



NAD Secondary Math Textbook List

I. Rationale

- A. Recommend texts in three separate groups:
1. Algebra I, Geometry, Algebra II Series (Pre-Algebra is included if taught below a High School level.)
 2. Pre-Algebra Series for High School
 3. Pre-Calculus and Calculus Series
- B. Strengths of top texts:
- Resource Materials – video tutorials, diversity of textbook materials (text, CD, online), teacher lesson plan software, editable PowerPoint presentations for every lesson, editable worksheets, ExamView software, online help
 - Consumable workbooks that is renewable for life of adoption (Up to 6-7 years, Glencoe/Prentice-Hall)
 - MindPoint or MindJogger game-show-like reviews for each chapter
- C. Other acceptable texts – there were no significant deficiencies (All series were examined and compared to the current NAD Math Curriculum Guide.)
- D. Training – contact local representative and arrange training at school site, **necessary** for making use of all that the software/technology offers

II. Approved Textbooks

Pre-Algebra
For students coming in to high school who are not ready for Algebra I: Glencoe Algebra Readiness 2008 ISBN 0-07-877737-22
Pre-Algebra being taught outside of high school level (7 th /8 th grades): Glencoe 2006 Pre-Algebra, Malloy ISBN 0-07-873818-0 McDougal Littell 2008 Pre-Algebra, Larson ISBN 0-618-84099-0 or 0-618-25003-4 Holt 2008 Pre-Algebra, Bennett ISBN 978-0-03-093468-1 Prentice Hall 2007 Pre-Algebra, Charles ISBN 0-13-133995-8

Algebra I

Recommended:

Glencoe 2008 Algebra I, Holliday
ISBN 0-07-873822-9

McDougal Littell 2007, Larson
ISBN 0-618-81176-1 or 0-618-59402-7

Acceptable:

Holt 2007 Algebra I, Burger
ISBN 978-0-03-035827-2

Prentice Hall 2007 Algebra I, Bellman
ISBN 0-13-133996-6

Geometry

Recommended:

Glencoe 2008 Geometry, Boyd
ISBN 0-07-873818-1

McDougal Littell 2007 Geometry, Larson
ISBN 0-618-81194-X or 0-618-59540-6

Acceptable:

Holt 2007 Geometry, Burger
ISBN 978-0-03-035828-9

Prentice Hall 2007 Geometry, Bass
ISBN 0-13-133997-4

Algebra II

Recommended:

Glencoe 2008 Algebra II, Holliday
ISBN 0-07-873830-X

McDougal Littell 2007 Algebra II, Larson
ISBN-10:0-618-81181-8 or 0-618-59541-4

Acceptable:

Holt 2007 Algebra II, Burger
ISBN 978-0-03-035829-6

Prentice Hall 2007 Algebra II, Bellman
ISBN 0-13-133998-2

Pre-calculus*

Recommended:

Glencoe 2006 Advanced Mathematical Concepts

ISBN 0-07-868227-4

McDougal Littell 2007 Pre-calculus with Limits, Larson

ISBN 0-618-66090-9

McDougal Littell 2007 Pre-calculus with Limits, A Graphing Approach, Larson

ISBN 0-618-85152-6

Prentice Hall 2007 Pre-calculus, Demana

ISBN 0-13-227650-X

Calculus*

Recommended:

McDougal Littell 2006 Calculus, Larson (Houghton Mifflin)

ISBN 0-618-50300-5

Prentice Hall 2007 Calculus, Finney

ISBN 0-13-201408-4

Holt, CD Independent Study – *still looking at – we need to get a copy of this to evaluate*

*We recognize that these courses are optional at some schools and some are taught as honors or AP courses, thus the instructor should evaluate the books chosen to meet the objectives of their course. We have only evaluated them to meet the NAD Curriculum Guide. ***We are recommending the national editions of the textbooks. If the school is in a state that offers a separate textbook publication for that state the school may opt to buy the state edition instead of the national edition.***

III. Statement of Concern – Continuity of Program/Preparedness

We recommend that the elementary curriculum be followed all the way through the 8th grade math textbook in order to prepare their students for Algebra I. If an elementary school is offering a validated Algebra I in 8th grade, we strongly recommend that they not use a Pre-Algebra textbook prior to the Algebra I course. They should offer a solid 7th grade math course prior to the Algebra I.

IV. Textbooks NOT Recommended

Saxon Publisher (for Algebra I, Algebra II, Advanced Mathematics)

(SEE NEXT PAGE FOR RATIONALE)

Rationale for NOT recommending Saxon:

1. Not a series that can be used in place of most traditional texts, due to the limited sequence—three high school courses
2. The three book series limits students to only three years of math, and creates problems if a student transfers
3. Geometry would need to be taught also to account for transfer students
4. Saxon Algebra II is not equivalent to other standard Algebra II texts
5. Each lesson does not have adequate daily lesson content
6. Spiral review is evident in all other texts, this is not unique to Saxon
7. Supplemental resources are inadequate for differentiated instruction (enrichment and/or learning assistance)
8. While lower achieving students appear to have improved test scores with the use of Saxon, it does not provide sufficient challenge for higher achievers
9. Leads parents and students to feel completion of Algebra I and II is equivalent to courses in other schools not using Saxon, but this is a false conception
10. Independent study is easier for students because of the “programmed learning” nature—so what is the need for the teacher