



MONTCLAIR KIMBERLEY ACADEMY

STEM+ Explorers Summer Teacher: Experimental Techniques

Position Type: Part-Time, 1–4 week position

Program Dates: July 6 – July 31, 2026

Orientation: June 18, 2026 (9 AM – 3 PM)

Location: Inquiry & Innovation Center, MKA Upper School Campus, Montclair, NJ

Position Summary

Montclair Kimberley Academy (MKA), an innovative PK – 12 independent day school with a strong national reputation, seeks innovative and enthusiastic teachers to design and deliver engaging summer programming for middle school students. The STEM+ Explorers Summer Program offers an inspirational enrichment experience — not summer school or academic acceleration — where students deepen curiosity and creativity through hands-on learning.

This role focuses on teaching the Experimental Techniques strand, guiding students through authentic lab investigations in physics, chemistry, environmental science, and biology. Each week, students will act as scientists: asking testable questions, designing experiments, making careful measurements, and analyzing data to draw conclusions, while learning essential safety practices in each discipline.

Strand Overview: Experimental Techniques

- Week 1: Physics — Use timers, motion detectors, and force sensors to investigate motion, forces, and energy.
- Week 2: Chemistry — Explore states of matter, physical properties, and separation techniques.
- Week 3: Environmental Science — Collect samples, make field measurements, and model complex systems.
- Week 4: Biology — Practice experimental design and use tools such as scales and microscopes to study living systems.



MONTCLAIR KIMBERLEY ACADEMY

Responsibilities

- Design the Experimental Techniques curriculum in collaboration with STEM+ Directors during the school year.
 - Create and submit a supply needs list (within budget) to the Director of Summer Operations by May 1, 2026.
 - Attend pre-program orientation on June 18, 2026.
 - Teach the following summer schedule:
 - *Experiential Techniques* (2 sections): 9:00–10:35 AM
 - *Morning Lab*: 10:50–11:35 AM
 - *Afternoon Challenge Lab*: 1:30–3:30 PM
 - Provide engaging and informative communications to families throughout the program.
-

Requirements

- Availability for full program dates (July 6 – July 31, 2026), including June 18 orientation.
 - Participation in planning meetings with STEM+ Directors during the school year.
 - Ability to design and deliver engaging lab-based lessons for middle school students.
 - Strong organizational skills to manage supplies, budgets, and lab safety.
 - Excellent written and verbal communication skills.
 - Collaborative mindset and flexibility in a dynamic summer program setting.
-

Qualifications

Required

- Bachelor's degree in Science, Education, or related field.
- Prior teaching experience with middle school students (classroom, enrichment, or summer program).



MONTCLAIR KIMBERLEY ACADEMY

- Demonstrated knowledge of basic laboratory safety practices.

Preferred

- Advanced degree in STEM or Education.
- Experience designing curriculum or project-based learning experiences.
- Familiarity with lab tools and data collection technologies (e.g., sensors, microscopes).
- CPR/First Aid certification.
- Enthusiasm for enrichment-focused teaching that emphasizes creativity and exploration.

Application Process

Interested candidates should submit their application via email.

Applications should include the following:

- cover letter that addresses what interests you about working at Montclair Kimberley Academy
- current curriculum vitae
- brief statement describing your teaching philosophy
- three letters of recommendation, at least one of which discusses qualities that will support your role as a teacher

Applicants should send all requested materials by email to Monica Masterson, Director of Summer Operations:
mmasterson@mka.org

It is MKA's policy to provide equal employment opportunity to all qualified persons regardless of age, race, creed, color, national origin, ancestry, sex, gender identity, sexual orientation, socio-economic background, or disability not related to the requirements for being a successful employee at MKA.