

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	9780328896158	TE ISBN	9780328880966
SW ISBN	N/A	Grade Level/Content	Grade 6

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 X Not Recommended _____

Total Score

Reviewer #31 ____80%____	Reviewer #32 ____89%____	Reviewer #33 ____82%____	
Reviewer #37 _85%_____	Reviewer #38 ____85%____	Reviewer #39 ____84%____	Average Score ____84%____

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

Reviewer #31 ____81%____	Reviewer #32 ____90%____	Reviewer #33 ____86%____	Average Score ____86%____
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Materials align with grade level standards.

Statements of appraisal and supporting evidence:

- Both Teacher and Student Editions have lessons that support the grade level content domain requirements: Ratios and Proportional Relationships, The Number System; Expressions and Equations, Geometry, and Statistics and Probability.
- The materials provide lessons that have supporting standards, as well as additional standards.
- Online resources are available for additional practice with the grade level content.
- The Teacher Edition provides valuable information for teachers to further student understanding using multiple methods of delivery.

IM= Instructional Material SE= Student Edition TE= Teacher Edition SW= Student Workbook

- Each lesson suggests extensions and strategies for intervention, enrichment, and supports for ELL.
- The teacher overview provides alignment documents in different formats by standard, by topic, and by quarter.

Materials align to standards for mathematical practice.

Statements of appraisal and supporting evidence:

- Throughout the lessons, activities denote opportunities for students to use the math practices.
- In the Teacher Edition, there is a math practices teacher page which offers an overview of the standards, instructional strategies, and student behaviors to be aware of during the lesson.
- At the beginning of the Student Edition, there is a math practices and problem solving handbook which lists all the standards with bullets to help students understand the Standards for Mathematical Practice term, “mathematically proficient student”.
- The student math practices pages have examples of problems that model appropriate student engagement with the math practices.

Materials show aspects of rigor.

Statements of appraisal and supporting evidence:

- There is fluidity to the lessons. Students move back and forth through conceptual, procedural, fluency and application using direct instruction (procedural), practice (fluency), STEM, real-world application and 3-Act activities to increase conceptual understanding across more than one standard.
- The Teacher Edition has a section at the beginning of each topic section that lists the aspects of rigor contained within the topic, how it is achieved, and in which lessons it is present.
- There are fewer displayed aspects of rigor in quarter 2 than quarters 1, 3 and 4.

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
__86%__

Reviewer #32
__75%__

Reviewer #33
__61%__

Reviewer #37
__90%__

Reviewer #38
__93%__

Reviewer #39
__82%__

Average Score
__81%__

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

Statements of appraisal and supporting evidence:

- Both Teacher and Student Editions have lessons that support the grade level content domain requirements: Ratios and Proportional Relationships, The Number System, Expressions and Equations, Geometry, and Statistics and Probability.
- The Teacher Edition materials provide lessons that include supporting and additional content.
- Online resources are available for continued practice within the grade level content with extensions to the lessons.
- The Teacher Edition provides valuable information to further student understanding, including multiple methods of delivery. Each lesson has extensions and strategies for intervention, enrichment, and supports for ELL.

Materials support student learning of mathematics.

Statements of appraisal and supporting evidence:

- The lessons in the Mathematic Diagnostic Intervention System (MDIS) offer opportunities for remediation online and in print.
- The Teacher Edition provides suggestions for teachers to plan intervention as well as strategies for ELL students.
- The Teacher Edition provides posed questions that teachers can use to engage students and lead their thinking in a specific direction.
- At the beginning of each lesson, the “Solve and Discuss it” activities provide students the chance to explore a real world context and activate prior knowledge before learning procedural skills.
- The Teacher Edition provides multiple “look fors” and strategies for teachers to help students move forward through questioning, prompts, modelling, etc.
- The curriculum is grounded in Best Practices and cites the Effective Mathematical Strategies, such as Project Based Learning opportunities, Visual Learning, and Literacy Support.

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
___78%___

Reviewer #32
___88%___

Reviewer #33
___76%___

Average Score
___81%___

Materials are consistent with the progressions in the standards.

Statements of appraisal and supporting evidence:

- The lessons within the curriculum are designed with progression in the standards.
- The topics are designed to include major content, supporting content, and additional content.
- The Teacher Overview Guide identifies the connection between each standard within 6th grade and with subsequent 7th and 8th grades.
- Each lesson in the Teacher’s Guide shows the coherence aspect of rigor with connections to prior year standards and the current lesson, as well as the progression towards 6th grade content and beyond.
- The sequence of lessons provides an appropriate progression through the year.

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

Statements of appraisal and supporting evidence:

- The lessons are designed to provide for essential understanding of the topic being studied and to satisfy the grade level standards.
- The lesson overviews provide explanation of the aspect of rigor and references when aspects are met within the topic and lesson.
- For coherence within the single grade, the authors have included prior learning and future learning in the coming lessons for the topic.

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

Statements of appraisal and supporting evidence:

- Each lesson in the Teacher Edition begins with a description of the prior grade knowledge, the current lesson knowledge, and future lessons in the topic.
- Each lesson in the Teacher Edition guides the teacher before, during, and after the lesson.

- Footnotes in the teacher’s guide provides direct response to intervention and enrichment, which is embedded in the lesson and connected to definitive examples.
- The Teacher Edition contains a suggested pacing guide that provides for extra days for intervention, if needed.

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

Statements of appraisal and supporting evidence:

- Online quizzes provide instantaneous data for student understanding and auto-assigns content the student needs.
- Additional practice is provided online and it is scored automatically.
- ExamView can be used by teachers to create additional topic assessments.
- The Online Assessments are autoscored and provide immediate data.
- All assessments are customizable for class or individual students by reordering, deleting, or adding problems.

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

Statements of appraisal and supporting evidence:

- Each lesson has some problems following model problems, practice problems, review problems, and extra practice that can be done online through many mediums.
- Online resources have games and math tools that offer additional activities.
- Differentiated intervention helps to reteach, build understanding, provide additional support, and build mathematical literacy.
- Additional practice that is auto scored can be accessed online.
- Each lesson provides teachers with suggestions for aiding ELL students.
- Each lesson includes a “key concept” portion that restates the concept and procedural strategy, and then directs students to prove comprehension and practice to build procedural fluency through conceptual understanding.

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:

- Pearson Bounce is a useful tool for students to receive online explicit instruction. (Caution: the app is very useful, but can be cumbersome for students to use- scanners require precision)
- The Virtual Nerd app can be used to access instructional tutorials. (TE, p. 238A)
- Multimedia access is available through computers, tablets, and smartphones.
- Teachers can set up chat rooms for online discussions and collaboration.
- All lessons, activities (STEM, 3-Act Math), and resources (Virtual nerd, Math Games, Bounce) have online accessibility.
- The Instructional Video tutorials are accessible for students through multimedia platforms for clarification of lessons.

Materials can be easily customized for individual learners.

Statements of appraisal and supporting evidence:

- The online resources allow teachers to assign work to students individually or as whole group.
- The online assessments and quizzes automatically set remediation, practice, or enrichment based on student performance.
- Each assessment includes item analysis by standard and depth of knowledge (rigor of question) with suggestions for remediation that teachers can assign individually or as a class.

- The Teachers Edition provides footnotes which offer additional examples with focused questions, error intervention, challenge, differentiated intervention, vocabulary and literacy support, and 3 levels of ELL support with online access for each.
- The customizable lessons allow teachers to adhere to specific students' Individualized Education Plans through embedding modifications and accommodations within the lesson plan.
- Vocabulary support offers ways for struggling students to learn academic language through pictures and examples.

Materials take into account cultural perspectives.

Statements of appraisal and supporting evidence:

- The materials provide suggestions and options for teachers to adjust instruction for ELL students.
- The Glossary in the Student Editions, vol 1 and vol 2, are in both English and Spanish.
- Parent letters are in both English and Spanish.
- The instructional materials do not show a great deal of cultural sensitivity.

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. I served as an Instructional Coach, 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. I currently serve as the Math department head and New Teacher Mentor.*

Professional summary of material:

EnVision Math 2.0 is a research based curriculum that is well aligned to the Common Core State Standards and Standards for Mathematical Practice. I found no gaps in the coverage of standards and practices are embedded throughout the student activities. **The Scope and Sequence** is very well planned, with a great progression of concepts that build on each other and expand as the year progresses.

The **teacher edition** provides detailed discussion into the pedagogy, standards and 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 Mathematical 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; they are 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.

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 6th 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:

enVision Math 2.0 is a well designed curriculum that is aligned to the grade level Common Core State standards as well as the Standards for Mathematical Practice. enVision Math 2.0 is a rigorous program that uses problem-based learning to develop conceptual understanding of new mathematical content. 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 teachers 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 who 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 1, Algebra 2, Geometry, Precalculus and Calculus AB/BC.*

Professional summary of material:

The enVision Math 2.0 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 including remediation, practice and enrichment activities, support for English Language Learners, and support for struggling readers. Customized plans can be designed for students. 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 within the curriculum are grade level appropriate and address 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.

Reviewer #37 background and experience: Level III teacher 21 years experience teaching grades 1-8. Most years teaching grades 6-8 with an emphasis on Math. I have taught in Northern New Mexico all of my years. I am a member of the Math Teacher Leader Network and have participated in PD with the Math and Science Academy through Los Alamos National Labs focusing on CCSS and Methods of Teaching.

Professional summary of material:

The Mathematical Content section of the Pearson enVision Math curriculum met almost all of the criteria listed. Some of the citations did not completely demonstrate the exact content. However, overall, the material was easy to manipulate and the citations were easily found. The content was rich and there were a wide variety of activities that promote discourse and problem solving among students.

Reviewer #38 background and experience: Level II teacher, 24 years experience teaching grades 7-8 math teaching 18 years in Texas. Currently, this is my 6th year in New Mexico. I teach in a small district in Southeast New Mexico.

Professional summary of material:

Overall, the Math Content Review section of the Pearson enVision2.0 resources met the criteria. The resources offers support for teachers and has available material to help teachers in the delivery of the lessons. There were resources available to help parents and teachers communicate. There were paper and digital resources available for teachers and students.

Reviewer #39 background and experience: Level III teacher with 17 years experience teaching grades 7-8 in Southern New Mexico

Professional summary of material:

The Math Content section of the Pearson enVision Math curriculum meets the 8th grade Common Core Standards. The Mathematical Practices are also addressed in the curriculum. The scope and sequence of the curriculum follows a progression that also addresses the previous standards and skills that the students will need. Students engage in problem solving and discourse.

Review Team Appraisal of Title

(K-8 Mathematics)

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

IM Title	enVision Math 2.0	Publisher	Pearson Education
SE ISBN	9780328896202	TE ISBN	9780328880973
SW ISBN	N/A	Grade Level/Content	Grade 7

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 X Not Recommended _____

Total Score

Reviewer #31	Reviewer #32	Reviewer #33	Average Score
<u> 88.33% </u>	<u> 87.50% </u>	<u> 80.67% </u>	<u> 85.50% </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> 89.71% </u>	<u> 89.22% </u>	<u> 81.86% </u>	<u> 86.93% </u>

Materials align with grade level standards.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> Content within the curriculum has been developed to represent the aspects of rigor and common core domains of the grade level. Lessons within the curriculum provide alignment with grade 7 standards. Standards are grouped into content clusters based on major, supporting, and additional content.
Materials align to standards for mathematical practice.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> Each lesson throughout the topics provides documentation of mathematical practices. To help students build on and enhance their thinking and habits mathematically, a Math Practices and Problem Solving Handbook is provided.

- Sample problems are presented within the student pages of the math practices to aid in student engagement with the standards practices.
- Modeled mathematical questions and answers are provided within the student handbook.
- Teacher edition provides instructional strategies to aid in student enhanced and refined thinking skills.

Materials show aspects of rigor.

Statements of appraisal and supporting evidence:

- Lessons provide statements for aspects of rigor contained within the overview.
- Conceptual, procedural, fluency and application aspects of rigor are achieved using direct instruction (procedural), practice (fluency), STEM and examples that use real-world application and 3-Act activities that increase conceptual understanding across more than one standard.
- The Teacher Edition has a section at the beginning of each topic section that lists 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
__89.29%__	__78.57%__	__78.57%__	__82.14%__

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

Statements of appraisal and supporting evidence:

- Teacher and student edition lessons support the grade level content domain requirements: Ratios and Proportional Relationships, The Number System, Expressions and Equations, Geometry, and Statistics and Probability.
- Scope and Sequence contained within the TE Program Overview provides for connection between the standards developed for 6th, 7th, and 8th grade levels.
- Within the correlation section of the TE Program Overview, Common Core Standards are listed and associating lessons are identified for both the teacher and student edition.
- Online resources are available for additional practice with the grade level content as a possible delivery method.
- Teacher edition provides valuable information for teachers to further student understanding and in multiple methods of delivery strategies. Each lesson has extensions on the lessons and strategies for intervention, enrichment, and supports for ELL.

Materials support student learning of mathematics.

Statements of appraisal and supporting evidence:

- Strategies for ELL and for intervention and enrichment are presented in the teacher’s edition as supports.
- Posed questions are presented throughout the lessons within each topic to get students thinking deeper and more critically, as well as to engage students in the content.
- Online materials are provided for students to get additional supports.
- Teachers can assign additional practices to struggling students.
- Working with vocabulary assignments are presented at the beginning of lessons to engage student learning and encourage use of mathematical terms.

IM= Instructional Material SE= Student Edition TE= Teacher Edition SW= Student Workbook

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 84.76%	Reviewer #32 84.76%	Reviewer #33 78.05%	Average Score 82.52%
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Materials are consistent with the progressions in the standards.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> ● Progression in the standards is one focus of the lessons throughout the curriculum. ● Major, additional, and supporting content are a factor within each content area and supported through taught lessons within the topic. ● Lessons provide before, current, and future lesson knowledge to show progression in the standards.
Materials foster coherence through connections at a single grade, where appropriate and required by the standards.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> ● Current lessons being studied provide coherence through a single grade level (current level) focused to accommodate learning of the standards. ● Coherence pieces 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 is activated at the beginning of each topic to make connections between previous lessons and current concepts. ● Lesson overviews contained within the teacher edition provide a list of the aspects of rigor met within each lesson.
Materials are well designed and take into account effective lesson structure and pacing.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> ● Descriptions of prior grade knowledge, current grade knowledge, and future lesson knowledge that will be gained throughout the topic are provided to foster effective lesson structure and pacing. ● The TE Program Overview provides teachers with a suggested pacing guide that can be customized to each teacher’s preference. ● Pacing Guide allows for additional days to be included within the curriculum to allow for intervention or enrichment opportunities. ● 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 may be.
Materials offer teachers resources and tools to collect ongoing data about student progress on the standards.
<p><i>Statements of appraisal and supporting evidence:</i></p> <ul style="list-style-type: none"> ● Online quizzes provide instant data for student understanding and auto assign content that the student shows a need in.

- Additional practice is provided online and is scored automatically.
- ExamView can be used by teachers to create additional topic assessments.
- Online Assessment are autoscored and provide immediate data.
- 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:

- Immediately following the examples, a specific portion of the lesson is devoted to the key concept, including a snapshot overview then comprehension and practice questions for students to apply the concept and write about it.
- The design of each lesson guides teachers through launching the topic, examples, possible misconceptions and error analysis through embedded questioning and footnotes, directing teachers to strategies to support learning.
- The pacing and sequence of lessons is appropriate and allows ample time and engagement opportunities to enable all students to be successful.

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:

- Teachers have a wide variety of digital resources: online Teacher edition, assessments, intervention support, etc.
- Teachers have a variety of professional development to build content and pedagogical support.
- Students have online accompaniments to lessons: STEM and 3-Act videos and lessons, games, Bounce (accessible by scanning textbook pages), virtual nerd tutorials, etc.
- MathXL offers study guides, quizzes, and tutorials by standard or by lesson and can be teacher or student driven.
- All components are available in multiple platforms—desktop, tablet, smartphone—and work well with most browsers (some components work better through Chrome).
- Chat rooms that are set up and monitored by the teacher are available within the Pearson Realize website.

Materials can be easily customized for individual learners.

Statements of appraisal and supporting evidence:

- Multiple modes of delivery are suggested, offering multi-level opportunity to customize delivery.
- Auto-assigning intervention is available for assessment results on tests taken online.
- Item analysis for assessments offer teacher-driven intervention opportunities.
- Footnotes in the Teacher’s Edition showcase additional examples, focused questions, error intervention based on common misconceptions, extension, literacy support, etc. for differentiation and accommodations.
- Online component is fully editable in lesson plans and in assessments.
- Vocabulary support is available with pictures, examples, and ways to represent understanding.

Materials take into account cultural perspectives.

Statements of appraisal and supporting evidence:

- There are leveled instructional strategies for teachers to use for supporting students who are English Language Learners (ELL).
- Resources for parents and vocabulary support are in English and in Spanish.

- Mainstream societal culture is prevalent throughout the materials. There is some reference to minority cultures, regional cultures, etc., but not to an extent that would justify claims that the materials take into account cultural perspective.

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 is a research based curriculum that is well aligned to the Common Core State Standards and Standards for Math Practices. I found no gaps in the coverage of standards, and practices are embedded throughout the student activities. **The Scope and Sequence** is very well planned, with a great progression of concepts that build on each other and expand as the year progresses.

The **teacher edition** provides detailed discussion into the pedagogy, standards and 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 Practices 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; they are 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.

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 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:

enVision Math 2.0 is a well-designed curriculum that is aligned to the grade level Common Core State standards as well as the Standards for Mathematical Practice. enVision Math 2.0 is a rigorous program that uses problem-based learning to develop conceptual understanding of new mathematical content. 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, PreCalculus, and Calculus AB/BC.

Professional summary of material:

The enVision Math 2.0 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 as 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.

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	9780328896257	TE ISBN	9780328880980
SW ISBN	N/A	Grade Level/Content	Grade 8

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>88.83%</u>	<u>92.67%</u>	<u>90.00%</u>	<u>90.50%</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>90.27%</u>	<u>95.28%</u>	<u>91.10%</u>	<u>92.21%</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. Table of Contents is divided by topic and highlights major, supporting, and additional clusters that are included within those topic areas for the 8th grade level standards. Standards for the topic are listed in a circle chart and divided by lessons for 8th grade. Lesson Overviews provide connection to prior grade knowledge for content currently being studied under the 8th grade curriculum.
Materials align to standards for mathematical practice.
<p><i>Statements of appraisal and supporting evidence:</i></p>

- Math practices that are addressed and implemented in the proposed activities in the lesson are clearly defined at the beginning of each lesson throughout the curriculum.
- A student handbook is included in each of the student editions that provides students with modeled math problems and answers that show met 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.
- Math practices are identified in the Table of Contents with each lesson included within topics.
- The teacher edition provides instructional strategies to enhance and refine student thinking habits.

Materials show aspects of rigor.

Statements of appraisal and supporting evidence:

- Lesson overviews for each lesson have listed the three aspects of rigor: Focus, Coherence, and Rigor that are addressed in that lesson.
- Teacher edition has a specific section dedicated to the aspects of rigor at the beginning of each lesson labeled as “Math Background”.
- 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.

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>85.71%</u>	<u>82.14%</u>	<u>85.71%</u>	<u>84.52%</u>

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

Statements of appraisal and supporting evidence:

- Student and teacher edition satisfy grade level domain content.
- Strategies for intervention, enrichment, and supports for ELL has extensions in each lesson as suggestions. Teacher edition provides valuable information for teachers to further student understanding and in multiple methods of delivery strategies.
- 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.
- 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.

Materials support student learning of mathematics.

Statements of appraisal and supporting evidence:

- 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 questions to pose to engage students in the content and to get them thinking deeper and critically in relation to the topic content.

- 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.

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%_____	_87.80%_____	_87.80%_____	_87.20%_____

Materials are consistent with the progressions in the standards.

Statements of appraisal and supporting evidence:

- Lessons are identified as major, supporting, and additional clusters to provide cohesion within the standards addressed within the curriculum.
- 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.

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:

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

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

Statements of appraisal and supporting evidence:

- 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 that the student 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.
- Additional practice resources are available online and are scored automatically upon completion.
- ExamView can be used by teachers to create additional practice or assessments.

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 is 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 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:

- 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.
- Teachers have access to creating customized lessons, assignments, and assessments for individual learners through the text website.
- Study plans can be created for individual students to provide additional support in their learning, both in digital and print resources.

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: The materials lack a 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. I served as an instructional coach, and provided assistance to MC2 Summer Institute as a facilitator of teacher learning. Was a member of the Leadership Institute of Teachers (LIFT) through MC2. Currently serve as the Math department head and New Teacher Mentor.

Professional summary of material:

EnVision Math 2.0 is a research based curriculum that is well aligned to the Common Core State Standards and Standards for Math Practices. I found no gaps in the coverage of standards and practices are embedded throughout the student activities. The Scope and Sequence is very well planned, with a great progression of concepts that build on each other and expand as the year progresses.

The teacher edition provides detailed discussion into the pedagogy, standards, and 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 Practices 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; they are 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. Caution should be used with the student links, as some errors have been noted.

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 8th 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:

enVision Math 2.0 is a well-designed curriculum that is aligned to the grade level Common Core State standards as well as the Standards for Mathematical Practice. enVision Math 2.0 is a rigorous program that uses problem-based learning to develop conceptual understanding of new mathematical content. 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.

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years. I have taught and currently teach Algebra I, Algebra II, Geometry, PreCalculus, and Calculus AB/BC. Currently a NM Golden Apple Teacher Nominee.

Professional summary of material:

The enVision Math 2.0 Accelerated Grade 8 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 within 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.