Mathematics goal: Exponents (CC), SSE (Rich Systems)

Mathematical practices goal: SMP 2/3

Teaching goal: Cognitive Complexity; increasing student motivation and interest in math

TPEP goal: Criteria 4

Introduce website

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| Time, room &  Groupings | Activity & how it addresses the goals of the grant | Materials |
| 7:30-8:00  PLCs | Recall norms; discuss in groups and ways to use  Read Teacher Goals sheet  Discuss challenges and opportunities  5-10 minutes of freewriting about what you | Sign-in sheet;  Have them look at the detailed **Teacher Goals** sheet and discuss at their tables (using norms) which ones they think are most important and which ones are most challenging.  **Challenges and Opportunities sheet –collect (put school/team name on it)**  **Freewrite about SSE** |
| 8:00-10:20 (<2.5 hours with break included)  PLCs | **Rich Systems: Remind of math norms**  Goals of becoming familiar with SSE, CED, and SMP 2/3  Goal of Purpose in lesson planning and implementation  Focus on noticing: use of practicecards with SMP ideas | **Tasks; colored 3x5 cards; SSE, CED, and SMP from notebooks.** Peer teachers should each stay at one table and support the use of the practicecards.  Start discussion of PURPOSE when sharing out.  Reflection prompts connected to SMP, have Peer teachers and Kathy describe the SMP they saw used - collect |
| 10:20-10:30 |  | Need to post tasks for next activity |
| 10:30-11:30  Mixed groups 2-3 people per group | **Paper clip grouping (2-3 per group)**  **Cognitive Complexity** task: determine CC of each task in the set, discuss opportunities for SSE and post group results  Peer teachers and facilitators should be near the posters to listen to the discussions. | **Posters, sticker dots;**  **Activity shee**t for them to record their thoughts on;  CC connection to SMP. **When reading descriptions of CC, connect descriptions to descriptions of SMP**.  Tasks on the wall for teachers to walk around in non-PLC groups (paperclip grouping);  Post results  Debrief |
| 11:30-11:45 | **Introduce website** | Should they bring laptops or other devices if they have them? |
| 11:45-12:30  Non-PLC groups | **Lunch time conversation**: Increasing students’ motivation and interest in mathematics. | Handout on students’ motivation and interest to do math along with prompt to get them to discuss their own motivation and interest in math and/or ideas of how to address this in their classes. |
| 12:30-1:20  School PLCs | **Share out on the CC task earlier and use the tasks they collected for HW to revise for CC**. They should then write a purpose statement. Purpose should be related to one of the CCSS standards/clusters/ practices we are focusing on this year. | **CC packets** Within PLC, each teacher chooses what they think are Level 2 tasks and share within their groups to gain consensus.  Choose a task from your group that could be used to help students see structure in expressions, and post on the wall.  They need to look at the paper they wrote this morning about their current understanding of SSE and add to it or change it in a different colored pencil or pen. We want to collect these. |
| 1:20-1:30 | **Break** |  |
| 1:30-2:30  PLCs sit with Principals around tables | TPEP |  |
| 2:30-2:45 P/APs with PLCs around tables | Recap and HW  Reflect on the goals we targeted today – how did we do? | HW sheets; |
| 2:45-3:00 | Evaluations | Evaluation sheets; Principal Page |