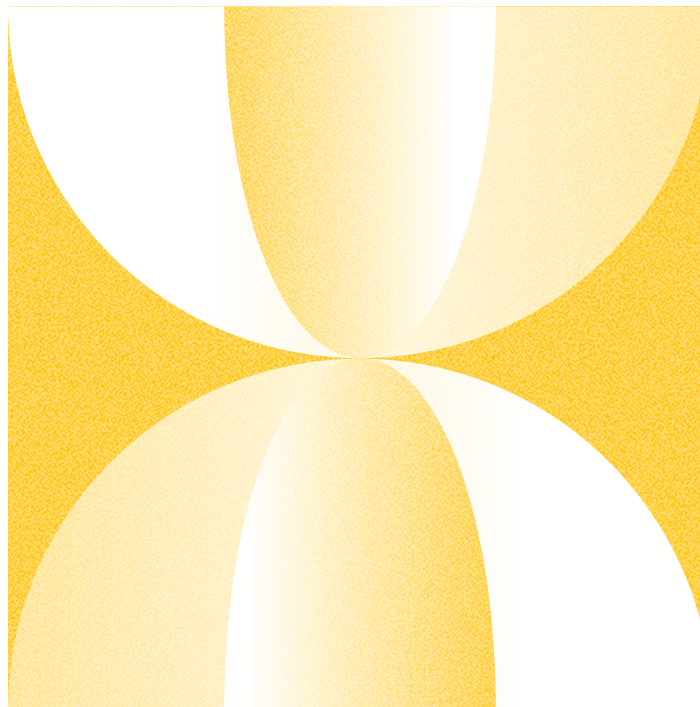## Explore Your future in Science

Are you curious about the natural world and how it works? Do you enjoy solving problems and discovering new things? Do you want to make a positive impact on society and the environment? If you answered yes to any of these questions, then you might be interested in pursuing a career in science!

Science is a broad and diverse field that encompasses many disciplines, such as research, computer science, medicine, nursing, and more. Each discipline has its own challenges, opportunities, and rewards. In this pamphlet, we will introduce you to some of the exciting and rewarding careers that you can explore in science.

BOTSWANA HARVARD AIDS INSTITUTE

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Unleash your full potential in science!

Research

Research is the process of creating new knowledge by asking questions, conducting experiments, analyzing data, and communicating findings.

Some examples of research careers are:
- Biologist
- Chemist
- Physicist
- Mathematician

To become a researcher, you typically need to complete a bachelor's degree in your chosen field of science and then pursue a master's or doctoral degree. You also need to have strong skills in critical thinking, creativity, communication, and collaboration.

Computer Science

Computer science is the study of computation and its applications. Computer scientists design and develop software systems that can perform various tasks.

Some examples of computer science careers are:
- Software Engineer
- Data Scientist
- Cybersecurity Analyst
- Artificial Intelligence Engineer

To become a computer scientist, you typically need to complete a bachelor's degree in computer science or a related field. You may also need to pursue a master's or doctoral degree if you want to specialize in a certain area or conduct research. You also need to have strong skills in programming languages (e.g., Java or C++), mathematics (e.g., discrete math or linear algebra), logic (e.g., algorithms or data structures), and problem-solving.

Medicine

Medicine is the science and practice of diagnosing, treating, and preventing diseases and injuries. Medical professionals work in various settings, such as hospitals, clinics, or laboratories.

Some examples of medical careers are:
- Doctor
- Nurse
- Pharmacist
- Dentist

To become a medical professional, you typically need to complete a bachelor's degree and then pursue a professional degree in your chosen field of medicine. You also need to pass licensing exams and complete residency or internship programs.

Nursing

Nursing is the profession of providing care and support to individuals, families, and communities who are affected by health issues.

Some examples of nursing careers are:
- Registered Nurse
- Licensed Practical Nurse
- Nurse Practitioner
- Nurse Anaesthetist

To become a nurse, you typically need to complete a degree or program in nursing and pass the relevant licensing exam. You may also need to pursue further education or certification

Finance and Grants

Finance and grants are careers that involve managing and obtaining money for various purposes and goals. Finance is the science and art of money management, while grants are the funds that are given by an entity to another entity for a specific project or cause. Both careers require skills in mathematics, analysis, communication, and problem-solving.

Some examples of finance careers are:
- Corporate Finance
- Financial Services
- Grant Writing
- Public Finance

If you are interested in finance and grants careers, you should prepare yourself by taking relevant courses in high school and college, such as math, economics, accounting, or business. You should also seek internships or volunteer opportunities that can give you hands-on experience and exposure to the field. You should also consider pursuing professional certifications or advanced degrees that can enhance your qualifications and credentials.

Why choose a career in Science?

Science: A career that challenges, inspires, and transforms

Science: A career of wonder, discovery, and creativity