Implementing the Common Core State Standards

Introduction

This guide explains how to meet the Common Core State Standards for Mathematics (CCSSM) with Prentice Hall Mathematics: Courses 1, 2 and 3 and Algebra Readiness. It looks at the Common Core curriculum resources that Pearson has integrated into the program, so that you can prepare for a successful implementation.

Common Core Program Resources

Prentice Hall Middle Grades Mathematics Common Core Edition, or Middle Grades Math, is a program built especially for middle school students with full alignment to the CCSSM.

Common Core lessons are included in the Middle Grades Math © 2012 student edition. Teacher support and pacing for these lessons can be found in the Teacher’s Edition.

All Common Core program resources are also available online, so that current users of the Middle Grades Math © 2010 Edition have full access to Common Core lessons and materials. To see some examples, go online to Pearson SuccessNet and see where you access your Common Core program resources.
Implementing the Common Core State Standards

Click the Worksheet Center link to download Implementing the Common Core State Standards Teacher Resources, Supplemental Lessons, and Teacher Support for Supplemental Lessons.

These resources contain instructional guidance for both the Standards for Mathematical Practice and the Standards for Mathematical Content, which are the two sets of standards that make up the CCSSM.

First, look at the Standards for Mathematical Practice and learn how they are embedded in each lesson.

Standards for Mathematical Practice

The CCSSM articulate standards of mathematical practices that describe characteristics of mathematically proficient students. Focusing on these eight practices will help your students develop mathematical behaviors. You will find opportunities for students to practice these behaviors daily.
Make Sense of Problems and Persevere in Solving Them

For example, consider the first mathematical practice: Make sense of problems and persevere in solving them. One of the foundational themes of Prentice Hall Middle Grades Math is problem solving. In the Problem-Solving Handbook, found in the front matter of the student edition, students are reminded to understand the problem or make sense of the problem. Guided-Problem Solving leads students to make sense of the problem presented, analyze the givens, and develop a solution plan.

Construct Viable Arguments and Critique the Reasoning of Others

Another mathematical practice asks students to construct viable arguments and critique the reasoning of others. Every chapter includes a More Than One Way feature, where students analyze and critique the solution plans and reasoning of two students, each of whom presents a different solution plan for the same problem.
Use Appropriate Tools Strategically

Students use appropriate tools strategically when they use various manipulatives, measuring devices, and technology tools in the Activity Labs. By developing fluency in the use of different tools, students are able to select the appropriate tools to solve a given problem.

The Choose a Method exercises strengthen students’ ability to articulate the difference in use of various tools.

Observation Protocol

Look in your Teacher Resources for many more opportunities for students to develop proficiency in the mathematical practices. Notice how the specific program features that support each practice are highlighted in blue. After you read about the supporting features, you will see a selection of pages in your Teacher’s Edition that gives students an opportunity to put the standard into practice.

As students apply the standards, you will want to use the Observation Protocol to evaluate your students’ level of proficiency. This useful tool gives you a list of evident characteristics to look for as you observe your students. You will also want to use this observation tool for daily formative assessment during your instruction.
Standards for Mathematical Content

Now look at the Standards for Mathematical Content in Prentice Hall Middle Grades Math by first examining the Common Core State Standards Correlations in the Teacher Resources.

Supplemental Lessons

Notice that there are lessons coded with the letters CC. This indicates a Common Core supplemental lesson. The lessons are included in the new Middle Grades Math Common Core Edition, as well as in the online Common Core resources.
The writers of Prentice Hall Middle Grades Math have added supplemental lessons that support the content shifts in the new standards. These lessons teach the additional Standards for Mathematical Content that are not already included in the curriculum. The specific CCSSM being addressed is identified in the upper left-hand corner of the lesson.

**Technology Components**
You will also find updated technology components that align with and assess the CCSSM. This includes LessonView, ExamView, and SuccessTracker—the online assessments system with chapter tests, instant remediation, and benchmark tests.

**Pacing Guide**
Look over the Common Core Pacing chart in your Teacher Resources. In the Pacing chart, you will see the exact location of where to teach each of the supplemental lessons.

The chart indicates the Standards for Mathematical Content that each lesson addresses and proposes pacing for each chapter.

With your Middle Grades Math Common Core Edition and online resources, you have all of the tools that you need to fully embrace the CCSSM and prepare your students for the rigor of high school mathematics.

**Review**
This guide introduced meeting the CCSSM with Prentice Hall Middle Grades Math.

It examined the additional Common Core resources developed for Middle Grades Math and discussed how to use them to effectively integrate the standards into your math classroom.

It also explored how to use the Correlation chart, the Pacing chart, and the Common Core supplemental lessons to maintain the successful instructional approach of the program while highlighting the connections to the Standards for Mathematical Practice.