

**UPPER SCHOOL MATHEMATICS TEACHER JOB DESCRIPTION**  
**LOUISVILLE COLLEGIATE SCHOOL**

**REPORTS TO:**

Head of Upper School

**PRIMARY RESPONSIBILITIES:**

Working closely with colleagues in the Mathematics Department, the Mathematics teacher will teach a range of classes from Algebra I to AP Calculus and be called on to promote high levels of learning in an engaging and effective manner using a variety of instructional methodologies and curriculum resources.

**REQUIRED KNOWLEDGE, SKILLS, AND EXPERIENCE:**

- Experience teaching a range of mathematics classes from Algebra I to AP Calculus.
- A bachelor's degree in mathematics or a related field is required, advanced degree preferred.
- Proven ability to differentiate instruction when necessary to reach all levels of learners.
- Ability to integrate technology into the curriculum through the use of graphing calculators and various computer software programs such as Microsoft Excel and Geometer's Sketchpad.
- Collaborative spirit in developing ideas and teaching methods with other members of the mathematics department including vertical teaming.
- A strong candidate will rely on a multitude of teaching strategies in the classroom such as explorations, investigations, interdisciplinary lessons, and small group work.
- Willingness and availability to provide tutoring for students of all ranges and abilities on a daily basis during office hours and/or math lab hours.
- Knowledge and effective implementation of NCTM's *Principles and Standards for School Mathematics*.
- Proven success and experience with high school students in academic and extra-curricular environments.
- A strong candidate will be passionate about teaching mathematics and will do so in an energetic manner.
- Proven organization skills.
- Good listening skills.

**ADDITIONAL RESPONSIBILITIES AS REQUIRED:**

- Coach or lead extracurricular activities as agreed upon with HOS and Head of Upper School.
- Establish a cooperative working relationship with colleagues and parents.