

Criteria for an Advisory Panel and Review Committee Member: *KAS for Mathematics*

Knowledge, Attitudes, Skills, Aspirations and Behaviors Criteria (KASAB)

Knowledge	• Knowledge of context of the current <i>Kentucky Academic Standards for Mathematics</i> • Knowledge of the Standards for Mathematics Practices, their impact on student engagement and their development of proficient mathematical thinkers • Clear understanding of the essential role conceptual understanding plays in laying the foundation for procedural fluency and application • Knowledge of evidence-based instructional practices for teaching mathematics • Understands mathematics skills and knowledge as real world applications • Understand that being fluent means students flexibly choose among methods and strategies to solve contextual and mathematical problems, understand and explain their approaches and produce accurate answers efficiently • Clear understanding of the difference between standards, curriculum and instructional resources (preferred) • Experience in planning and/or implementing mathematics instruction • Experience in a collaborative setting • Experience in leadership roles and responsibilities (at school sites or in professional organizations)
Attitude	• Believes everyone is a math person • Values opportunity and access to vibrant learning for ALL students • Values the integration of mathematical standards to elevate conceptual understanding and highlight the coherence of big mathematical ideas at the center of instruction (preferred) • Values each participant and their various views • Values collaboration as well as a strong work ethic • Embraces an outlook that values the broader, state-wide implications of the standards review and revision work • Regards student-centered learning as most effective • Flexible working virtually and in-person settings
Skills	• Effective in expressive communication (with necessary accommodations) • Able to support claims using research and evidence (preferred) • Adept at listening to and valuing others in a group setting • Ability to manage multiple tasks in a dynamic, deadline driven environment • Good organization and time management skills • Open-minded and flexible but able to solve problems • Able to intervene at appropriate times
Aspirations	• Supports skills integration for future preparedness • Aspires to influence future assessments • Wants to improve mathematics instruction in Kentucky
Behaviors	• Exhibits patience and persistence, while participating in productive struggles • Remains impartial • Listens attentively but actively participates in discourse • Ensures that multiple perspectives are considered • Undertakes tasks in a methodical and timely manner