

**Teacher Leader - Mathematics
Guidance for Interview**

The following is preparation for your interview:

1. You will be asked to answer an initial question regarding your educational/professional background. You should be prepared to share your leadership experiences (e.g. instructional coach, department head; teacher leader; membership/leadership in professional organizations; local, state or national presentations, etc.).

2. You will be required to give a 30 minute power point presentation to the interview team (as if we were Providence School Department math teachers) regarding the need for a K-12 core curriculum. You must demonstrate within your presentation an understanding of: (1) the Board's Aligned Instruction System policy; (2) research regarding district implementation of core curriculum (e.g. reports from Aspen Institute such as [Transforming High School Teaching and Learning: A District-wide Design](#) or from the Council of the Great City Schools such as *Supporting Successful Transitions to High School*); (3) research on advancing mathematics learning (e.g. *Foundations for Success: The Final Report of the National Mathematics Advisory Panel*, and the Executive Summary of Carnegie's Report, *The Opportunity Equation: Transforming Mathematics and Science Education for Citizenship and the Global Economy*); (4) research on college readiness (e.g. *Measures that Measure* from the Education Trust or *ACT Rigor at Risk* reports); and (5) secondary mathematics content and pedagogy.

Mathematics Course Sequence: Pathways

Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Grade 6 Core	Grade 7 Core	Grade 8 Core	Algebra I	Geometry	Algebra II	Pre-Calculus
Grade 6 Core	Grade 7 Core	Algebra I	Geometry	Algebra II	Pre-Calculus	AP Calculus A/B
Grade 6 Core	Algebra I	Geometry	Algebra II	Pre-Calculus	AP Calculus A/B	AP Calculus B/C or AP Statistics

3. Interview team members will ask questions regarding the power point from the vantage point of mathematics teachers.

4. You will be required to address how you plan to work collaboratively with teachers and your principal to support effective, research-based instructional practices.

5. You will be required to address your comfort level and expertise in coaching colleagues.

6. You should also **bring** a writing sample to the interview (8 copies). The writing should be a letter to parents explaining the new core curriculum and how it supports high achieving students, students at grade level, as well as struggling students.

Please contact Dennis McHugh, Math Supervisor, at Dennis.McHugh@ppsd.org should you have questions.