



High School Mathematics Teacher

Department Departamento	High School
Immediate Superior Superior Imediato	High School Principal

Primary Purpose of the Position	The High School Mathematics Teacher provides rigorous and engaging instruction in mathematics, both within and outside the International Baccalaureate (IB) framework. The teacher develops students' conceptual understanding, problem-solving abilities, and critical thinking skills while preparing them for success in American and the IB Diploma Programme (DP) Mathematics courses and assessments. The IB Mathematics Teacher collaborates with colleagues, students, and parents to ensure access to the curriculum, foster independence, and promote lifelong learning in alignment with Graded's mission and values.
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Main Duties and Responsibilities	Instruction and Student Learning • Plan and deliver high-quality mathematics instruction aligned with the American and IB DP curriculum, ensuring lessons are purposeful, differentiated, and intellectually challenging. • Prepare students for internal and external assessments, guiding them in developing strong mathematical reasoning and communication skills. • Facilitate inquiry-based learning and encourage students to connect mathematics to real-world contexts.
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	• Support students in the Extended Essay and other interdisciplinary IB projects as appropriate. • Empower students to take ownership of their learning through reflection and goal-setting. Assessment and Feedback • Design and administer a variety of diagnostic, formative, and summative assessments aligned with both the American and IB standards. • Provide timely and constructive feedback that fosters intellectual curiosity and inquiry. • Guide students in developing effective strategies for exam preparation and long-term mastery of mathematical concepts. Collaboration and Curriculum Development • Collaborate with mathematics colleagues to ensure alignment across IB and high school math courses. • Participate in curriculum review, development, and articulation across grade levels. • Share best practices in teaching and learning to strengthen the mathematics program. • Contribute to interdisciplinary initiatives and projects within the High School. Professional Practice and Community Engagement • Communicate effectively with students, parents, and colleagues regarding progress and expectations. • Participate actively in professional development, departmental meetings, and whole-school initiatives. • Demonstrate professionalism in attendance, punctuality, communication, and conduct. • Contribute to the school community through our Community Time program, as well as extracurricular activities, clubs, or academic enrichment opportunities such as CWW (Classroom Without Walls).
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Certifications and Education	Required / Necessários
	• Bachelor's degree in Mathematics, Mathematics Education, or a related field. • Valid teaching certification/license.
	Desired / Desejáveis
	• Master's degree in Mathematics, Mathematics Education, or related discipline. • IB training and certification in DP Mathematics: Analysis and Approaches (AA) and/or Applications and Interpretation (AI).

Experience	Required / Necessários
	• Minimum of five years of classroom teaching experience. • Experience teaching advanced high school mathematics (precalculus, calculus, statistics, or equivalent).
	Desired / Desejáveis
	• Experience teaching IB DP Mathematics in international or multicultural contexts. • Experience supporting students with diverse learning profiles in rigorous academic settings. • Familiarity with integrating technology (graphing calculators, digital platforms, mathematical modeling software) into instruction.

Knowledge, Skills and Abilities	Required / Necessários
	• Deep content knowledge in mathematics across a range of topics. • Ability to differentiate instruction for varied learning styles and abilities. • Strong classroom management and communication skills.
	Desired / Desejáveis
	• Strong understanding of IB philosophy, assessment criteria, and standards.

	• Familiarity with international curricula beyond IB (e.g., AP, A-Levels). • Proficiency in technology applications that enhance mathematics teaching and learning. • Ability to mentor students in mathematical research, inquiry, and academic writing.
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Personal Attributes	Required / Necessários
	• Commitment to Graded's mission, vision, and core values. • Professionalism in teaching practice and collaboration with colleagues. • Passion for mathematics and for inspiring students to appreciate the subject. • Reflective, flexible, and open to continuous professional growth.
	Desired / Desejáveis
	• Creativity and innovation in instructional design. • Enthusiasm for contributing to a collaborative mathematics team. • Engagement with the wider school community through academic or extracurricular involvement.

HOW TO APPLY

Interested candidates for positions at Graded should apply using the following channels according to their situation:

Local Hires	who holds a Brazilian citizenship or is granted the right to work in Brazil	PandaPé
Foreign Hires	who requires application for a Brazilian work visa	GRC or Search Associates