## Career Pathway Information Sheet

### Science, Technology, Engineering & Math

A career in science, technology, engineering or mathematics is exciting, challenging and ever-changing. Learners who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

**Sample Careers:**
- Aerospace Engineer
- Crime Scene Investigator
- Electrical Engineer
- Environmental Consultant
- Forensic Scientist
- Mechanical Engineer
- Meteorologist
- Oceanographer
- Solar Energy Tech
- Zoologist

### Biotechnology

Careers in the biotechnology research and development pathway involve bioscience research and development as it applies to human health. These scientists may study diseases to discover new treatments or invent medical devices used to directly assist patients or to improve the accuracy of diagnostic tests.

**Sample Careers:**
- Bioethicist
- Biological Tech
- Biologist
- Biomedical Engineer
- Biotechnologist
- Geneticist
- Microbiologist
- Pharmacologist
- Quality Controller
- Researcher

### Business & Entrepreneurship

An education based around business and entrepreneurship generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Students will learn about management theory, human resources management and behavior, basic accounting, purchasing and logistics, organization and production, marketing, and business decision-making.

**Sample Careers:**
- Advertising Account Executive
- Certified Public Accountant
- Corporate Trainer
- Entrepreneur
- Event Planner
- Forensic Accountant
- Human Resources Specialist
- Market Research Analyst
- Public Relations Specialist
- Retail Buyer

### Information Technology

IT careers involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. In addition to careers in the IT industry, IT careers are available in every sector of the economy—from financial services to medical services, from business to engineering and environmental services.

**Sample Careers:**
- Business Systems Analyst
- Computer Animator
- Computer Network Specialist
- Electronics Engineer
- Information Security Analyst
- Multimedia Developer
- Computer Programmer
- Computer Software Engineer
- E-Business Consultant
- Website Designer

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