

Chapter 1 : [FREE CAREER CLUSTER POSTER SERIES] Exploring Careers: Health Science

Science Career Exploring is a hands-on program open to young men and women from the 6th grade to 20 years old with an interest in learning more about careers in the fields of Science.

Share Ask the Experts: How do I know if being a doctor is the right career for me? Maria Soto-Greene I would recommend that you find an opportunity in which you can experience firsthand whether helping others is what you enjoy doing. I am one of those individuals who enjoyed science. However, it was not until I took a course called "Black Community Health," in which minority physicians provided me with their road to medicine and the great impact one can have on another life that I began to explore medicine. I can say that I am still in love with the career and enjoy mentoring and guiding others. George Richard Do I care deeply about other people, their problems, and their pain? Do I enjoy helping people? Do I enjoy learning, gaining new understanding? Do I often dig deeper into a subject than my teacher requires? Do I understand the value of learning beyond just making good grades? Am I interested in how the human body functions? Am I intrigued by the ways medicine can be used to improve life? If you answered "Yes" to most of these questions, chances are you have the right kind of personality for a medical career. Denice Cora-Bramble You need to follow your heart and passion. Medicine is an immensely rewarding career, but it requires hard work and sacrifice. Is this too much? Maria Soto-Greene Increasingly, students entering medical school are non-traditional in many ways. In reviewing the ages of our current first-year class at the New Jersey Medical School, 29 out of were between the ages of , and three were over In fact, we have had from three to nine students in any given class who are over the age of 35 in the past four years. If you really want a career in medicine, age should not be a factor. Some of our best students are older. George Richard Only you can truly answer that question, but you would not be alone in starting a career in medicine as a "non-traditional" student. Many people enter medical school after completing another degree, or after having been in the workforce for a number of years. These programs are usually combined so that students can complete them in a slightly shorter period of time than if you were to complete the programs separately. Nevertheless, you do have a "leg up" with a doctorate in public health, which can increase your appeal in the job market. Public health focuses on community-based approaches, whereas a career in medicine often maintains an individual focus. If you have an interest in helping patients in a one-to-one situation, then perhaps the medical school option is worth considering. If you decide to go to medical school you should plan to commit at least seven years four years of medical school, plus at least three years of residency. Howard Dickler If you feel a calling to medicine, then by all means respond to it. More and more medical students these days are older than the prototypic student fresh out of college, so you will definitely not be out of place. But as you point out, it involves four more years of school plus post-graduate residency training. So, you should carefully consider what you wish to do when you are finished. If the answer is research, then you will have to consider what kind, because your doctorate in public health will equip you to participate in many types of research including clinical, translational, and health services research. Typically, a medical student becomes involved in summer research. You complete the first two years of medical school, do three to four years of research, and then return into your third and fourth years of medical school. We do have a paucity of physician-scientists and, in particular, those who are underrepresented in medicine. This can be in any of a number of scientific areas, including biochemistry, cell biology, biomedical engineering, genetics, epidemiology, molecular biology, neuroscience, and others. Another route to a research career is through the completion of a research fellowship following receipt of the M. Other employment opportunities exist in both government e. The field is small only about 5 percent of the physician workforce , but demand is strong due to the aging of the physician-scientist population and the unbelievable growth of medical research, discovery, and innovation. This is an exciting time to go into the medical research field. Howard Dickler There are many different pathways a physician can become engaged in research. For example, I became an investigator more by chance than by plan. During my residency training in medicine, I had the opportunity to spend six months working with an eminent scientist and the experience changed my life and my direction. These are generally seven-year programs that involve three years of thesis work conducted between the second and third years of

the medical school curriculum. This provides a very strong background for doing biomedical research. In addition, most programs provide your tuition, fees, and a stipend to live on for the duration of the program. You can get details on these programs at the Web site of each medical school. The opportunities for research are almost endless. There are many different kinds: If you have an inquisitive mind and like to solve problems, a career in research is richly rewarding. Even when you think you know, it is not until you enter the clinical years third and fourth years of medical school that you really experience the various specialties and go for the one you love. You will need to decide no later than the beginning of your fourth year since you will need to begin to apply for residency training programs. In terms of other careers for M. George Richard For most people, the choice of specialty is made during the last two years of medical school. Prior to that time, students are engaged in a variety of educational opportunities that expose them to the many career options and specialties available in medicine. Your school may offer career planning services to help you select a specialty that fits your interests, values, and personality. While most physicians are employed in clinical practice, there are many other ways to use your medical degree, including teaching and research; working in federal, state, and local governments; and working in private industry. Your direction will be based on your interests and passion for the field. Keep your mind open to the many opportunities that will be presented to you. Where are the different places I can practice medicine? Maria Soto-Greene There are many options. For example, you can work for a medical school, which offers a combination of teaching and clinical practice. We are in need of diversity in academic medicine. This may become your calling. George Richard Most physicians work in either a private practice as a solo practitioner or member of a group practice or clinic or in a hospital. Others work in federal, state, and local governments or in colleges and universities. Depending on your interests, other opportunities exist in business and industry and involve research and development, broadcasting, even serving as expert witnesses in the forensics field. There are also some non-traditional work environments to consider, such as aerospace medicine, undersea and hyperbaric medicine, and international medicine focusing on health needs of special populations and in other parts of the world. I would love to go to med school but my family is my first priority. Maria Soto-Greene Increasingly, we have had students who have families or pursue them while in medical school. In selecting a school, you may want to see what is available. For example, do they have a decelerated option in which you can complete the first two years in three years?

Chapter 2 : Journeys & Destinations : Exploring Careers in Health Science

Exploring Careers in Psychology Dr. Hicks is an Associate Professor and Chair of the Master of Science in Criminal Justice program in the College of Liberal Arts.

Chapter 3 : Exploring Careers @ NASA For Students | NASA

Want to know more about careers in life science? Browse through detailed information on dozens of careers to discover what scientists, engineers, and other STEM professionals really do and what it takes to prepare for these careers.

Chapter 4 : exploring careers in science | Download eBook pdf, epub, tuebl, mobi

The cluster of careers found in "Science, Technology, Engineering & Mathematics" encompasses planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Chapter 5 : Exploring Careers in Science: Paths | Careers in Science | STEM CORE | TTU

Numerous students attended Journeys & Destinations: Exploring Careers in Health Science, at the Hays Medical Center. Students learned about Radiology, Operating Room Techs, Paramedics, Chiropractic, Respiratory Therapy, Integrative Therapy & Obstetrical Nursing.

Chapter 6 : Careers in Science

Exploring Careers in Science. Investigate the "S" in STEM by exploring exciting career opportunities in the Air Force (and beyond) by using online resources from the Air Force and USA TODAY.

Chapter 7 : Ask the Experts: Exploring Medical Careers

One of the main goals is to expose students to a wide range of science careers and to get them excited about their different career choices in the science field. The project looks at it from a selling point, where the students are career recruitment officers for potential employees.