee Members:

❖ This proposal is for: (check all that apply)

- Textbook and other teaching resources (requires planned pilot process as part of the proposal request)
- New courses or course revisions
- Full program or curriculum area reviews
- Program or curriculum area modifications
- Supplemental Instructional/Intervention Resource

❖ Proposal Background & Overview – Write a narrative that includes *all* of the following:

- Relevant background/history.
- Problem or other basis for the proposal (i.e. student needs, etc.).
- Reasons for making the change.
- Targeted School Improvement Goals

❖ Complete Description of Proposed Change(s):

- List all major changes, components and/or strategies of the proposal.
- Give rationale for each change (base the rationale on research or best practice information).
- Include new course/textbook title, course/textbook replaced, credit, and prerequisite(s).
- Attach the current content expectations, course outline, and/or general syllabus.

❖ Implementation Plan

- Give a full explanation of the implementation timeline, action items, and responsibilities for implementing.
- Itemize, in detail, all proposal costs. Include 1st year costs and a budget to maintain the proposal after implementation. Include resource needed to support change. (texts, soft/hardware, web-based license, consumables, training, substitute cost for training, equipment, personnel). **Include attachment if needed.*

❖ Anticipated/Expected Impact

- Explain the anticipated proposal outcomes. Describe how the proposal will impact students, staff, and the instructional program. Include expected gains in student success. Include how this proposal articulates with other courses/levels in this subject area & across the curriculum.

❖ Proposal Evaluation Plan and Student Achievement

- Explain how this proposal will be evaluated, the timeline used, what data is to be collected (survey results, national, state, district, or classroom assessments), and how the evaluation will be reported.
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Dates of Anticipated Review and Action: DCILT _____

BOE 5/9/22

Principal's Signature(s): 


(To be completed by Director of Curriculum and Instruction upon receipt of proposal.)

Date Received: 4/15/22

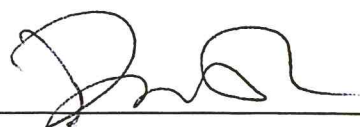
Comments on proposal:

RESPONSE:

- Need more information: _____
- Need to consult with:
 - the building principal(s) affected by this proposal
 - curriculum area chairperson
 - Other: _____
- Proceed as outlined in the proposal


Director of Curriculum and Instruction

4/19/22
Date


Director of Technology

4/19/22
Date

Proposal Background & Overview:

Our current textbook is older, not aligned with the College Board AP Calculus AB curriculum and lacks graphing calculator technology integration. The College Board revised the course curriculum and exam in both 2006 and 2013 After an exhaustive review of textbooks that are on the college board recommended list, we requested review copies of a few textbooks. The *Calculus of a Single Variable* is aligned with the the current curriculum, includes technology integration with respect to graphing calculators, has a section in each unit with past AP test questions for the students to review, includes video solutions for selected problems in case students need help at home or are learning from home, included access to LarsonCalculus.com which is a companion to the text, has rigorous and relevant problems application problems, and this text can be used to teach the BC Calculus curriculum if we offer that course in the future.

School Improvement Plan Link: 1.1: All teachers will implement Tier 1 instruction with fidelity.

Complete Description of Proposed Change(s):

<i>Grade</i>	<i>New Textbook Title/Instructional Resource</i>	<i>Previous Textbook/Instructional Resource To Be Replaced</i>
12	<i>Calculus of a Single Variable AP Edition (2021)</i> <i>One <u>Teacher edition</u> of Calculus of a Single Variable</i>	<i>Calculus, Concepts and Applications (2005)</i>

- *Link to College Board course description and standards:*
<https://apcentral.collegeboard.org/pdf/ap-calculus-ab-bc-course-and-exam-description-0.pdf?course=ap-calculus-ab>

Implementation Plan:

a. Implementation strategies

Timeline	Action	Person(s) Responsible
May, 2022	Proposal to VCS School Board	D.Roehm
May, 2022	Finalize order for 22-23 school year	D.Roehm
Ongoing 2022-2023 school year	Use Calculus of a Single Variable as the primary text for AP Calculus AB course	D.Roehm
Ongoing 2022-2023 school year	Analyze student data and progress as well as implementation notes to evaluate effectiveness of the resource.	D.Roehm & Math Department

b. Proposal Costs

Description	Number Needed/ Cost per Unit	Total Cost	Funding Source
Calculus of a Single Variable AP Edition (11th edition) ISBN: 987-1-3376-28690-9	25 / \$166 est.	\$4150	
Teacher edition		\$0	
Shipping		\$415	
Professional Learning/Summer Curriculum Work			
Other Costs			
Total Costs	\$4565		

Anticipated/Expected Impact:

Proposal outcomes

- Stronger alignment with AP Curriculum
- Increase in students passing AP Calculus exam

Proposal Evaluation Plan and Student Achievement:

Evaluation and assessment

Action	Timeline	Person/ Team Responsible	Evaluation Reports
Unit assessments and end of course assessments	Ongoing	D. Roehm	Student results
Review AP Exam scores	July 2023	D. Roehm	College Board student scores

Prior to submitting this form, review your proposal using the checklist outlined on page one of this document to ensure each section has the required information. Incomplete proposals will be returned.