The purpose of this document is to identify the CCSS Professional Learning Resources that are currently available and when others will be available. **The number one priority is to give school teams and leadership the tools they need to plan their PD on August 9**th **to support the tight and loose expectations.** This update is designed to guide schools and takes into consideration that every school may be in different stages of their implementation; however, the expectation is that August 9**th **PD must focus on the District Plan for CCSS Implementation. The Sessions in BLUE should be delivered in the sequence listed since they are considered the foundational pieces. Once those are covered, the remainder of the modules should be sequenced based on the stages of implementation and needs at the school site.

The table describes professional learning tools that have been researched, developed, and designed by APS to equip educators for successful implementation of the CCSS:

- **√ “Basics” of CCSS: Gain a common knowledge of how the CCSS aligns Curriculum, Instruction, & Assessment**
- **√ Math Practices, Standards, and Instructional Shifts**
- **√ ELA Standards & Literacy in History/Social Studies, Science, & Technical Subjects and Instructional Shifts**
- **√ Additional resources (i.e. how to use the CCSS Scope and Sequence/Units of Study)**

These resources are designed to be used for small or large groups and include learning outcomes, facilitator notes, activities, materials, videos, reflections, resources, and strategies for evaluating the learning.
# Common Core State Standards—the Basics

<table>
<thead>
<tr>
<th>APS Expectations</th>
<th>CCSS Tools for Professional Learning</th>
<th>Brief Description</th>
<th>Current Tools Available</th>
<th>Target Date for Additional Tools to be Available</th>
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<tbody>
<tr>
<td><strong>Tight-K-5</strong></td>
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<td>*APS Online Learning Course with this Module will be available on June 1, 2012</td>
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| Spring 2012      | General Overview of CCSS—(For Administrators & Teachers) | Introduce the CCSS by addressing how the new standards will prepare our students for the 21st century college and career readiness skills, how CCSS impacts their classroom and schools, what a CCSS classroom looks like, and what are some resources for additional learning. This module will lead the school through introduction of the CCSS and address the following:  
- Why we have adopted the CCSS  
- The timeline for implementation  
- How it impacts instruction for students |
| **Tight 6-12**   | Structure of ELA/Math Standards & Practices | Study the structure of CCSS to allow efficient and effective navigation of standards, not focused on content. Develop common language and vocabulary.  
Time: 90 minutes | Dana Center Tool available with accompanying script and activities. Principals, Assistant Principals, and Instructional Coaches have been trained and have access to the PowerPoints and scripts. | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| August 9, 2012   |                                      |                   |                         | Basic Dana Center information with revised script and activities. |
| **Tight-K-5**    | Trajectory Tool                      | Learn and apply a process that helps educators gain a deep understanding of “alignment” through vertical articulation by exploring a learning trajectory of a “big idea” in the K-12 context. Teachers experience how they are a part of a K-12 system and the importance of each level reaching their specific learning goals from a systems perspective.  
Time: 90 minutes | Dana Center Tool available with accompanying script and activities. Principals, Assistant Principals, and Instructional Coaches have been trained and have access to the PowerPoints and scripts via Blackboard. | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| **Tight 6-12**   |                                      |                   |                         | Note--Basic Dana Center information with revised script and activities. |
| August 9, 2012   |                                      |                   |                         | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| **Tight**        |                                      |                   |                         | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| **K-5**          |                                      |                   |                         | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| Spring 2012      |                                      |                   |                         | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| **Tight 6-12**   |                                      |                   |                         | *APS Online Learning Course with this Module will be available on June 15, 2012 |
| Tight-K-5       | Instructional Alignment Tool | Learn how to promote conversations that deepen teachers' knowledge of how specific standards change across grade levels in order to make aligned decisions about instruction. Time: 60 minutes | Dana Center Tool available with accompanying script and activities. Principals, Assistant Principals, and Instructional Coaches have been trained and have access to the PowerPoints and scripts via Blackboard. | *APS Online Learning Course with this Module will be available on June 15, 2012  
Note--Basic Dana Center information with revised script and activities. |
|----------------|-----------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Tight 6-12     | General Overview of CCSS—  | Introduce the CCSS to parents by answering the following questions:  
• What parents need to know about the Common Core State Standards (CCSS)?  
• How the CCSS may affect teaching and assessing mathematics and English language arts?  
• What are the benefits and what can parents do to prepare for the CCSS?  
• When are the standards being implemented? Time: 30 minutes | One Page Handout on *Who, What, How, When* found on the APS Website  
Other APS Website Resources | *APS Online Learning Course with this Module will be available on August 1, 2012  
Note--Basic Dana Center information with revised script and activities. |
| Loose K-12     | General Overview of CCSS—  | Introduce the CCSS to students by answering the following questions:  
• What students need to know about the Common Core State Standards (CCSS)?  
• What are the benefits and what the new standards can mean for their college and career readiness? Time: 15-30 minutes | One Page Handout on *Who, What, How, When* found on the APS Website  
Other APS Website Resources | *APS Online Learning Course with this Module will be available on August 1, 2012  
Note--Basic Dana Center information with revised script and activities. |
# Math Practices, Standards, and Instructional Shifts

**Tight-K-5**  
2012-2013  
Introduction of Standards for Mathematical Practices, their Applications, and the Instructional Shifts in Mathematics

Review the key features and differences of the new standards.
- What is the purpose of the college and career readiness standards and practices?
- What are the shifts that will have to happen to effectively implement these new standards?
- How are these standards and practices different?
- Rather than covering a plethora of topics, how does the CCSS require deep comprehension and the ability to apply mathematics to problems that students have not previously encountered.

Explore the Standards for Mathematical Practices, their Applications, and the Instructional Shifts in Mathematics. Pre-assess readiness to learn about, practice and use the instructional shifts in daily practice.

**Time:** 45 minutes

**APS Website Resources**  
*APS Online Learning Course with this Module will be available on July 13, 2012*

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**Tight 6-12**  
2012-2013  
SMP: Standards for Mathematical Practice (9 Modules: Overview plus 8 SMPs)  
Application of Standards for Mathematical Practice (8 Modules: Math Tasks)

Learning modules for:
1. Make sense of problems and persevere in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

Modules are comprised of background information, activities, facilitation notes, relevant resources, reflections, and evaluations for leaders/facilitators to use for individual, small group, and large group sessions.

**Time:** 45 minutes (each module)

**APS Website Resources**  
*APS Online Learning Course with this Module will be available on July 13, 2012*
| **Tight-K-12**  
2012-2013 | **Math Instructional Shifts**  
(6 Modules) | **Learning modules for:**  
1. Focus  
2. Coherence  
3. Fluency  
4. Deep Understanding  
5. Application  
6. Dual Intensity  

Modules are comprised of background information, activities, facilitation notes, relevant resources, reflections, and evaluations for leaders/facilitators to use for individual, small group, and large group sessions.  

**Time:** 45 minutes (each module) | **APS Website Resources**  
*APS Online Learning Course with this Module will be available on July 13, 2012 |
|---|---|
| **Loose** | **Implementing Math CCSS** | **Knowledge Delivery System** (online learning tool developed by KDS in collaboration with APS). The KDS eClassroom learning platform offers learning experiences in a video-based platform.  

Dr. Tim Kanold and Dr. Diane Briars use Professional Learning Communities to delve deeply into the Common Core State Standards in mathematics. Working with small groups of 3rd through 8th grade teachers, they demonstrate how to create rigorous curriculum units, develop high-impact instructional strategies, create common assessments, as well as build informal progress monitoring checks. In turn, this course offers views into classrooms where teachers deliver standards-based lessons and discuss their learning paths to implementation.  

Each school site will have a license to use the tool for individual and small group learning. | **Available on June 1, 2012** |
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<th><strong>ELA Standards and Instructional Shifts</strong></th>
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<tr>
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APS Website Resources | *APS Online Learning Course with this Module will be available on July 13, 2012*
| Tight-K-12 2012-2013 | How to use Scope & Sequence/Units of Study K-3 Math | A Learning Module for teachers to use as a guide for the district’s Scope & Sequence Tools that will inform teachers as to the key learning students will need to successfully accomplish with the grade level math standards/practices and connect the content described in the K-3 CCSS. Scope & Sequence/Unit of Study for 1st Quarter completed by June 15, 2012. Time: 45 minutes (each module) | *APS Online Learning Course with this Module will be available on August 1, 2012. Refinements and additional scope/sequences & units of study for all grades will be available over the next 2-3 years. |
| Tight-K-12 2012-2013 | How to use Scope & Sequence/Units of Study K-3 ELA | A Learning Module for teachers to use as a guide for the district’s Scope & Sequence/Units of Study Tools that will inform teachers as to the key learning students will need to successfully accomplish with the grade level K-3 ELA standards. Scope & Sequence/Unit of Study for 1st Quarter completed by August 1, 2012. Time: 45 minutes (each module) | *APS Online Learning Course with this Module will be available on August 1, 2012. Refinements and additional scope/sequences & units of study for all grades will be available over the next 2-3 years. |