

Saxon Math Geometry, 1st Edition – Student Edition

Hardbound textbook. Includes all topics in a high school geometry course: perspective, space, & dimension. Students learn how to apply & calculate measurements, and will use logic to create proofs & constructions & will work with key theorems & proofs.

This program correlates to the KY State Standards (Combined Curriculum Document). A copy of this correlation is available on request and can be found on our website at www.saxonmath.com.

Contract Price

\$67.00

Grade

9, 10, 11, 12

TYPE

P1

Copyright

2009

Author

Saxon, an imprint of
HMH Supplemental
Publishers Inc.

Edition

1st

Content

High School
Mathematics

Readability

8.1 (Flesch-Kincaid)

Accessibility

Nimas

Research

<http://saxonpublishers.harcourtachieve.com/HA/Resources/ResourceCenter/RCHome.aspx>

Teacher Edition

9781602773066 Saxon Math Geometry, 1st Edition – Teacher’s Edition \$95.00

Essential Items

Ancillary Items

Free with Purchase items

9781602774957 Saxon Math Geometry, 1st Edition - College Entrance Exam Practice \$20.00
For every twenty (20) Geometry student editions purchased, the school will receive one free College

9781602774964 Saxon Math Geometry, 1st Edition - Instructional Masters \$52.00
For every twenty (20) Geometry student editions purchased, the school will receive one free

9781602775077 Saxon Math Geometry, 1st Edition - Prerequisite Skills Intervention \$20.00
For every twenty (20) Geometry student editions purchased, the school will receive one free Prerequisite

9781602775473 Saxon Math Geometry, 1st Edition - Course Assessments \$52.00
For every twenty (20) Geometry student editions purchased, the school will receive one free Course

9781602775558 Saxon Math Geometry, 1st Edition - Challenge and Enrichment \$16.00
For every twenty (20) Geometry student editions purchased, the school will receive one free Challenge

9781602775602 Saxon Math Geometry, 1st Edition - Reteaching Masters \$20.00
For every twenty (20) Geometry student editions purchased, the school will receive one free Reteaching

9781602775626 Saxon Math Geometry, 1st Edition - Standardized Test Practice \$18.00
For every twenty (20) Geometry student editions purchased, the school will receive one free

9781602775633 Saxon Math Geometry, 1st Edition - Technology Lab Masters \$16.00
For every twenty (20) Geometry student editions purchased, the school will receive one free Technology

9781602775923 Saxon Math Geometry, 1st Edition - Multilingual Glossary \$28.00
For every twenty (20) Geometry student editions purchased, the school will receive one free Multilingual

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 9781602773059		Publisher - Saxon, an imprint of HMH Supplemental Publishers Inc.	
	Saxon Math Geometry, 1st Edition – Student Edition			
	Type - P1	Author - Saxon, an imprint of HMH Supplemental Publishers Inc.		
	Copyright - 2009	Edition - 1st	Readability - 8.1 (Flesch-Kincaid)	
	Course - High School Mathematics		Grade(s) - 9, 10, 11, 12	
	Teacher Edition ISBN if applicable 9781602773066			

Overall Recommendation:	Recommended as BASAL
Overall Strengths, Weaknesses, Comments:	if this box is not checked, the evaluators have chosen NOT recommend as basal
<p>The text covers the POS for Geometry. There is minimal engagement of the students in inquiry based discovery. There are minimal assessment materials provided. The book is organized into individual lessons with no chapters. The lessons are integrated and not grouped by topic.</p>	

NIMAC Accessibility N
 Ancillary No
 Free with Purchase Yes
 Research Yes

<http://saxonpublishers.harcourtachieve.com/HA/Resources/ResourceCenter/RCHome.aspx>

Hardbound textbook. Includes all topics in a high school geometry course: perspective, space, & dimension. Students learn how to apply & calculate measurements, and will use logic to create proofs & constructions & will work with key theorems & proofs.

CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

- | | |
|--|-----------------|
| a) Number Properties and Operations | Strong Evidence |
| b) Measurement | Strong Evidence |
| c) Geometry | Strong Evidence |
| d) Data Analysis and Probability | Not Applicable |
| e) Algebraic Thinking | Strong Evidence |

2) Addresses content-specific enduring understandings from the related Program of Studies standards. Strong Evidence

3) Addresses content-specific skills and concepts from the related Program of Studies standards. Strong Evidence

4) Content addressed is current, relevant and non-trivial Strong Evidence

5) Provides opportunities for critical thinking/reasoning Moderate Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

This textbook covers all POS content for Geometry class. This text is organized differently: instead of chapters there are lessons. The text provides some opportunities for higher-level thinking. The content is rigorous and relevant.

B. Functionality & Suitability

Strong Evidence

1) Suitability

Strong Evidence

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality

Strong Evidence

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy

Moderate Evidence

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- The text is engaging and facilitates learning
- Embedded activities enhance the understanding of the text

Note: may apply to either student or teacher editions

4) Connections to Technology

Moderate Evidence

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners

Strong Evidence

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The text provides support for differentiation, ESL, students with learning difficulties, and challenges for gifted and talented. The text provides support for differentiation of instruction. There are technology labs available throughout the text. The reading level is appropriate for

the grade level.

C. Supports Inquiry and Skill Development

Moderate Evidence

1) Promotes Inquiry, research and Application of Learning

Moderate Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
 - Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
 - Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
 - Provides opportunities for application of learned concepts.
 - Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
 - Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
- Note: may apply to either teacher or student edition*

2) Skill Development

Moderate Evidence

- Provides opportunities to make sense of all mathematics
 - Provides opportunities to recognize, create, and extend patterns.
 - Provides opportunities for critical thinking and reasoning.
 - Provides opportunities to justify/prove responses.
 - Provides opportunities to ask deeper questions.
 - Contains embedded activities (or extensions) that emphasize use of technology for problem solving
- Note: may apply to either teacher or student edition*

3) Strengths, Weaknesses, Comments:

The text lacks inquiry into geometry. Direct instruction is given for most topics. While the labs provide this type of learning, there are very few of them. There are very few opportunities for critical thinking or exploring patterns.

D. Supports Best Practices of Teaching and Learning

Moderate Evidence

1) Engages Students

Moderate Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Little or No Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

The text lacks objectives and does not engage the student into the lesson. There are lab activities that provide experiments and real-life situations. There are not any cumulative assessments or reviews provided with the student or teacher editions. Most questions are on lower DOK levels and require minimal writing.

E. Has an Organization/ Format that Supports Learning and Teaching

Moderate Evidence

1) Organizational Quality

Moderate Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The text presents the material as individual lessons with integration of topics. This format does not contain periodic cumulative assessments. There diagrams and images, but they are not real-life or appealing to the eye. The text is written at an appropriate level. There are no essential components beyond the student and teacher text.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Moderate Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The ancillary materials include challenge and enrichment masters, technology lab masters, reteaching masters, course assessments, and standardized test practice.
