What challenges do you face at your school or in your district?

- **Buy in for P.D. and RUSMP**
  - High-functioning teachers have a different response /need than lower-functioning teachers

- **Curriculum**
  - Vertical alignment (cutting curriculum)
  - Overemphasis of quantitative data
  - Need better foundation
    - Especially gaps in math foundation
  - Move beyond a “canned” curriculum
  - Summer break makes no learning sense
  - Homework
  - More formative assessments
  - Rigorous

- **Teaching Methods**
  - Not making good use of technology
  - Changing teacher mindsets (outdated teaching methods)
    - Especially in thinking about math
  - Engage students more
  - Focus on learning, not testing, TEKS specific
  - Think about time differently
  - Need better delivery of content
  - Adult learner/growth mindset for math
  - Teach a child, not a course

- **Teachers**
  - Attendance and incentives
  - Support for new teachers
  - High teacher turnover
  - Large teacher-student ratio
  - Teacher capacity
  - Lack of certified teachers and teachers who have the content knowledge
  - Teaching teachers authentic data-driven strategies
  - Collective teacher efficacy
  - Pedagogy (generalized vs specialized)
  - Need more time for PD and ongoing coaching

- **Promote student success**
  - More independence (less hand-holding)
  - Growth mindset in math – help students find success
    - Grow students beyond minimal standards

- **School/District**
  - New bell schedules
  - Not enough money
  - Isolation – smaller campuses and junior high, high school
  - Support from ALL stakeholders
  - Not enough support for math
What support do you need to help meet these challenges?

- Professional development
- Teacher leadership
- Coaching
  - From an outside source such as RUSMP that gives objective feedback
- Support
  - Ongoing, on-campus, financial
  - Grants/stipends to help grow the teachers (with commitment)
- Trainings
  - PD trainings convenient for teachers (happen during the day)
  - Vertical alignment (instruction for teachers)
  - Effective PLC training in classroom and content management, protecting more math time
    - Merging other content areas with math at high school
  - Learning how to coach (training/PD)
- Curriculum
  - Aligning curriculum and textbooks
  - Focus on student learning and supportive adult learning
  - Creating a strong foundation that subsequent teachers can build on
    - Teaching strategies that grow with the kids
  - Paradigm shifts, especially at the high school level
  - Create different school year models, PBL, summer camps
  - Look at examples from the real world
    - Community outreach, connectivity through technology
  - More “Feet on the Ground”
  - Modeling
  - Math content and pedagogy for teachers
  - Combatting achievement gaps