Hi, today we will explore the enVisionmath2.0 features that provide assessment support. We will begin with the assessment planning resources and then examine a variety of diagnostic, formative, and summative assessments that help inform instruction. We will also look at the digital assessment resources to help meet your instructional needs, as well as how to access data from online assessments.
Planning for Assessment

Effective assessment begins with planning and includes a review of resources available to help guide instruction. In the Teacher's Edition Program Overview you'll find an assessment chart. The chart provides an overview of the diagnostic, formative and summative assessments available to help you identify and evaluate the appropriate resources and plan instruction.
Diagnostic Assessments

Assessment support starts at the beginning of the year with a variety of diagnostic assessments. You can diagnose your students’ strengths and weaknesses with the **Beginning of the Year Assessment**. The online version of this assessment, available on PearsonRealize.com, is auto-scored with differentiated interventions automatically assigned to your students based on their scores.

Similarly, you can use the **Topic Readiness Assessment** to diagnose your students’ proficiency with topic prerequisite concepts and skills. The results from the online version of this assessment can be used to generate a personalized Adaptive Study Plan. The plan contains additional instruction and practice tailored to your students’ specific learning needs.

You also have the option of starting each topic with **Review What You Know**, a short assessment included in the student edition that allows students to check their understanding of previously learned concepts. These questions activate and assess the prior knowledge needed for the upcoming topic. Students can access and print the assessment online as well.

Use the **Math Diagnosis and Intervention System** - or MDIS 2.0 - to identify and diagnose students’ misconceptions and assign appropriate intervention on or below grade level. Use the provided lessons to supplement your own teaching or as a stand-alone intervention. A teacher’s guide is included and contains individual and class record forms along with correlations to the Student Edition lessons. The two-page lessons include guided instruction followed by practice. The MDIS 2.0 is available online as a PDF through Pearson Realize™. Throughout the year, you can also use the **Item Analysis for Diagnosis and Intervention** alongside formal assessments to help you identify the standards students haven’t mastered yet and choose appropriate interventions.
Formative Assessments

Closely monitor your students' progress throughout every lesson with a variety of formative assessments. At the start of each lesson, during Problem-Based Learning, you'll find suggested questions in your Teacher's Edition to check student understanding and guide instruction.

During the Visual Learning portion of the lesson, you can use the Try It and Convince Me to assess your students' understanding of the skills presented. The results can be used to differentiate instruction as needed.

Have your students complete the Do You Understand and Do You Know How so you can verify comprehension directly after the instruction. Use your students' responses to assess their conceptual understanding and procedural fluency of the lesson content. The information from these assessments can be used to review a specific skill or revisit content from the lesson.
Ongoing formative assessments continue throughout the lesson, allowing you to prescribe appropriate instruction. Use your students' work from the Practice and Problem Solving section to assign differentiated instruction. These exercises also provide opportunities for your students to engage in specific math practices (Common Core Standards of Mathematical Practice) as they solve a variety of problems in performance-based assessments.

Every lesson also includes Common Core **Assessment Practice** items in specialized formats to help students prepare for high-stakes Common Core tests.

At the end of a lesson, in the Assess & Differentiate section, use the **Lesson Quiz** to assess students' understanding of the lesson’s skills and concepts. The online version of the Lesson Quiz is auto-scored, and provides auto-assigned interventions or enrichment for your students via resources in the differentiation library that include:

- Visual Learning Animation Plus videos,
- Digital Math Tools and Math Games,
- Reteach to Build Understanding worksheets,
- MDIS Intervention Lessons,
- envisionSTEM activities,
- Additional Practice & Problem Solving, and
- Online practice with Math XL for School®.
Summative assessments are available to evaluate your students' learning at the end of a topic or group of topics. Have your students take the Topic Assessment in their student editions or online through Pearson Realize™ to analyze their mastery of concepts at the end of a topic. The assessments contain multiple-choice and drag-and-drop responses to help students prepare for the next generation of high-stakes tests. Print versions also contain short-answer items. Your students can also take alternative versions of the Topic Assessment found in the Assessment Sourcebook.

Another summative assessment includes the performance-based topic assessments. Assign the Topic Performance Assessment at the end of each topic. This assessment includes several multi-step questions that require students to use problem-solving skills.

Give the Cumulative/Benchmark Assessment at the end of a group of topics. Use this information to determine whether your students have mastered the content taught in the last series of topics or require additional instruction. Use the Scoring Guide and an RtI Item Analysis for Diagnosis and Intervention in your Teacher's Edition eText to identify appropriate intervention lessons. The online version of these tests provides automatic scoring-on Pearson Realize™. Again, you can use the results from these assessments to assign your students remediation or enrichment activities from the differentiation library.

The End-of-Year Assessment provides an opportunity for you to assess your students' understanding of skills and concepts taught throughout the year. This assessment can also help students revisit some of the most important skills and reactivate previous learning for improved retention.
Digital Assessment Resources

Take advantage of the flexibility built into the digital resources on Pearson Realize™ by customizing online assessments to meet your needs. You can change settings, add or remove questions, and edit the content of the questions and answer choices. To explore these options, simply select the Customize option for a given assessment. You can also customize assessments by adding questions from a bank of test items, categorized by a specific standard or via the Key Word search.

There’s also an option to add your own content. Simply select the Create content option from the table of contents or topic-level screen, then select Upload a file, Add a link, or Build a test from the drop-down menu.

You can also create assessments, quizzes, and worksheets with the ExamView® test generator. Find multiple-question formats, pictures, tables, graphs, and charts when you download and install this software.
Access Data

You can access a variety of auto-generated assessment reports on Pearson Realize™ by selecting the Data option from the Home page. The reports show mastery, progress, and usage data to help you monitor progress and inform instruction.

The Mastery graph shows test scores and standards skill mastery for your class and students. Click on the graph to view detailed mastery or item analysis data. The Progress graph identifies which students have completed an assignment and the Usage graph shows time spent on assignments. You also have the option to view class results by assignment or by standard. Click a student’s name to find individual student information on specific standards along with available resources to support those standards.
Today we explored the enVisionmath2.0 features that provide assessment support. We started with the assessment planning resources and then examined diagnostic, formative, and summative assessments that help inform instruction. We also looked at the digital assessment resources and reviewed how to access data from online assessments.

For additional resources, please visit MyPearsonTraining.com.