

Review Team Appraisal of Title

(K-8 Mathematics)

This appraisal form is provided for use by educators responsible for the selection of instructional materials for implementation with districts and charter schools across New Mexico to meet the needs of their student populations.

This appraisal form should be used in conjunction with the publisher provided Form D: Research Based Effectiveness Determination that supports this reviewed material which can be found on the Instructional Material Bureau website.

<https://webnew.ped.state.nm.us/bureaus/instructional-materials/the-adoption-cycle/>

IM Title	enVision Math 2.0	Publisher	Pearson Education
SE ISBN	978328970896	TE ISBN	9780328953769
SW ISBN	N/A	Grade Level/Content	Grade 7 - Accelerated

Core Material Designation *(Core Material is - the comprehensive print or digital educational material, including basal material, which constitutes the necessary instructional components of a full academic course of study in those subjects for which the department has adopted content standards and benchmarks.)*

Recommended Recommended with Reservations Not Recommended

Total Score

Reviewer #31	Reviewer #32	Reviewer #33	Average Score
<u>95.33%</u>	<u>94.33%</u>	<u>85.17%</u>	<u>91.61%</u>

Standards Review - *Materials are reviewed for alignment with the state adopted content standards, benchmarks and performance standards.*

Reviewer #31	Reviewer #32	Reviewer #33	Average Score
<u>99.21%</u>	<u>99.68%</u>	<u>86.98%</u>	<u>95.29%</u>

Materials align with grade level standards.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> ● Aspects of rigor and common core domains for the grade level are represented within the content of the curriculum. ● The table of Contents presented in the teacher’s edition divides the topics by color coding based on the strands of the accelerated grade 7 curriculum. ● Blocks representing the number of lessons within the topic area are included with color coding assigned to specific stands within the accelerated grade 7 curriculum. ● Listing of the specific standards addressed within the lessons are missing. Seventh and Eighth grade standards are combined in this curriculum. Standards are not listed but concepts and skills tied to overlapping standards and individual standards for each grade level are. Reviewers believe this may be a reason that they are not listed explicitly.

Materials align to standards for mathematical practice.

Statements of appraisal and supporting evidence:

- Math practices that are addressed and implemented in the proposed activities in the lesson are clearly defined (not numbered) at the beginning of each lesson throughout the curriculum.
- The teacher edition provides instructional strategies to enhance and refine student thinking habits.
- A student handbook is included in each of the student editions that provides students with modeled math problems and answers that meet expectations of engagement with the mathematical practices.
- Included Math Practices and Problem Solving Handbook can help students build on and enhance their thinking and habits mathematically with each of the practices.

Materials show aspects of rigor.

Statements of appraisal and supporting evidence:

- At the beginning of each lesson presented in the lesson overview, aspects of rigor are listed based on focus, coherence, and rigor.
- To increase the conceptual understanding across more than one subject and/or standard, the curriculum includes a variety of instructional strategies to include direct instruction, practice (digitally and in print), STEM Projects, and 3-Act activities.
- The Teacher Edition has a section at the beginning of each topic that explains the aspects of rigor they believe to be contained within the topic, how it is achieved, and in what lessons it is present.

Math Content Review - *Materials are reviewed for relevant criteria pertaining to the support for teachers and students in the specific reviewed content area.*

Reviewer #31	Reviewer #32	Reviewer #33	Average Score
<u>92.86%</u>	<u>78.57%</u>	<u>75.00%</u>	<u>82.14%</u>

Materials are consistent with grade level content, supporting the intent of the delivery and understanding of mathematics.

Statements of appraisal and supporting evidence:

- Grade level content domain requirements are satisfied in both the student and teacher edition.
- Each lesson has extensions on the lessons and strategies for intervention, enrichment, and supports for ELL. The teacher edition provides valuable information for teachers to further student understanding and in multiple methods of delivery strategies.
- As a proposed delivery method, the online resources provide additional support assignments at grade level to enhance and extend the understanding of mathematics.
- TE Program Overview provides a clear connection between the standards developed for 6th, 7th, and 8th grade levels within the Scope and Sequence.
- The lesson overview for each lesson lists, within the aspects of rigor under coherence, the connection of prior, current, and future lesson knowledge pertaining to that lesson.

Materials support student learning of mathematics.

Statements of appraisal and supporting evidence:

- The teacher edition provides in each lesson supporting strategies for instruction aimed toward English Language Learners (at 3 levels) as well as intervention and enrichment strategies.
- Additional supports are available to students and teachers online at the accompanying website for the textbook.

- Customized additional practice can be assigned to students through the online website to assist struggling students.
- At the beginning of each lesson, vocabulary practice is provided to engage students in learning math content and use of mathematical terminology.
- Throughout lessons, teachers are provided suggested posing questions to engage students in the content and to get them thinking deeper and critically in relation to the topic content.

All Content Review - Materials are reviewed for relevant criteria pertaining to the support for teachers and students in the material regarding the progression of the standards, lesson structure, pacing, assessment, individual learners and cultural relevance.

Reviewer #31	Reviewer #32	Reviewer #33	Average Score
_85.98%_____	_83.54%_____	_82.32%_____	83.94%

Materials are consistent with the progressions in the standards.

Statements of appraisal and supporting evidence:

- Throughout the curriculum, one clear focus is on the progression in standards through a single grade level while connecting to prior and future knowledge.
- Each section within the topics provides relationships of standards across grade levels.
- Lessons are identified as major, supporting, and additional clusters to provide cohesion within the standards addressed within the curriculum.

Materials foster coherence through connections at a single grade, where appropriate and required by the standards.

Statements of appraisal and supporting evidence:

- Coherence aspects are provided in the teacher edition to denote the aspects within the lesson aligned with coherence.
- Coherence provides the connection for students to engage in and understand the curriculum (before, current, and future lesson focus).
- Prior knowledge activation is a clear indicator of coherence within the lesson overview of each lesson.
- Current lessons being studied provide coherence through a single grade level (current level) focused to accommodate learning of the standards.

Materials are well designed and take into account effective lesson structure and pacing.

Statements of appraisal and supporting evidence:

- A pacing guide is included in the TE Program Overview book that suggests lesson structure and pacing for the curriculum to include a couple of additional days for extra practice and intervention if needed.
- ELL instructional strategies are provided in each lesson for teachers to effectively teach 3 levels of learners: beginning, intermediate, and advanced.
- Challenge items are included within lessons to provide advancement for those students ready to advance before others.
- To foster effective lesson structure and pacing, the teacher edition includes descriptions of prior grade knowledge, current grade knowledge, and future lesson knowledge that will be gained throughout the topic.

- Lessons include possible misconceptions prevention, error intervention, and challenge strategies to be included in instruction.

Materials offer teachers resources and tools to collect ongoing data about student progress on the standards.

Statements of appraisal and supporting evidence:

- Additional practice resources are available online and scored automatically upon completion.
- ExamView can be used by teachers to create additional practice or assessments.
- Immediate feedback is provided through online assessment completion and intervention is assigned based on student performance.
- Online quizzes provide instant data for student understanding and auto assign content in which the students show need.
- Item analysis is provided for each assessment enabling teachers to maintain in-depth data on students as a whole class or individual students.

Materials give all students extensive opportunities and support to explore key concepts.

Statements of appraisal and supporting evidence:

- Key Concepts overview is presented following the examples of each lesson that provides students with a review, comprehension questions to get students thinking and writing, and practice questions to apply the techniques learned in the concept.
- Opportunities for student success for all students are embedded within the lessons with suggestions in the form of error interventions, prevent misconceptions, and differentiated instruction strategies and methods.
- Online resources provide additional practice in various forms to include math games and tools, worksheets, video tutorials, and customizable lessons and assessments.
- Strategies are provided for teachers to allow extension of lessons for ELL, advanced students, and those who may be struggling.

Materials support effective use of technology to enhance student learning. Digital materials are accessible and available in multiple platforms.

Statements of appraisal and supporting evidence:

- A variety of online resources are available for student learning to be enhanced through technology and can be accessed through a computer, tablet, or smartphone.
- Chat rooms and Discussion boards can be created, monitored, and replied to by teachers to engage students in communication about assignments or content.
- Study guides, quizzes, and tutorials (by standard or by lesson) can be teacher or student driven through Math XL.
- Assignments, activities, and assessments can be accessed through the online site.
- Teacher and student editions are available online through multiple platforms.
- Online quizzes and assessments assign intervention for students based on their performance.
- Teachers have access to various professional development opportunities online.
- Online videos can be accessed through the Virtual Nerd app or through the BouncePages app.
- Caution should be used with links - Bounce app can be cumbersome and is not consistently reliable - in some cases, scanning the page directs students to a different lesson than it should.
- Teacher driven intervention can be done based on item analysis provided with the assessments.

Materials can be easily customized for individual learners.

Statements of appraisal and supporting evidence:

- Teachers have access to creating customized lessons, assignments, and assessments for individual learners through the text website.

- Online quizzes and assessments provide customized learning for students based on their individual needs, gained from knowledge of their performance, and assigned following the assessment.
- Vocabulary support is available with pictures, examples, and methods to represent understanding.

Materials take into account cultural perspectives.

Statements of appraisal and supporting evidence:

- Videos that accompany some of the activities within the curriculum (3-Act Math, Stem Project, etc.) provide an avenue to account for limited cultural perspectives within the materials.
- The glossary that is included in the student edition is presented in English and Spanish.
- Caution: lack of cultural and linguistic perspective. Whereas a wide demographic and personal interest is exhibited in the context of the problems and examples, there is very little representation of multiple cultures and languages.

Reviewer Professional Summation - *These materials are reviewed by Level II and Level III educators from across New Mexico. The reviewers have brought their knowledge, experience and expertise into the review of these materials. They offer here their individual summary of the material as a whole.*

Reviewer #31 background and experience: *As a Level 3 teacher with licenses at Elementary and Middle School levels, I am endorsed in Math, ELA, Reading, and Social Studies. My Bachelor's degree is in Elementary Education and my Master's Degree is in teaching of Mathematics with a focus on Teacher Leadership. I have taught in the classroom for 10 years as 5th, 6th, 7th and 8th grade Math and Algebra 1 teacher. I served as an instructional coach for one year, and provided assistance to MC2 Summer Institute as a facilitator of teacher learning. I was a member of the Leadership Institute of Teachers (LIFT) through MC2 and currently serve as the Math department head, Administration advisory team and New Teacher Mentor for my school.*

Professional summary of material:

EnVision Math 2.0 for Accelerated 7th grade combines the skills for grades 7 and 8 to ready advanced 7th graders for Algebra 1 in 8th grade. It is well aligned to the **Common Core State Standards** that overlap in grades 7 and 8. I found no gaps in the coverage of standards and practices are embedded throughout the student activities. However, the lack of standards by name within the Teacher's Edition Lesson planning may create difficulty for teachers ensuring that all standards are taught. Skills and concepts are described well, and as the grade level combines 7th and 8th grade standards, it is logical to address them as such.

The **teacher edition** provides detailed discussion into the pedagogy coherence. Each "**topic**" or unit begins with Math Background. It includes professional development for conceptual understanding by the teacher, coherence and rigor, pacing and standards alignment with objectives, essential understanding, and vocabulary. Each **Lesson** begins with an overview of the chunk of knowledge for the day with focus, coherence, and rigor. It guides the teacher through the lesson, anticipating common misconceptions, providing examples, self-discovery for students, and supports for diverse learners. Additional online and paper based resources are included. **Assessments** are available and ready to use, with the ability to customize, by adding, deleting, or rearranging questions for accommodations for one student or entire class use. Assessments may be taken online with immediate grading and data analysis, complete with remediation suggestions for individual and class use, which has the further option of auto-assignment through the web portal for students to access.

The **student edition** begins with lessons on the Standards for Math Practice and Problem Solving. All math practices are embedded in the lessons and are showcased. Each **topic** begins with a quick overview, then offers a STEM project and a “get ready” assignment that serves to spiral prior topics and ensure that prerequisite knowledge is present. **Lessons** are consistent in format, with the exception of 3-Act Math lessons, which engage students in a real world activity that encompasses more than one standard. Regular lessons begin with an opportunity for students to engage in the math without direct instruction: designed to allow students to play with the concept and activate prior knowledge. Lessons have examples, quick review with “Do You Understand and Do You Know” sections, followed by practice for fluency. Some assessments are located in the Student Edition for self-monitoring. Whole group, small group, and individual learning is used throughout the year.

Online components are in abundance for students and for teachers. Every aspect of Student and Teacher editions are online, and there are apps for smartphones and tablets that provide ability to receive additional help and communicate with each other. Bounce app allows students to scan a textbook page and link immediately to the online version. Errors have been noted in links, so caution is recommended.

Parent and community involvement seems limited to parent letters and STEM projects that offer community service opportunities. Cultural awareness and teaching students about stereotypical bias is not evident, which is not a strength of this curriculum.

EnVision 2.0 for Accelerated 7th grade is a comprehensive curriculum for the Common Core State Standards and Math Practices, with balance in rigor for conceptual and procedural applications in real world and abstract contexts. Conceptual understanding and fluency is well balanced, as is the rigor of the content. Overall, I feel like it is a good resource for the students in New Mexico.

Reviewer #32 background and experience: Level II Educator with a Bachelor of Science Degree in Elementary Education K-8 with an endorsement in Science. Previous 7th grade Science teacher. Currently teaching 6th grade, all subjects with 7 total years of teaching experience. 2 years teaching 6th grade math only. I have served as a lead teacher for 4 years and have served on the Instructional Leadership Team for 4 years.

Professional summary of material:

The enVision Math 2.0 Grade 7 Accelerated Curriculum is a well-designed curriculum that combines content from 7th and 8th grade. The curriculum is aligned to the Common Core Standards for the overlapping standards in 7th and 8th grade. The standards are not listed in the teacher guide but are instead combined, which could be challenging for teachers to use.

Envision 2.0 provides a variety of instructional resources. The Program Overview includes a user’s guide, CCSS correlation, and a content guide with a scope and sequence. This helps to navigate through the curriculum easily. The Teacher’s Edition includes guidance for each lesson and includes an online version. Each lesson includes differentiation for students that may need additional support. Resources are available for pre and post assessments, which include automatic scoring for appropriate remediation if necessary. The digital materials online are extensive, including professional development and access to flexible lesson planning, progress monitoring, and additional practice for students.

Reviewer #33 background and experience:

Level II Educator K-8 and 7-12 Secondary Licensure with endorsements in Social Studies and Math for both licenses. I have 4 Master Degrees. I have a Master of Arts in Sociology from NMSU, Master of Education: Secondary Education from ENMU, Master of Arts in Teaching from ENMU, and a Master of Arts in Education: Curriculum and Instruction from NMSU. Also have a Bachelor of Business: Minor in Finance and Management from NMSU. Previous Middle School 8th grade Math teacher for 2 year.

Current High School Math Teacher and Math Department Head for 5 years. I have taught and currently teach Algebra I, Algebra II, Geometry, Pre-Calculus and Calculus AB /BC. Currently, I am NM Golden Apple Teacher Nominee.

Professional summary of material:

The enVision Math 2.0 Accelerated Grade 7 instructional materials contain a variety of instructional resources. EnVision 2.0 is rich in teacher and student resources. The teacher edition provides teachers with suggestions for implementing the curriculum and differentiating instruction. Along with the text, teachers and students have access to an online version of the text. The online resources allow teachers to accommodate students who are in need of additional practice with the ability to include remediation, practice and enrichment activities, and support for English Language Learners and struggling readers. Customized plans can be designed for students as well at the online site. Teachers have access to instant and ongoing data from assigning online quizzes and assessments. These assessments are automatically scored and the program will assign necessary materials for students based on their performance on the assessment results. Teachers can design instruction in print, digital, or blended classrooms. The lessons and topics contained with the curriculum are grade level appropriate and provide for recalling prior knowledge needed, current knowledge to be learned, and future learning to come within the topic. The materials include major content, supporting content, as well as additional content. The lessons contained within this curriculum are aligned to the Common Core State Standards and are grade level appropriate. The material include a limited cultural and linguistic perspective throughout the materials.