Grades 9 – 12 Textbook Recommendations

**Algebra I:**


*For Practical and Self-Contained classes of Part I and Part II Algebra I:*

- **2-05528** Larson, Boswel, Kanold, Stiff, *Algebra, Concepts and Skills*, McDougal Littell, 2004

The Following materials are incorporated in the adoption of the *Prentice Hall Mathematics, Algebra I, Pt I and II:*

- **0-13-180732-3** Kennedy, Charles, et.al., *Prentice Hall Mathematics, Algebra I, Pt I and II*, Interactive Text 6 year on line access

- TeacherExpress CD-ROM teacher’s edition for each course level with links to all teaching resources for the State and text.
- Explore Learning license for 1 year
- ExamView dynamic test generator to allow creation of an unlimited number of forms of a test with three levels of questions correlated to Virginia SOL
- Presentation Pro CD-ROM with Daily Skills Check, Lesson Quiz, Problem of the Day, Additional Examples, and Student Edition Answers
- TI83+/TI84+ Calculator learning activities, teaching notes, StudyCards, Concept Cards, and Student Edition Data Lists
- Math Online Intervention and Remediation with benchmark Tests, individualized assignments addressing targeted skills, instructional activities, tutorials, games, worksheets, and coded reports for teachers
- PHSchool.com interactive companion to the text accessible in school or at home via Web Codes printed in the Student and Teacher’s Editions.
  - Teachers get: support materials in English and Spanish, Internet Activities with teaching notes, teaching links to web sites, professional development resources
  - Students get: homework Practice, Internet Activities, Hot Links to related Web sites
- EZData scoring system to grade benchmark tests or any tests made with ExamView Test Generator

The following materials would support the practical level Algebra I, Part I & II:

- Larson, Boswel, Kanold, Stiff, *Algebra, Concepts and Skills:*
  - Teacher Resource Kit *Algebra, Concepts and Skills*, McDougal Littell, 2004
eEdition Plus Online or eEdition CD-ROM per student text purchased for Algebra, Concepts and Skills, McDougal Littell, 2004
Virginia Notetaking Guide
Basic Skills Workbook Diagnostic Remediation
Multilanguage Glossary
Algebra Tile Investigations Activity Book
Strategies for Reading Mathematics
Warm-up Exercises and Daily Homework quiz
Graphing Calculator Activities
Quick Catch-up for absent Students
Real-Life Applications: When Will I Ever Use This?
Alternative Assessment with Rubric and Math Journal

The following materials support the classroom set of Discovering Algebra: An Investigative Approach:

• Student Edition Online
• Teacher Edition
• Solution Manual
• Teaching Resources on CD
• Test Generator and Worksheet Builder on CD
• Calculator Programs and Data CD

Algebra II:

The Following materials are incorporated in the adoption of the Prentice Hall Mathematics, Algebra II, Virginia Edition:

• TeacherExpress CD-ROM teacher’s edition for each course level with links to all teaching resources for the State and text.
• Explore Learning license for 1 year
• ExamView dynamic test generator to allow creation of an unlimited number of forms of a test with three levels of questions correlated to Virginia SOL
• Presentation Pro CD-ROM with Daily Skills Check, Lesson Quiz, Problem of the Day, Additional Examples, and Student Edition Answers
• TI83+/TI84+ Calculator learning activities, teaching notes, StudyCards, Concept Cards, and Student Edition Data Lists
• Math Online Intervention and Remediation with benchmark Tests, individualized assignments addressing targeted skills, instructional activities, tutorials, games, worksheets, and coded reports for teachers
• PHSchool.com interactive companion to the text accessible in school or at home via Web Codes printed in the Student and Teacher’s Editions.
  o Teachers get: support materials in English and Spanish, Internet Activities with teaching notes, teaching links to web sites, professional development resources
  o Students get: homework Practice, Internet Activities, Hot Links to related Web sites
• EZData scoring system to grade benchmark tests or any tests made with ExamView Test Generator

The following materials support the classroom set of Discovering Advanced Algebra: An Investigative Approach:
• Student Edition Online
• Teacher Edition
• Solution Manual
• Teaching Resources on CD
• Test Generator and Worksheet Builder on CD
• Calculator Programs and Data CD
• Demonstrations with Fathom and The Geometer’s Sketchpad w/CD

Geometry:

For Practical and Self-Contained classes of Part I and Part II Geometry:
2-61444 Larson, Boswel, Stiff, Geometry, Concepts and Skills, McDougal Littell, 2005

The Following materials are incorporated in the adoption of the Prentice Hall Mathematics, Geometry,:
0-13-180747-1 Kennedy, Charles, et. al., Prentice Hall Mathematics, Geometry Interactive Text 6 year on line access
• TeacherExpress CD-ROM teacher’s edition for each course level with links to all teaching resources for the State and text.
• Explore Learning license for 1 year
• ExamView dynamic test generator to allow creation of an unlimited number of forms of a test with three levels of questions correlated to Virginia SOL
• Presentation Pro CD-ROM with Daily Skills Check, Lesson Quiz, Problem of the Day, Additional Examples, and Student Edition Answers
• TI83+/TI84+ Calculator learning activities, teaching notes, StudyCards, Concept Cards, and Student Edition Data Lists
• Math Online Intervention and Remediation with benchmark Tests, individualized assignments addressing targeted skills, instructional activities, tutorials, games, worksheets, and coded reports for teachers
• PHSchool.com interactive companion to the text accessible in school or at home via Web Codes printed in the Student and Teacher’s Editions.
  o Teachers get: support materials in English and Spanish, Internet Activities with teaching notes, teaching links to web sites, professional development resources
  o Students get: homework Practice, Internet Activities, Hot Links to related Web sites
• EZData scoring system to grade benchmark tests or any tests made with ExamView Test Generator

The following materials would support the practical level Part I and Part II Geometry, Larson, Boswel, Stiff, Geometry, Concepts and Skills:

• Teacher Resource Kit Geometry, Concepts and Skills, McDougal Littell, 2004
• eEdition Plus Online or eEdition CD-ROM per student text purchased for Geometry, Concepts and Skills, McDougal Littell, 2004
• Virginia Notetaking Guide
• Basic Skills Workbook Diagnostic Remediation
• Multilanguage Glossary
• Visualize It! Transparencies
• Parent Guide for Student Success
• Strategies for Reading Mathematics
• Lesson Plans for Block Scheduling
• Warm-up Exercises and Daily Homework quiz
• Activity support Masters
• Technology Activities with Keystrokes
• Quick Catch-up for absent Students
• Cooperative Learning Activities
• Alternative Assessment with Rubric and Math Journal

The following materials support the classroom set of Discovering Geometry: An Investigative Approach:

• Student Edition Online
• Teacher Edition
• Solution Manual
• Teaching Resources on CD
• Test Generator and Worksheet Builder on CD
• Demonstrations with The Geometer’s Sketchpad w/CD
Precalculus/Analysis

Teacher and Student Resources to support Precalculus with Limits: A graphing Approach:
- Test Generator with Instructor’s ClassPrep CD-ROM
- Instructor’s Annotated Edition
- Study and Solution Guide
- Test Item File; and Instructor’s Resource Guide

Calculus

Teacher and Student Resources to support Calculus with Analytic Geometry:
- Pupil’s Edition with learning Tools CD-ROM
- Calculus of a Single Variable
- Calculus of a Single Variable with Learning Tools CD-ROM
- Instructor’s Resource Guide
- Instructor’s AP Themes Booklet
- Student Study and Solutions Guide
- Instructor Solution Guide
- Test Item File
- Test Generator,
- Graphing Technology guide for Calculus
- Calculus Video Program
- HM ClassPrep Instructor’s CD-ROM

College Algebra and Trigonometry

Teacher and Student Resources to support Precalculus, 2nd Edition, Blitzer:
- Instructor Edition
- Instructor Solution Manual
- Test Item File
- TestGenerator CD-ROM
- Student solution Manual
- Re-teaching CD-ROMs
Probability and Statistics
Standard/Advanced Probability and Statistics:

AP Probability and Statistics:

- Annotated Teacher Edition
- Instructor Solution Manual
- Test Bank
- CD Lecture series
- Student Data CD
- Student solution Manual
- Test Generator
- TI-83+ Guide
- MiniTab Guide

- Statistical Applets
- EESEE Stories
- Statistics on the Web
- Supplementary Topics
- Online Quizzes
- Post Exam Chapters
- Data Sets
- Errata Pages

Discrete Mathematics

Teacher and Student Resources for Excursions in Modern Mathematics, Discrete Mathematics:
- Test Item File
- Instructor solution Manual
- Test Generator CD-ROM
- Student Solution Manual
Computer Mathematics using the Graphing Calculator

Teacher Resources to support Mathematics, An Applied Approach, 8th Edition:
- Instructor’s Solutions Manual
- Test Bank
- Student Solutions Manual
- Technology Resource Manual
- Computerized Test Bank

Additional High School Ancillary Materials including Technology

- Key Curriculum Press  Fathom2 Dynamic Data Software
- Key Curriculum Press  Geometer’s Sketch Pad Version 4
- Texas Instruments  TI 83+ or TI 84+ graphic calculator, or equivalent as approved by Virginia State DOE
- Texas Instruments  Calculator Based Rover (CBR) Data Collection Unit
- Texas Instruments  Calculator Based Laboratory System 2 (CBL2) and appropriate probe modules to interface with CBL2
- Texas Instruments  TI Navigator Classroom System Hub and Student Kits
- Larson Learning Inc.  Larson’s Algebra I Software Package
- Apex Learning  Boxer Math Pre Algebra and BoxerMath 6-12

• *Navigating through Measurement in Grades 9–12* (with CD-ROM), by Masha R. Albrecht, Maurice J. Burke, Wade Ellis, Jr., Dan Kennedy, and Evan M. Maletsky, NCTM, ISBN 0-87353-546-4
• *Mission Mathematics II: Grades 9–12*, edited by Peggy A. House and Roger P. Day Stock #12876

**Student Manipulative Materials:**

- Compass
- Ruler and meter stick
- Measuring tape
- Angle ruler
- Protractor
- Algebra Tiles