

Head to Head

Our New High School Math Solution Beats Legacy

ELEMENTS	LEGACY	NEW HIGH SCHOOL MATH SOLUTION
Blended Approach	<ul style="list-style-type: none"> 60/40 split (60% textbook, 40% software) Multiple books JAVA-based 	<ul style="list-style-type: none"> Materials intentionally designed to support 180 days of instruction that blends Learning Together with Learning Individually <ul style="list-style-type: none"> Learning Together: Text, with Assignments incorporated in each lesson Learning Individually: with technology (MATHia); without technology (Skills Practice) New JAVA-free MATHia (launched in May 2016) is an impressive upgrade over the legacy MATHia Software, making for a much more compelling and attractive software option for Learning Individually
Organization	<ul style="list-style-type: none"> 15–16 chapters in each Course Below grade level content included High page count 	<ul style="list-style-type: none"> Each Course now organized by five Modules All below grade level content removed and will be made available for teachers via the Resource Center or Lessoneer—easier to focus Book size dramatically decreased and more approachable and manageable for students and teachers
Common Core and State Standards	Covered the Standards, but missed a few here and there	<ul style="list-style-type: none"> Reorganized the mathematical content to better align with the assessment documents Standards in each lesson are more focused Analyzed the Progression document and released assessment
Layout, Student Book	Lessons contained activities and some lessons contained Talk the Talk	<ul style="list-style-type: none"> Each lesson has the same structure: <ul style="list-style-type: none"> Getting Started Activities Talk the Talk Lessons span 1–3 days, explicitly defined in the Teacher’s Implementation Guide (TIG)
	Warm Up included in TIG only	Warm Up is now included on the lesson opening page
	Check for Understanding included in the TIG	The types of questions asked in the Check for Understanding section are incorporated into each Talk the Talk
	Assignments included in separate book	An assignment is included in the Student Edition (SE) after each lesson: <ul style="list-style-type: none"> Write Remember Practice Stretch Review (spaced review and linking back to prior knowledge)
	Skills Practice workbook available	<ul style="list-style-type: none"> Skills Practice workbook will more closely mirror the same content that is available in MATHia Layout has also been improved so the book doesn’t appear so daunting

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Student-Centered, Collaborative Learning	Icons included for discuss, pair, share	Icons removed from grouping to make room for Practice Standards
	Support for collaborative learning provided only through Ed Services	<ul style="list-style-type: none"> • TIG will include suggestions for grouping students and alternative ways of grouping students • Additional resources included to support our teachers with implementation of collaborative learning, e.g., Why is it important? How do I group kids? As a student, what is my responsibility in my group?
Spanish Student Editions	Not included	<ul style="list-style-type: none"> • Spanish versions of the Student Editions will be available on the Resource Center for all High School Math Solution customers • MATHia animations and Unit Overview videos feature Spanish close captioning
Teacher Materials	Minimal pacing information	<ul style="list-style-type: none"> • Each lesson marked with the number of instructional days (1 day = 45 minutes) for implementation • Separate pacing document will be available to show the total number of days for learning together and learning individually • EdCaliber (Lessoneer) to include a calendar mapping of lessons for the school year
	<ul style="list-style-type: none"> • Chapter Overview provided • Course content map provided in the Resource Center • Table describing Skills Practice highlights included 	<ul style="list-style-type: none"> • Module Overview will include sections to answer each question: <ul style="list-style-type: none"> • Why is this Module named ... ? • What is the mathematics of ... ? • How is this module connected to prior learning? • When will students use knowledge from this module in future learning? • Table to describe the topics included, standards, pacing, and highlights • Table to describe the learning independently content available • Topic Overview will include sections to answer each question: <ul style="list-style-type: none"> • How is this topic organized? • What is the entry point for students? • How does a student demonstrate understanding? • What is this topic important? • How do the activities support the SMPs? • Materials list • Table to describe the highlights of each lesson with pacing information • List of concrete and visual representations used • Table to describe the content available for learning individually both with and without technology
	Description of SMPs with 1 example included in the TIG	<ul style="list-style-type: none"> • Each activity includes an icon to indicate the SMP focus. There are 4 different icons: <ul style="list-style-type: none"> • Precision (6) • Reasoning and Explaining (2 and 3) • Modeling and Using Tools (4 and 5) • Seeing Structure and Generalization (7 and 8) • SMP 1 is embedded in our approach!

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Teacher Materials (cont'd)	Guiding questions included in the margins	<p>Teacher notes will read more like a script. For each part of the lesson the teacher will be provided running text that will appear before each lesson to include:</p> <ul style="list-style-type: none"> • Lesson Overview • CCSS • Essential Questions • Overview for the Getting Started, each activity and the Talk the Talk Facilitation Notes will include: <ul style="list-style-type: none"> • In this activity, ... • Grouping suggestions • Questions to ask • As students work, look for ... • As students share, look for ... • Differentiation Strategies • Misconceptions (where applicable) • Summary statement
	Chapter summaries included	Topic Summaries will be included
Parent Resources	Some content available on the Resource Center	<p>A one-page topic summary will be included in the Student Book for parents, making the school-to-home connection stronger. The contents will include:</p> <ul style="list-style-type: none"> • What are they learning? • How are they learning? • Why is this important? • What representations will my students be using? • How can I help? • How does this apply to STEM careers?
Learning Support	Not included	<ul style="list-style-type: none"> • One-page documents are being created to provide all stakeholders (administrators, teachers, students, and parents) support in understanding how to help students learn • Under development, but up for consideration: <ul style="list-style-type: none"> • Communication (internal and external dialogs) - self-explanation • Supporting a Positive Outlook • Why does this look different? • Making it stick! • Collaborative learning guides
Assessments	Available on the Resource Center and via Edulastic	<ul style="list-style-type: none"> • Authoring new items and developing more than one form of each test. We are not including mid-chapter assessments with this release • Available online and through Edulastic through the MyCL portal page • Enhanced Edulastic assessment banks so the questions can be dynamically changed and administered online