

**Arizona Standards Development Subcommittee on Mathematics  
 Summary of Meeting  
 3300 N. Central Ave., 16<sup>th</sup> Floor, Room 104, Phoenix, AZ 85012  
 Wednesday, April 6, 2016, 3:00 P.M.**

<p><b>Members Present:</b>          Cunningham, Kris          Dugdale, Kim          Edelson, Kim          Erickson, Christy          Holzworth, Lynn          Johnson, Cheryl          Mak, Janice          Ramirez, Janey          Robinette, Michael          Thomas, Kim</p>	<p><b>Absent:</b>          Guerrero, Shannon          Hackett, Maggie          Stetka, Pamela          Thompson, Pat</p>
<p><b>Agenda Item 1:</b>          Call to Order, Pledge of Allegiance, Moment of Silence, Roll Call</p>	<p>Meeting called to order at 3:00 p.m.</p>
<p><b>Agenda Item 2:</b>          Discussion of working groups' progress and next steps</p>	<p><u>Discussion:</u>          --The Chair provided an update on the working groups' progress and next steps.          --Grades 9-12 examined public comments, addressed the dual standards issue with Algebra I and II, and looked at research-based methods and teacher experts to make decisions regarding the standards. They also discussed fluency within the standards, and looked at the standards for clarity, cognitive demand, and measurability.          --Grades 5-8 examined public comments, looked at research-based methods and teacher experts to make decisions regarding the standards. They also discussed fluency within the standards, and looked at the standards for clarity, cognitive demand, and measurability.          --Grades 1-4 examined public comments, including the progression of money and time, research-based methods and teacher experts to make decisions regarding the standards in revising the standards. They also discussed fluency within the standards, and looked at the standards for clarity, cognitive demand, and measurability.          --Dr. Schmidt asked about updates related to "math facts." The Chair reported that the working groups worked on math facts and whole number progressions.          --Dr. Schmidt asked about concerns related to instructional approaches being dictated by the standards. The Chair reported that the working groups looked at the standards to determine "what" they</p>

	<p>are teaching, rather than “how” they are teaching by removing the examples from the standards.</p> <p>--ADE staff discussed their appreciation and gratitude for the commitment of everyone within the working groups and their dedication to the revision process.</p> <p>-- Dr. Schmidt inquired about presenters to the Academic Standards Development Committee on updates; the Chair offered to give a presentation on updates rather than Dr. Schmidt.</p> <p>--A request was made for a call-in number to the Academic Standards Development Committee meeting so that out-of-towners are able to listen to the meeting. Dr. Schmidt reminded the members to email her if they planned to attend or call-in to the meeting to ensure there is not a quorum of the Subcommittee.</p>
<b>Agenda Item 3:</b> Adjourn	Meeting adjourned at 3:30 p.m.