

Announcing: Middle School Mathematics Instructor

Responsibilities of Employment:

The primary responsibilities of the teacher are to plan and implement a challenging and engaging college preparatory program in selected mathematics classes for students at the 8th grade level. The specific math courses assigned to this position are Transitional Algebra, Algebra 1, and Advanced Algebra 1. The teacher may also be responsible for a middle school elective and/or exploratory class or may be asked to participate in the school's learning support program as an on campus tutor.

General information about the focus of 8th grade math classes is listed below.

Transitional Algebra

Transitional Algebra is offered to students who desire to gain a deeper understanding of the basic algebraic concepts before moving on to Algebra I. These concepts include operations with rational numbers; solving equations, inequalities, and proportions; the basics of geometry, finding slope and rate of change, and graphing linear equations and inequalities. Students will also make real-life applications with these concepts through a variety of word-problems. At this level, calculator use is limited allowing students to continue to improve basic skills.

Algebra I

Algebra I extends the study of algebraic expressions and the graphing of linear and non-linear equations and inequalities. Students will solve algebraically and graphically both with and without the graphing calculator. Emphasis will also be placed on factoring polynomials and simplifying terms and integral exponents. Real life applications will include use of technology in predicting outcomes of a variety of situations.

Advanced Algebra I

Advanced Algebra I provides an opportunity for students to advance their understanding of the concepts from Algebra I by exploring additional concepts that will broaden their math foundation for Geometry, Algebra II, and Trigonometry. Several more types of functions, their inverses and asymptotes, and rational exponents will be covered in addition to the concepts covered in Algebra I. The use of technology is more heavily emphasized in areas of graphing, statistics, and probability.

Additional information about courses offered at Saint James can be found in the *Saint James School Middle School Course of Study* which is available on the Saint James School website.

The teacher is expected to establish a positive and encouraging classroom environment characterized by engaging college preparatory instruction and assessment. Instructional planning and content must align with the Saint James School curriculum standards for all courses assigned to the teacher each year.

Candidates should be prepared to work with each member of the middle school faculty in a positive and collaborative manner. Full cooperation with the administration and adherence to school policies and procedures is required. Advancement of the school's mission is essential. Teachers are expected to maintain the highest level of professionalism at all times in interacting with students, parents, and school personnel.

An exceptional candidate will:

- Have experience working with middle school students and an understanding of instructional strategies appropriate for that age group
- Have a proven track record of college preparatory mathematics instruction at the middle or high school level
- Possess a level of knowledge and expertise that would allow the candidate to fulfill the needed technology roles including classroom instruction using Apple devices
- Create a positive, growth oriented classroom environment which supports critical thinking and active learning experiences
- Play a proactive role in planning and implementing course objectives for future years
- Develop a variety of assessment tools complimentary to the goals of the class
- Work successfully in a collaborative environment with other teachers and the school administration

Requirements for Employment:

- Completion of bachelor's or master's degree program in mathematics
- A degree in education and a current valid teaching certificate is preferred
- Experience teaching a variety of middle school mathematics classes is preferred
- Demonstrated experience and skill with technology including proficiency with Apple devices

Please send a completed application packet including official transcripts, reference letters, and a current resume to:

*Saint James School
Attn: Leigh Anne Potts
6010 Vaughn Road
Montgomery, Alabama 36116*