

KING/DREW MAGNET HIGH SCHOOL OF MEDICINE AND SCIENCE MEDICINE AND SCIENCE CAREERS PROGRAM

Program Description

Hospital Occupations has been the centerpiece of King/Drew High School's unique curriculum since its establishment in the early eighties. The Medicine and Science Careers Program, the new name of our program, is the driving force and often the primary reason parents and students select King/Drew Magnet High School. The Careers program has two course offerings, Hospital Occupation for first year students and Health Careers/Hospital/CM for second year students. Our program provides a unique opportunity for students to access experience-based learning in environments including hospitals, clinics, research laboratories, and university facilities. Additionally, students actively develop connections with experts and professionals throughout the community, both locally and globally.

The curriculum and training of our program are designed to expose eleventh and twelfth grade students to careers in Medicine and Science. The focus is to give each student the academic foundation to qualify and compete in post secondary institutions.

Program Overview

To gain experience, students choose sites according to their own interest and/or availability. They spend seven to nine weeks on site, meeting from morning time until lunch, one day a week: Monday, Tuesday, Wednesday, or Thursday. Students who select research sites may remain for an entire school year, or s/he may rotate to as many as four sites a year. We hope to provide research students with a more valuable and meaningful experience by allowing them to work at the same research site both junior and senior years.

Through directed activities and on-site experiences students will master and apply the skills that will enable them to be effective communicators, critical thinkers, goal setters, and life-long learners. These skills include interpersonal, problem solving, time management, and communication, as well as experience-based learning.

Program Goals

- To allow students to explore opportunities in the health care field
- To motivate students to pursue higher education leading to careers in health care
- To mitigate the problem of the under-representation of people of color in medicine and science careers

Program Requirements

- **Signed Consent for Medical Examination.** This consent form gives permission to the medical facility to review the student's immunization records.
- **Two photocopies of student's vaccination record** (specifically with Measles, Mumps, Rubella, MMR #1 and #2) *with TB test with results within the last 11 months.*
- **Take a Mantoux Skin Test** (TB Test) and have results read, with date given and date read and added to shot record. Students with positive skin test must take an x-ray and bring both the written results of the x-ray AND a photocopy of the positive TB test.
- **Lab Jacket with embroidered Student First Name and Last Initial on right-hand side and King Drew Student on left-hand side.**
- **Printed results of student's Career Finder questionnaire.**
- **Successfully complete Hospital Orientation/HIPAA training and exam which is done in September.**
- **Live scan and background check.** Medical facilities require that students submit their social security number and provide signed parental consent for fingerprint and background clearance. (Students are processed as non-compensated employees/volunteers.)

Daily Program Requirements

- Hospital issued ID badge must be worn on right lapel of lab jacket
- Steno pad (provided) and pens/pencils must be carried each class meeting
- Health Professional Attire: Absolutely NO jewelry. NO acrylic nails. Students must be in appropriate King Drew uniform only and MUST wear pants on site visit days. NO shorts, capris, or skirts.
- Can DO attitude
- Strong interest in Math and Science
- Open to new experiences
- Willingness to learn
- Assertive and outgoing
- Excellent communication skills

Curricular Requirements

- Completion of site visit evaluation sheet
- Science Fair projects for all research students
- Writing Project and Careers Poster Presentations
- Assignments and assessments necessary for classroom component

Program Eligibility

- 2.5 GPA or higher
- Grades of "C" or better in Math and Science courses
- Excellent marks in Cooperation and Work Habits and no discipline record
- Science Teacher Recommendation

Medicine and Science Careers General Job Descriptions

General duties and tasks

- Restock supplies
- Prepare rooms for patients
- Call patients from the waiting area
- Take patient vital signs
- Pull prescriptions
- File records
- Preparation of educational or informational materials for patients
- Transport files/records/supplies to various locations within the hospital
- Other duties relevant to specific site

Working with Doctors and Nurses

- Observe patient/doctor consultations (with consent of patient)
- Observe patient/nurse and patient/doctor procedures (with consent of patient) including diagnosis of conditions, routine tests, general surgery, labor and delivery, respiratory therapy, physical therapy, etc.
- Observe Doctor/Intern conferences on patient care
- Take patients to alternative sites within the hospital
- Assist nurses with care of patients (lifting, moving, adjusting, etc.)
- Practice/mock procedures (not on patients), or verbal walk-through of procedures including vital signs, running tests, preparing casts, X-ray technology, mammograms, wound care, autopsies, etc.

Participate in Mentoring

- Doctors, nurses, and technicians engage students in conversations related to their specific field. Topics include education, advantages and disadvantages of specific career, specific training, interpretation of test results, etc.

Research

- Students work under the guidance of doctors on a variety of research projects (clinical research on diabetes, laboratory studies of cancer and endocrinology).