



CAREER EXPLORATIONS II
ONLINE
NFC ACADEMY

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CAREER EXPLORATIONS II ONLINE

COURSE OVERVIEW

The Career Explorations I & II course is designed to give seventh- and eighth-grade students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving human-related services.

Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student. Students may take just one semester of the either I or II or take both semesters.

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CAREER EXPLORATIONS II

UNIT 1 - INFORMATION TECHNOLOGY

1. **Course Overview**
2. **Computer Systems and Networks**
3. **Network Ethics and Security**
4. **Project: Benefit Analysis Study: Small Business Expansion**
5. **Information Storage**
6. **Project: Correspondence Between Stringer and Newspaper Editor: Media**

Preview

7. **Quiz: Computer Systems and Networks**
8. **Internet in Business and Society**
9. **Human-Centered Technology**
10. **Mobile Computing**
11. **Quiz: Internet in Business and Society**
12. **Test**
13. **Glossary and Credits**

UNIT 2 – INTRODUCTION TO INFORMATION SUPPORT AND SERVICES

1. **Supporting the Business Workflow Model**
2. **Project: Understanding Software Development Models**
3. **Operating Systems, Hardware, and Software Selection**
4. **Project: Building a Mind Map**
5. **Implementation and End-User Training**
6. **Project: Preparing a Support Plan**
7. **Quiz: On-Premise Systems**
8. **Public Clouds**
9. **Project: Moving to the Cloud**
10. **Private Clouds**
11. **Hybrid Clouds**
12. **Quiz: Cloud-Based Systems**
13. **Test**
14. **Glossary and Credits**

UNIT 3 – INTRODUCTION TO NETWORK SYSTEMS

- 1. Networking Concepts**
- 2. Project: Report: Technology Devices**
- 3. Network Devices and Components**
- 4. Network Topologies**
- 5. Project: Hardware Awareness**
- 6. Quiz: Computer Networks**
- 7. The OSI Reference Model**
- 8. The TCP/IP Networking Model**
- 9. Data Encapsulation**
- 10. Project: Slide Show: Data Encapsulation**
- 11. Quiz: OSI and TCP/IP Networking Models**
- 12. Test**
- 13. Glossary and Credits**

UNIT 4 – INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES

- 1. People and Agriculture**
- 2. Project: People, Agriculture, and Society**
- 3. Advances in Agriculture**
- 4. Today's Agricultural Consumer**
- 5. Quiz: Overview of Agriculture**
- 6. Sustainable Agriculture**
- 7. Project: Research and Learn: The Power of Pool!**
- 8. Agriculture and the Economy**

9. **Project: Research and Learn: Commodities and Exchanges**
10. **Food Distribution and Safety**
11. **Quiz: Agriculture's Role in Society**
12. **Test**
13. **Glossary and Credits**

UNIT 5 – INTRODUCTION TO STEM

1. **What is STEM Education?**
2. **The Great Discoverers and Discoveries**
3. **Project: Timeline of Great Discoverers and Discoveries in the STEM Field**
4. **Identify Careers in Science, Technology, Engineering, and Mathematics**
5. **Project: Exploring Careers in the STEM Field**
6. **Quiz: Introduction**
7. **Get Organized: Outlines and Outliners!**
8. **Project: Create a Google Website**
9. **Get Organized: Mind Maps and Mind Mapping!**
10. **Education and Training in STEM**
11. **Quiz: What Lies Ahead?**
12. **Test**
13. **Glossary and Credit**