

Visual Presentations

Many of these presentations have Teaching Progressions that have more detail.
The Teaching Progressions are in purple at the end of those presentations.

- Beckmann, S. & Fuson, K. C. (2011, April). *Teaching area in the Common Core through decomposing and composing*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Fuson, K. C. & Beckmann, S. (2012, April). *Multiplication to ratio, proportion, and fractions within the Common Core*. Presented at the annual meeting of the National Council of Teachers of Mathematics, Philadelphia, PA. **NF and RP**
- Fuson, K.C. & Beckmann, S. (2013, April). *Teaching phases and standard algorithms in the Common Core*. Presented at the Annual Conference of the Association of State Supervisors of Mathematics, Denver, CO. And a related presentation: *From strategies to variations in the standard algorithms*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, Denver, CO. **NBT 1, 2, 3, 4**
- Fuson, K.C. (2014, April). *The CCSS OA Learning Progression: Coherent visual models that support problem solving and the Mathematical Practices*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, New Orleans, LA. **OA 1, 2, 3, 4**
- Fuson, K.C. & Beckmann, S. (2014, April). *Using math drawings and Math Talk for understanding algorithms*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, New Orleans, LA. **NBT 1, 2, 3, 4**
- Beckmann, S. & Fuson, K.C. (2014, April). *Meaningful approaches to algorithms for decimals*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, New Orleans, LA. **NBT 1, 2, 3, 4**
- Fuson, K.C. (2015, April). *Research-Based learning progressions in the K-6 CCSS and the Mathematical Practices*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, Boston, MA.
- Fuson, K.C. (2015, April). *Tasks that support problem solving, reasoning, and CCSS Mathematical Practices*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, Boston, MA.
- Fuson, K.C. (2015, November). *Building a Nurturing Math Talk Teaching-Learning Community*. Presented at the Annual Conference of the California Math Council-South, Palm Springs, CA. **Math Talk 1 and 2**
- Fuson, K.C. (2016, April). *Supporting the CCSSM NF learning progression and avoiding errors by using the standards for Mathematical Practice (SMP)*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, Oakland, CA. **NF**
- Fuson, K.C. & Smith, S. (2016, April). *Children living in poverty can solve CCSS OA word problems*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, San Francisco, CA. **OA 1, 2, 3, 4**
- Fuson, K.C. (2017, April). *Kindergarten and grade 1 children living in poverty can learn the CCSS NBT concepts*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, San Antonio, TX. **NBT 1, 2, 3, 4**
- Grandau, L., Fuson, K. C., & Johnson, D. (2017, April). *Supporting teachers to systematically analyze students' strengths and struggles and identify next moves*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, San Antonio, TX. **OA 1, 2, 3, 4 and NBT 1, 2, 3, 4**

- Fuson, K.C. & Decker, R. S. (2017, April). *Learning cycles and mathematical practices in the classroom math talk community*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, San Antonio, TX. **Math Talk 1 and 2 and NBT 1, 2, 3, 4 and OA 1, 2, 3, 4**
- Fuson, K.C. (2018). *Connecting Geometric Measurement, Other Measures, and Data Use Standards to Each Other and to Standards in Other CCSS Domains*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, Washington, D.C. **MD 1, 2, 3, 4, 5, 6, 7, 8 and NF 1, 2, 3, 4**
- Fuson, K.C. (2018). *Student drawings of length models can support understanding of fraction computation*. Presented at the Research Pre-session of the Annual Conference of the National Council of Teachers of Mathematics, Washington, D.C. **NF**
- Fuson, K.C. (2018). *Relating Fractions, Measurement, and Data with Meaningful Number Lines*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, Washington, D.C. **NF and MD 1, 2, 3, 4, 5, 6, 7, 8**
- Fuson, K.C. (2019, April). *Relating Number and Geometry in the Early Grades*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, San Diego, CA. **OA 2, NBT 2, G 1, PK**
- Fuson, K.C. (2019, April). *Deepening and Connecting Geometry, Geometric Measurement, and Operations and Algebraic Thinking (OA) Within and Across the Grades*. Presented at the Annual Conference of the National Council of Supervisors of Mathematics, San Diego, CA. **OA 1, MD 1, 2, 3, 4, 5, 6, 7, 8, and G 1, 2, 3, 4, 5**
- Fuson, K.C. (2019, April). *PK Early Math Learning: Preparing All Children for Kindergarten Success*. Presented at the Annual Conference of the National Council of Teachers of Mathematics, San Diego, CA. **OA 2, NBT 2, G 1, PK**
- Fuson, K.C. (2020, March). *Relating Decimals, Fractions, and Ratios for Deeper Understanding: How Are They Alike and How Are They Different?* Presented at the Annual Conference of the National Council of Supervisors of Mathematics, Chicago, IL. Presented as a webinar and recorded by NCSM because the conference was cancelled. **NBT 4, 5, 6, 7, Fr 1, 2, 3, 4, RP1, 2**