



Science & Math Department Chair

Location: Yeshiva University High School for Boys, New York, NY (YUHSB)

Job Type: Full-Time

Start Date: Late August 2025

Position Overview

YUHSB seeks an innovative and visionary Science & Math Department Chair to lead a dynamic team of educators while also actively engaging in teaching. This role includes responsibilities for curriculum development, faculty mentorship, lab management, and ensuring best practices in math & science instruction, as well as teaching one section of AP Physics and one section of Mathematics.

The ideal candidate will ensure alignment with the latest advancements in STEM fields, oversee department resources, and create an engaging, inquiry-based learning environment. This position requires strong leadership, hands-on teaching expertise, and a commitment to fostering student curiosity and excellence in both mathematics and science.

Key Responsibilities

Teaching Responsibilities

- Teach **one section of AP Physics** and **one section of Mathematics** (specific course level to be determined based on expertise and department needs).
- Implement **innovative teaching methods** that incorporate **inquiry-based learning, real-world problem-solving, and interdisciplinary applications**.
- Utilize **technology and laboratory experiments** to enhance conceptual understanding and student engagement.
- Assess student progress through **performance-based evaluations, competency assessments, and project-based learning**.

Department Leadership & Curriculum Development

- Lead the **design, review, and continuous improvement** of science and math curricula, ensuring alignment with **national standards**.

- Integrate emerging STEM fields such as **AI, data science, and environmental sustainability** into instructional practices.
- Foster **cross-disciplinary learning** by coordinating with other departments on interdisciplinary projects.
- Mentor teachers in adopting **cutting-edge pedagogical strategies**, including **flipped classrooms, blended learning, and experiential education**.

Science Lab & Physical Plant Oversight

- **Manage and maintain all science laboratory facilities**, ensuring they are **safe, well-equipped, and conducive to hands-on experimentation**.
- Oversee the **procurement, inventory, and budgeting** for laboratory supplies, chemicals, and specialized equipment.
- Ensure compliance with **safety protocols, hazardous materials handling, and regulatory guidelines** in lab environments.

Assessment & Data-Driven Decision Making

- Utilize **student performance data** to assess **instructional effectiveness and guide curriculum adjustments**.
- Ensure diverse assessment strategies, including **performance-based and competency-based evaluations**, to measure student mastery effectively.
- Monitor national and state assessment trends, adapting instruction to maximize student success in **standardized testing and college readiness**.

STEM Advocacy & Community Engagement

- Develop programs that connect students with **STEM careers, competitions, and research opportunities**.
- Strengthen relationships with **Yeshiva University, research institutions, and industry leaders** to provide students with cutting-edge exposure to STEM fields.

Qualifications

- **Master's degree** in Science, Mathematics, STEM Education, or a related field (Doctorate preferred).
- **A minimum of 5 years of classroom experience** in science or math education.
- Experience teaching **AP Physics and advanced Mathematics** courses.
- Prior leadership experience, preferably as a **department chair, instructional coach, or curriculum specialist**.
- Strong background in **curriculum development, lab management, educational technology, and innovative instructional strategies**.
- Excellent communication and leadership skills, with the ability to inspire and support both students and faculty.

Benefits:

- Competitive salary based on experience and qualifications.
- Health, dental, and vision insurance.
- Retirement plan options.
- Professional development opportunities.
- Supportive and collaborative school community.
- Tuition benefits at Yeshiva University schools for employee and immediate family after first year of employment.

To Apply

Interested candidates should submit a **resume, cover letter, and a statement of educational philosophy** detailing their vision for innovation in STEM education to opportunities@YUHSB.org

YUHSB is an equal opportunity employer and encourages candidates of all backgrounds to apply.