



**Pullman School District
Instructional Materials Adoption Committee (IMAC) Process, 9-12 Math
Minutes - November 16, 2022 @ 3:15 PM**

9-12 Math IMAC Members:

Joni Stevens – TOSA - facilitator
Sherree Komp – PHS Math Teacher
Scott Thompson – PHS Special Education Teacher
Justin Polestad – PHS Principal (CHECK Spelling)
Johanna Erickson – LMS Math Teacher
Samantha Schertenleib – PHS Assistant Principal
Kyle Cance – PHS Math Teacher
Jake Unzicker – PHS Math Teacher
Roberta Kramer - Assistant Superintendent
Tauna Johnson – District Office Instructional Programs Assistant

Committee Members present: Joni Stevens – TOSA - facilitator

Sherree Komp, Scott Thompson, Justin Polestad, Johanna Erickson, Samantha Schertenleib, Kyle Cance, Jake Unzicker, Tauna Johnson

Reviewed:

- Updated Norms
- Agenda
- Math adoption timeline

Communication/Feedback from teachers:

It was mentioned by a committee member to consider Algebra 2 as part of this adoption instead of only Algebra I and Geometry.

Plan Evaluation Process & Criteria:

- Reviewed Google Classroom documents
- Reviewed Instructional Materials Evaluation Tool (IMET)
- State Criteria:
 - Step 1 - Non-Negotiable Alignment Criteria

- Step 2 - Alignment Criteria
- Step 3 - Evaluation Summary

PHS IMAC Math Criterion Non-Negotiables:

1. PSD Board Policy 2020 - High Quality Core Instructional Materials
2. WA State HS Math Standards/CCSS
3. Mathematical Shifts (IMET)
4. Highly Recommended

Our District Priorities - What major criteria are we looking for?

- Members discussed ideas and reviewed resources with a partner/small group.

Members used the following resources while discussing District Priorities.

1. **Principles to Action** from NCTM
 - Eight Effective Mathematics Teaching Practices
2. **Catalyzing Change in High School Mathematics** from NCTM
 - All students should learn Essential Concepts of mathematics
 - Discontinue tracking teachers and students
 - Classroom instruction should be consistent with research-informed **teaching practices**.
 - Four-year mathematics pathways should be offered for all students.

Our (PHS) Priorities: (in addition to math standards)

1. **Access for ALL students:**
 - Lend to cross-curricular opportunities (context and application)
 - Students need to be encouraged to make their **thinking** for an answer visual
 - Need multi-language resources - good to have, but not a priority
 - Translation apps. are available for students to use when learning math.
2. **Assessment:**
 - Programs that have performance tasks as assessments and alternate ways to assess (portfolio) - nice to have, but not a priority
 - Provide opportunities for students to self-assess and focus on the process, not the grade at the end.

Feedback opportunities:

- Self-assess, etc.
- Pre-assessment readiness check (diagnosis readiness)

3. Materials:

- Materials to make thinking visual - be able to explain where an answer came from
- Visual models, multiple access points
- Access to print and digital resources that can be modified
- Materials that support task initiation and utilize exploration with manipulatives (materials for problem-based learning)
- Instructional supports for teachers to help create engaging opportunities
- ** Need materials that support **learning** rather than completion.

4. Practices:

- Engaging real-world problems
- Supports multiple strategies for students to show their knowledge
- Encourage student collaboration
- Have productive struggle

5. Other:

Retention is higher when there is dialogue, experiences, etc. What do we do for absent students? How can they make up for missing rich discussions?

- Discovery/Dialogue (support or options for absent students)
- How can we recreate a 55-minute productive discussion?
- Find program that promotes positive math identity/growth mindset
- Strategies and Misconceptions:
- Have contrary evidence, error analysis, My Favorite No
- What was the thinking behind the answer?
- Common misconceptions
- Ways for teachers to respond - "That is the right answer to a different question."
- Parent resources or support - nice, but not a priority because many parents are not comfortable helping with math
 - Do we want parents to have access to slides/information?
 - Together with the student, be able to look at information that was taught?
 - Help parents feel informed of the math being taught in the classroom?
- Teachers need experience teaching different math subjects.

Using EdReports in Google Classroom

- Discussed how to use this resource and navigate through it.
- Gateways: Focus, Rigor, Useability

Discussed added resources in Google Classroom

- PHS IMAC Programs Under Consideration

Action Items:

Communication Plan:

- State Criteria and PHS Priorities
- Program Evaluation Process (Standards Alignment: Focus, Coherence, and Rigor first)

Next Meeting:**Nov. 30, 2023 @ 3:15****Agenda Items:**

Priorities formalized (add comments to doc.)

Program Input (comments on doc.)

- Identify and review materials.
- Put comments in Google doc. during the meeting. (Do some ahead of time if you can.)

Dec. 14, 2023 @ 3:15

- Identify and review materials (cont.).
- Select Top 3 Programs to move forward for further evaluation by December 21.

After January - have programs narrowed down to top 3-4.

Adjourn @ 4:30 PM