

## Mathematics SFVC Minutes

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**Meeting Date and Time:** Wednesday, October 9, 2024, 3:30 – 5:30 p.m.

**Committee Chair/Co-chairs:** Lyndsey Brightful, Dr. John Staley

**Members:** Erin Ferdinando, Rebecca Gary, Danielle Glen, Dr. Karen Karp, Stacie Marvin, Lisa McKinnon, Jen Meehan, Robert Richardson, John San Giovanni, Dr. Beyunka Scates, Amy Stoops, Therman Trotman, Hattie Webb

**Today's Attendance:** **Lyndsey Brightful, Dr. John Staley, Erin Ferdinando, Rebecca Gary, Danielle Glen, Dr. Karen Karp, Stacie Marvin, Lisa McKinnon, Jen Meehan, Robert Richardson, John San Giovanni, Dr. Beyunka Scates, Amy Stoops, Therman Trotman, Hattie Webb, Dr. Skip Fennell (guest), Lynda Brooks**

**Next meeting (day and time):** Wednesday, October 23, 2024, 3:30 – 5:30 p.m.

### MEETING NOTES

#### Welcome and Overview of Meeting

- Call to Order
  - The meeting was called to order at 3:32 pm by Lyndsey Brightful. The agenda was reviewed, and no amendments were made.
- Approval of Meeting Minutes:
  - The minutes from the September 18, 2024 meeting were approved. Minutes were provided to members prior to the meeting and no corrections or comments were submitted. John SanGiovanni moved to approve minutes; Hattie Webb seconded. Motion passed.
- Goals for the meeting

#### Presentation by Skip Fennel, Ph.D., Hon. D.H.L

- Shared perspectives on the current state of math standards, history of standards work & potential areas of improvement, and suggestions for committee focus.

#### PreK-6 Subcommittee Breakout

- Subcommittee members shared individual visions for elementary mathematics
  - Subcommittee noted need for strong foundational understanding of place value, clarity around fluency standards, greater emphasis on conceptual understanding of fractions (including fractions of a set), and data literacy,
- Subcommittee shared reflections and discussed vision and key focus for refinement
  - Subcommittee envisions the PreK-6 standards to be sequenced logically so that students gradually deepen their understanding within and across grades and to make connections between various math concepts.
  - Subcommittee discussed need for resources to support stakeholders in understanding and implementing the standards, for example a document that outlines vertical progression of standards or parent communication documents.

**Grade 7 – Integrated Algebra Subcommittee Breakout**

- Subcommittee members shared individual reflections from content crosswalk, discussed alignment, priorities and potential structure for Integrated standards.
  - Voiced concerns over back-mapping to grades 7 and 8 to maintain coherence with concepts taught in new Integrated courses.
  - Need to clarify and strengthen the modeling component in the standard to provide clear guidance between function family progression – linear, exponential, quadratic
  - Important to include study of circles for both geometric and analytical purposes, but we could increase the topic in 7<sup>th</sup> grade and focus on equations of circles and different representations of that relation in the integrated course.
  - Need to make floor/ceiling expectations clear, especially around topics like factoring – where do we expect technology to take the lead?
  - Need to include statistics topics like probability, and not just focus on regression of data sets around function families.
  - Important to communicate the through-line of topics. No need to ‘rush’ and push outside of your lane when there’s richness and depth at your grade level. Where are we repeating things because there’s not enough depth for students to gain true conceptual understanding?
  - Should focus on what the Big Ideas are for each grade/course, then map the throughlines between them.
  - Discussion of what acceleration looks like in 6-7-8, and the difference between Math 8 and Pre-Alg course. What standards are de-emphasized or even removed in an accelerated timeline.
- Discussion of NCTM’s High School Mathematics R<sup>3</sup>

**Action Items and Next Steps**

- Prior to the next meeting, the PreK-6 subcommittee will review PreK-2 standards. Members will identify necessary edits or additions and the rationale for those changes and note the most essential concepts at each grade level.
- Prior to the next meeting, the Grade 7 – Integrated Algebra subcommittee members will contribute thoughts and ideas to a collaborative document. The committee agreed that the Function family is the throughline, and they need to have a conversation about Linear. It was agreed the set of standards has to have a direct connection to the state assessments. Robert Richardson will follow up with a summary of the discussion and a general plan to move forward. Considering a possible half-day in-person session.
- Meeting adjourned 5:26 p.m.