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| --- | --- | --- | --- |
| Title: **Lesson 1: Introduction to Apprenticeships** | | | |
| Teacher Name: | | | Duration (in minutes): |
| Grade Level(s): **9-12** | Subject/Course: **Career Research** | | |
| **Resources needed:**  On-site people, facilities, tools, technology, materials, community connections |  | | |
| Learning Standards: | **CDOS Standard 1A: Career Development**  **CDOS Standard 2C: Integrated Learning**  **CDOS Standard 3A: Career Plan Development** | | |
| Big Idea & Authentic Purpose:  Why does this matter to your students?  How will this be helpful to your students? | What is an Apprentice?  Insight and explanation of apprenticeships.  What apprenticeships are available to me?  Providing tools to help the student understand what specific job interest they may have available to them. | | |
| Type of Career Content   * Career Development/Awareness * Integrated Learning * Universal Foundational Skills * Career Specific | Have students answer online skill matching questions to match their skills and abilities. Provide feedback from the exercise that will help them to begin formulating ideas about possible careers of interest.  Introduce several different jobs that require an apprenticeship | | |
| **Relevancy:**  How does it connect to students' lives? | Students that are undecided about a college career may want to consider a trade school as it is another form of Higher Education that leads to learning an important skill with positive career and financial outcomes. | | |
| **Objective(s):**  Providing information about apprenticeships that will assist a student gain a better understanding of what they are, what they do, and how they can personally benefit from an alternative opportunity after High School. | | Assessment(s):  **Vocabulary Matching**  **Investigation What is out there?**  **Reflection: What did you learn?**  **Where job fits you?**  **What is your next step?** | |
| **Knowledge Construction: How are students going to construct content knowledge and practice it?**  **Beginning of lesson (5-10 minutes)**  **Warm Up**: Career exploration ([Skills Matcher](https://www.careeronestop.org/Toolkit/Skills/skills-matcher.aspx)) Individual and Group Comparative Analysis.  Introduction and definition of terms that will be used. Provide the matching game as a knowledge check. | | | |
| **Middle of lesson (15 minutes)**  **Resource Video Link:** [New York State Registered Apprenticeship Program Overview](https://www.youtube.com/watch?v=MGfYUxYQpPA) (<https://www.youtube.com/watch?v=MGfYUxYQpPA> ) | | | |
| **End of lesson (5-10 minutes)**  **REFLECTION:**  Students sharing results of online skills match and roundtable discussion of what they learned and next steps. | | | |

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| Title: **Lesson 2: Apprenticeships, Sponsors & Opportunities** | | | |
| Teacher Name: | | | Duration (55-60 minutes): |
| Grade Level(s): **9-12** | Subject/Course: **Career Research** | | |
| Resources needed:  On-site people, facilities, tools, technology, materials, community connections | **Laptop, paper, pen or pencil. Occupational Interest Notebook.** | | |
| Learning Standards: | **CDOS Standard 1B: Career Development**  **CDOS Standard 2A: Integrated Learning**  **CDOS Standard 3B: Career Plan Development** | | |
| Big Idea & Authentic Purpose:  Why does this matter to your students?  How will this be helpful to your students? |  | | |
| Type of Career Content   * Career Development/Awareness * Integrated Learning * Universal Foundational Skills * Career Specific | **Warm-Up: Apprenticeship Vocabulary Matching** | | |
| Relevancy:  How does it connect to students' lives? | Provide a level of comfortability to explore, match, and associate their personal goals and skills with opportunities in the workplace. | | |
| **Objective(s):**  Competency in vocabulary knowledge and application to the research and group activities related to Apprenticeships | | **Assessment(s):**  Vocabulary Matching  Investigation  Reflection | |
| **Knowledge Construction:** How are students going to construct content knowledge and practice it?  **Warm-Up: Apprenticeship Vocabulary Matching Game** (5 minutes) | | | |
| Middle of lesson (40 minutes)   * **Research: List of Apprenticeship Industries** (10 Minutes) * **Independent Practice: Apprentice Opportunities Announcements** (10 Minutes) * **Independent Practice: Active Sponsor, Region, and Trades Research** (10 Minutes) * **Exploring Apprenticeship through the DOL Apprenticeship Trades List** (10 Minutes) | | | |
| End of lesson (5-10 minutes)  **Reflection (5 minutes):**  What did you learn about yourself today? How can you apply that knowledge to future employment opportunities? What are your next steps in this investigative process? | | | |

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| Title: L**esson 3: Deep Dive** **Into Apprenticeship Opportunities** | | | |
| Teacher Name: | | | Duration (in minutes): |
| Grade Level(s): **9-12** | Subject/Course: **Career Research** | | |
| Resources needed:  On-site people, facilities, tools, technology, materials, community connections | Smartboard | | |
| Learning Standards: | * **CDOS Standard 1C: Career Development** * **CDOS Standard 2B: Integrated Learning** * **CDOS Standard 3C: Career Plan Development** | | |
| Big Idea & Authentic Purpose:  Why does this matter to your students?  How will this be helpful to your students? | Types of Apprenticeships  Listing, explanation of apprentice offerings by region. Use the link to Direct Entry Apprenticeships  What apprenticeships do I like?  Providing tools to help the student understand what specific job interest they may have. | | |
| Type of Career Content   * Career Development/Awareness * Integrated Learning * Universal Foundational Skills * Career Specific | Have students choose 2-3 apprenticeships of interest. Have them research those choices and present to class  Introduce several different jobs that require an apprenticeship | | |
| Relevancy:  How does it connect to students' lives? |  | | |
| **Objective(s):**  Competency in vocabulary knowledge and application to the research and group activities related to Apprenticeship Careers | | Assessment(s):  Vocabulary Crossword  Matching Game  Post Assessment Test | |
| Knowledge Construction: How are students going to construct content knowledge and practice it?  Beginning of lesson (5-10 minutes) **Warm- Up:** **Apprenticeship Charade /Warm-Up: Apprenticeship Vocabulary Crossword** | | | |
| Middle of lesson (40 minutes) **Individual Research: What is a Pre-Apprentice, How Can You Start?**  **Group Work: Research and Discussion** <https://dol.ny.gov/youth-ages-14-17> | | | |
| End of lesson (5-10 minutes)   * **Reflection:** Reflect on one direct apprenticeship program that interests you and how it aligns with your interests. | | | |

#### **Summary For Educators**

#### **Positive Sentiment:** These lesson plans underscore NYSDOL's pivotal role in empowering educators with resources that promote hands-on learning and robust career preparation for students. Activities such discussions, independent research, group work and vocabulary exercises were directly influenced by insights gained through the NYSDOL Teacher Ambassador Program, enriching career readiness education.

#### **NYSDOL Resources Highlighted:** These lessons introduce apprenticeships as viable alternatives to traditional college education, leveraging the robust resources from the New York State Department of Labor (NYSDOL) highlighting NYSDOL's website and tools including the following:

#### NYSDOL’s A Path to a Skilled Career

#### NYSDOL's Apprenticeship Announcements

#### NYSDOL Active Sponsor Directories

#### NYSDOL Direct Entry Programs

#### NYSDOL’s Sitemap

#### NYSDOL Youth Ages 14-17 Webpage

#### Career One Stop Skills Matcher

#### **Educator Script:** Revision of the traditional tone of a lesson plan was also addressed. Replacing the term "teacher script" with "educator script" in order to ensure that counselors, librarians, and other educators can effectively utilize these resources.

#### **Student Centered:** The lesson plans provided offer a student-centered approach to educating students about apprenticeships and their benefits. In addressing career aspirations, students are encouraged to explore various career paths through apprenticeships and reflect on their own goals. They are prompted to imagine their future careers, considering both traditional and non-traditional routes. If a college education isn’t the chosen path, students learn about alternative methods to achieve their career aspirations, such as job shadowing, internships, vocational training, and ultimately apprenticeships.

#### **Student Outcomes:**

#### **Earn While Learning:** This would mean they can help support themselves financially while they gain skills and knowledge. The ability to earn an income while studying would reduce financial stress and make education more accessible to a wider range of people.

#### **Without College Debt:** Avoiding the burden of student loans would have a long-term positive impact on their financial well-being. They could start their careers without the pressure of repaying substantial debt, allowing for more financial freedom and opportunities for investment in other areas of life.

#### **Guided Mentorship:** Having access to experienced mentors would provide invaluable guidance, support, and networking opportunities. This could lead to better career prospects and personal growth, as they would be learning directly from professionals in their field.

#### **Lucrative Trade Skills:** Learning a high-paying trade means they would have a stable and potentially very rewarding career. Trades such as electrical work, plumbing, welding, or IT can offer excellent job security and opportunities for advancement.

#### **21st Century Skills:** Acquiring skills relevant to today's job market, such as digital literacy, coding, data analysis, and cybersecurity, would ensure they remain competitive and adaptable in an ever-evolving job market.

#### **Certification:** Earning a certification faster than a traditional college degree would allow them to enter the workforce sooner, gaining practical experience and advancing their careers more quickly.

#### Overall, such a program is incredibly beneficial, providing a comprehensive and efficient pathway to successful and fulfilling careers without the financial strain often associated with higher education.

**Lesson 1: Introduction to Apprenticeships**

**Objective:** By the end of this lesson, students will be able to define apprenticeships, explain their benefits, and identify personal interests and skills that match careers in various industries.

**CDOS Standard Alignment:**

* CDOS Standard 1A: Career Development
* CDOS Standard 2C: Integrated Learning
* CDOS Standard 3A: Career Plan Development

**Activities:**

1. **Warm-Up: Discussion: Introduction to Apprenticeships** (10 Minutes)
   * **Educator Script:** "Over the next few days we will be diving into apprenticeships offered through the New York State Department of Labor. Let’s begin with a discussion about your career aspirations.
     + Question: What careers do you see yourself pursuing?
       - Imagine choosing a career which may not require attending a College or University. What would that look like to you?

Here are some career paths to consider:

* + - * + Job Shadowing
        + Internships
        + Trade Schools
        + Entrepreneurship
        + Military
        + Online Learning Platforms ([Coursera,](https://www.coursera.org/courseraplus/?utm_medium=sem&utm_source=bg&utm_campaign=B2C_NAMER__coursera_FTCOF_courseraplus_country-US-country-CA&campaignid=415418913&adgroupid=1249046528492678&device=c&keyword=coursera%2B&matchtype=e&network=o&devicemodel=&adposition=&creativeid=&hide_mobile_promo&msclkid=c9a4d540f3ec1c42632fb3d734bc97d1&utm_term=coursera%2B&utm_content=Coursera%20related%20(evergreen%20duplicate%20%2B%20enterprise%20sitelinks%20%2F%20ads)) [Udemy,](https://www.udemy.com/) [LinkedIn Learning](https://www.linkedin.com/learning-login/))
        + Apprenticeships - “Learn to Earn” Programs
  + **Student Directions:** Reflect on your career aspirations and think about the types of careers you envision for yourself. Consider what paths you might take if college wasn’t part of your career journey. Discuss with your peers the different ways to achieve your career goals, such as job shadowing, internships, and apprenticeships. Share your thoughts on how these pathways may align with your interests and future plans.

1. **Independent Practice: Skills Matcher** (15 Minutes)
   * **Educator Script:** "Before we dive into researching specific apprenticeships, let's begin by identifying which skilled trades align best with your interests and strengths using the “Skills Matcher." CareerOneStop provides valuable tools like the 'Skills Matcher' to help scholars align their skills with apprenticeship opportunities, supporting their career exploration.
   * **Student Directions:** Use the "Skills Matcher" tool from CareerOneStop to match your skills with potential skilled trades that interest you. Once you have identified your strongest matches, we will proceed to research apprenticeship opportunities that align with these trades.
   * **Resource Link:** [Skills Matcher](https://www.careeronestop.org/Toolkit/Skills/skills-matcher.aspx)
   * <https://www.careeronestop.org/Toolkit/Skills/skills-matcher.aspx>
2. **Group Work: Comparative Analysis** (10 Minutes)
   * **Educator Script:** "Now, let’s team up and share our results from the Skills Matcher activity. Theorize the skills needed for the careers suggested from the Skills Matcher. This activity will help you see how your skills may match up with different apprenticeships."
   * **Student Directions:** Discuss with your classmates the results from the Skills Matcher activity. Identify and discuss the specific skills needed for the careers suggested by the Skills Matcher. Consider how these skills align with your own strengths and interests. Brainstorm additional careers that require similar skills and discuss potential apprenticeship paths that match your career aspirations. This activity aims to deepen your understanding of how your skills can lead to diverse apprenticeship opportunities.
3. **Direct Instruction**: **Introduction to Apprenticeships** (5 Minutes)
   * **Educator Script:** Apprenticeships are structured programs that combine on-the-job training with classroom instruction. They offer a unique opportunity to earn while you learn and gain practical experience in your chosen field. The NYSDOL ensures that apprenticeships provide hands-on learning experiences that prepare students for successful careers in diverse industries."
   * **Student Directions:** Watch a video overview of the New York State Registered Apprenticeship Program to understand how these programs are structured and what they offer.
   * **Resource Video Link:** [New York State Registered Apprenticeship Program Overview](https://www.youtube.com/watch?v=MGfYUxYQpPA) (<https://www.youtube.com/watch?v=MGfYUxYQpPA> )
4. **Apprenticeship Vocabulary Review** (15 Minutes)
   * **Educator Script:** "Take a moment to review and understand these terms as they will be important in our discussions and activities throughout this unit."
   * **Student Directions:** Review the provided list of vocabulary words related to apprenticeships. Define each term in your own words and use each term in a sentence to demonstrate understanding.
   * **Resource Link:** Vocabulary List - Document

**6. Reflection (5 Minutes)**

* **Educator Script:** "Before you leave, take a moment to jot down your thoughts on what apprenticeships mean to you now and how they might fit into your future plans. Reflect on one key aspect you've learned today about apprenticeships that resonates with your career aspirations."
* **Student Directions:** Reflect on one thing you learned today about apprenticeships.

**Lesson 2: Apprenticeships, Sponsors & Opportunities in NYS**

**Objective:** By the end of this lesson, students will be able to identify the specific skills required for various apprenticeship programs and evaluate their readiness for apprenticeship opportunities.

**CDOS Standard Alignment:**

* CDOS Standard 1B: Career Development
* CDOS Standard 2A: Integrated Learning
* CDOS Standard 3B: Career Plan Development

**Activities:**

1. **Warm-Up: Apprenticeship Vocabulary Matching** (10 Minutes)
   * **Educator Script:** "Let’s start by reviewing our apprenticeship vocabulary. Match each term with its definition to ensure we understand these key concepts before diving into today’s discussion."
   * **Student Directions:** Match each term from the vocabulary list with its corresponding definition or description. Write the letter of the definition next to the appropriate term.
   * **Resource Link:** Vocabulary Matching Activity - Document

2. **Exploring Apprenticeship through the DOL Apprenticeship Trades List (15 Minutes)**

* **Educator Script:** "Today, we’re going to take a deep dive into The Trades List. This resource can greatly enhance your understanding of different apprenticeship fields.
* **Student Directions:** Scroll the 10 pages to find trades that peak your interest.
* **Resource Link:**<https://dol.ny.gov/apprenticeship/apprenticeship-trades>

3. Research A Trades you picked

* **Educator Script:** Occupations Key Word Search, type in Job
* **Student Directions:**  Occupations Key Word Search, Look up
* Wages & Employment Trends
* Apprenticeship Opportunities
* Training & Credentials
* **Resource Link:**[https://www.onetonline.org/](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.onetonline.org%2F&data=05%7C02%7CMark.Mutton%40labor.ny.gov%7C1f0f157182774dd6acfb08dcaccde3a0%7Cf46cb8ea79004d108ceb80e8c1c81ee7%7C0%7C0%7C638575247487492818%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=YdkoWa8hrguM%2FJmQHVlFf%2Box56n%2B02ypFNSgOiSdmeo%3D&reserved=0)

**3. Research: List of Apprenticeship Industries** (10 Minutes)

* **Educator Script:** "Today, we're exploring the diverse industries that offer apprenticeship opportunities. Apprenticeships provide hands-on training and valuable skills across a wide range of fields, from healthcare to manufacturing. Let's delve into some of these industries to understand the breadth of apprenticeship options available."
* **Student Directions:** Visit the following link to explore various industries that offer apprenticeships. Browse through the industries listed and take note of those that align with your career interests or aspirations. Consider the skills and experiences each industry apprenticeship can offer as you explore.
* **Resource Links:** [List of Apprenticeship Industries](https://www.apprenticeship.gov/apprenticeship-industries) & Key Companies and Programs: (<https://www.apprenticeship.gov/apprenticeship-industries>)
* Key Companies and Programs

**4. Independent Practice: Active Sponsor, Region, and Trades Research** (10 Minutes)

* **Educator Script:** "Take this time to explore the names of sponsors, their respective regions, and the specific trades they offer apprenticeships within New York State."
* **Student Directions:** Search through the List of Active Sponsors provided by the New York State Department of Labor to find information on apprenticeship names, locations, and the trades they specialize in.
* **Resource Link:** [List of Active Sponsors](https://dol.ny.gov/list-active-sponsors) (<https://dol.ny.gov/list-active-sponsors>)

**5. Independent Practice: Apprentice Opportunities Announcements** (10 Minutes)

* **Educator Script:** "Take this time to explore Apprenticeship Opportunities in your area.
* **Student Directions:** Research one apprenticeship program using the New York State Department of Labor Apprenticeship Announcements Opportunities page. Reflect on how it aligns with your personal and career interests.
* **Resource Link:** [Apprenticeship Announcement Opportunities](https://dol.ny.gov/apprenticeship/apprenticeship-announcements) (<https://dol.ny.gov/apprenticeship/apprenticeship-announcements>)

**6. Group Discussion: Sharing Results** (10 Minutes)

* **Educator Script:** "Now that you’ve researched various apprenticeship programs let’s share your findings. Discuss the programs you found and how they align with your personal and career interests."
* **Directions:** Share your findings and how they related to your personal and career interests. This may also inspire others in their career exploration journey.

**7. Reflection (5 Minutes)**

* **Educator Script:** "Before we wrap up, take a moment to reflect on the Apprenticeships you’ve explored today. Consider how these align with your personal and career interests."
* **Student Directions:** Summarize the skills and qualifications needed for your chosen apprenticeship.

**Lesson 3: Deep Dive Into Opportunities**

**Objective:** By the end of this lesson, students will be able to explore getting starting with Apprenticeship opportunities and understand their potential for career advancement and specialization.

**CDOS Standard Alignment:**

* CDOS Standard 1C: Career Development
* CDOS Standard 2B: Integrated Learning
* CDOS Standard 3C: Career Plan Development

**Activities:**

**Option 1: Warm-Up: Apprenticeship Vocabulary Crossword** (10 Minutes)

* + **Educator Script:** "Let’s start with a fun challenge to reinforce our apprenticeship vocabulary. Complete the crossword puzzle using the terms we’ve discussed throughout this unit."
  + **Student Directions:** Complete the crossword puzzle by filling in the correct vocabulary word or term that corresponds to each clue provided. Use your vocabulary list for reference.
  + **Resource:** Vocabulary Crossword

**Option 2: Warm- Up:** Apprenticeship Charades

* **Educator Script:** "Let’s engage in a lively round of 'Apprenticeship Charades' focused on specific apprenticeship skills like welding, electrical work, and more. This game will help reinforce our understanding of these skills in a fun and interactive way."
* **Directions**: Get into 2 teams with your classmates. Each team takes turns acting out different apprenticeship skills silently while your teammates try to guess what skill you're portraying. Switch roles with each round and discuss after each turn to clarify the skills being acted out and deepen your understanding of apprenticeship roles.

**2. Group Work: Discussion** (10 Minutes)

* **Educator Script:** "Time to shine! Share your chosen advanced apprenticeship program with your classmates. Share why it excites you and field questions from fellow explorers.
* **Student Directions:** Share your chosen advanced apprenticeship program, explaining why you chose it, its benefits, and potential career paths. Answer questions from your classmates and discuss how the program aligns with your personal interests and career goals.

**3. Individual Research: What is a Pre-Apprentice, How Can You Start?** (15 Minutes)

* **Educator Script:** "Now that we understand what an apprenticeship is, let's define what a Pre-Apprentice is and explore some amazing resources that can help you become an apprentice while you're still in high school. We will start by visiting the New York State Department of Labor (NYSDOL) [Youth Ages 14-17 webpage](https://dol.ny.gov/youth-ages-14-17). You'll participate in a scavenger hunt to discover key information about the invaluable resources and opportunities available to you. Use the scavenger hunt worksheet to guide your exploration. Visit the website, find the answers to the questions on your worksheet, and write them down."
* **Student Directions:** Visit the NYSDOL Youth Ages 14-17 webpage at <https://dol.ny.gov/youth-ages-14-17> and use the provided scavenger hunt worksheet to find key information about the services available for youth. Write down your answers on the worksheet as you explore the website, and be prepared to discuss your findings with the class.
* **Resouces**

**4. Reflection:** (5 Minutes)

* **Educator Script:** "Before we conclude, reflect on the direct apprenticeship program you explored today. Consider its potential impact on your career path and future goals."
* **Student Directions:** Reflect on one direct apprenticeship program that interests you and how it aligns with your interests.

**5. Post Test** (15 Mins)

* **Teacher Script:** "Now, it's time to assess what you've learned about apprenticeships. This post-test will help gauge your understanding of apprenticeship concepts, vocabulary, and career pathways covered in this unit. Please take out a piece of paper and answer the following questions to the best of your ability."
* **Directions:** Complete the post-test by answering the questions provided. Use your knowledge from the lessons on apprenticeships, including vocabulary, skills matching, and exploration of apprenticeship opportunities. Ensure your responses reflect your understanding of how apprenticeships can support career development and align with personal interests.
* Resource Link: Assessment - Document

**Lesson 1: Apprenticeship Vocabulary List**

1. **Apprenticeship**: A structured program that combines on-the-job training with classroom instruction to prepare individuals for a specific trade or occupation.

*Sentence Example: John enrolled in an electrical apprenticeship to gain the necessary skills and experience to become a licensed electrician.*

1. **Apprenticeship Agreement**: A legal contract that outlines the terms and conditions of an apprenticeship, including the duration, training requirements, and responsibilities of both the apprentice and the employer.

*Sentence Example: The apprenticeship agreement clearly stated the apprentice's hours, wages, and the type of training to be provided.*

1. **Certification Exam**: An assessment that evaluates an individual's knowledge and skills in a specific profession, often required to obtain a professional certification.

*Sentence Example: After completing the nursing program, Maria had to pass the certification exam to become a registered nurse.*

1. **Classroom Instruction**: Formal teaching sessions that are part of an apprenticeship program, covering theoretical knowledge and skills related to the trade.

*Sentence Example: In addition to on-the-job training, apprentices attended classroom instruction twice a week to learn about safety regulations.*

1. **Direct Entry Apprenticeship Programs:** This type of program allows participants to start their training directly, often through agreements with specific organizations or unions, bypassing traditional entry requirements.

*Sentence Example: "Union Builders Ltd. offers a Direct Entry Apprenticeship Program, allowing participants to start their training immediately without traditional prerequisites."*

1. **Entrepreneur**: A person who starts, manages, and assumes the risks of a business or enterprise.

*Sentence Example: As an entrepreneur, Lisa launched her own tech startup and developed innovative software solutions.*

1. **Hands-on Experience**: Practical learning that involves actively using tools and performing tasks related to a specific job or trade.

*Sentence Example: The engineering students gained hands-on experience by working on real-world projects in the lab.*

1. **Internship**: A temporary job position that provides practical experience in a particular field, often for students or recent graduates.

*Sentence Example: Sarah completed a summer internship at a marketing firm to gain industry experience before graduating.*

1. **Job Rotation**: A training method where employees move through different roles or departments to gain a broader understanding and experience of the organization.

*Sentence Example: The company's job rotation program allowed employees to work in various departments, enhancing their versatility and skills.*

1. **Job Shadowing**: An educational activity where an individual observes a professional at work to gain insights into a specific career or job role.

*Sentence Example: The high school student spent a day job shadowing a graphic designer to learn about the profession.*

1. **Journeyman**: A worker who has completed an apprenticeship and is fully trained and qualified in a trade or craft.

*Sentence Example: After five years of training, Mark achieved journeyman status as a plumber.*

1. **Mentor**: An experienced individual who provides guidance, support, and advice to a less experienced person, often in a professional context.

*Sentence Example: The young engineer was grateful for her mentor's support and career advice.*

1. **NYSDOL (New York State Department of Labor)**: The state agency responsible for enforcing labor laws, providing workforce development, and offering employment services in New York.

*Sentence Example: The NYSDOL offers various apprenticeship programs to help residents gain valuable job skills.*

1. **On-the-job Training**: Learning that occurs while performing the actual job, allowing individuals to gain practical experience and skills in a real work environment.

*Sentence Example: The new hire received on-the-job training to familiarize herself with the company's software and procedures.*

1. **Pre-Apprenticeship**: A program designed to prepare individuals for entry into a formal apprenticeship, often providing basic skills and introductory training.

*Sentence Example: The pre-apprenticeship program offered basic carpentry skills and job readiness training to participants.*

1. **Registered Apprenticeship**: An apprenticeship program that meets national training standards set by the U.S. Department of Labor or other accrediting organizations.

*Sentence Example: The electrician's registered apprenticeship provided comprehensive training and a nationally recognized credential upon completion.*

1. **Signatory Employer:** *Any employer, association, committee, or organization that operates a Registered Apprenticeship Program.*

*Sentence Example: As the signatory employer, ABC Company commits to providing training to all its apprentices throughout the durations of the program.*

1. **Skilled Trades**: Occupations that require specialized skills, often acquired through apprenticeships or vocational training, such as electricians, plumbers, and carpenters.

*Sentence Example: Skilled trades are in high demand, offering stable and well-paying career opportunities.*

1. **Soft Skills**: A set of skills, such as communication, teamwork, and problem-solving, that are essential for gaining and maintaining employment.

*Sentence Example: The employability skills workshop helped participants improve their resumes and interview techniques.*

1. **Sponsor:** An organization or employer that manages and oversees the apprenticeship program.

*Sentence Example: Tech Innovations Inc. acted as the sponsor for the apprenticeship, ensuring proper training and support for the apprentices.*

1. **Trade Skills**: Specific abilities and knowledge required to perform tasks related to a particular trade or occupation.

*Sentence Example: The apprenticeship program focused on developing trade skills such as welding and electrical wiring.*

1. **Vocational Training**: Education and training programs that prepare individuals for specific careers or trades, often involving hands-on learning and practical experience.

*Sentence Example: The vocational training center offers courses in automotive repair, culinary arts, and healthcare.*

1. **Work-Based Learning**: Educational approaches that integrate academic learning with practical work experience, helping students apply theoretical knowledge in real-world settings.

*Sentence Example: The university's work-based learning program allowed students to earn academic credit while gaining professional experience at local businesses.*

1. **Youth Apprenticeship**: A program designed for high school students to gain early career experience and training in a specific trade or occupation, often combining school-based and work-based learning.
2. *Sentence Example: The youth apprenticeship program provided high school students with opportunities to work part-time at local manufacturing companies while completing their studies.*

# **Post Assessment: Apprenticeship Opportunities in the Workplace**

**1. What is an apprenticeship?**  
 a. A short-term internship  
 b. A program combining on-the-job training with classroom instruction  
 c. A part-time job during school  
 d. A volunteer program

**2. Which of the following is a common benefit of completing an apprenticeship?**  
 a. Higher student loan debt  
 b. Guaranteed promotion to management  
 c. Earn while you learn  
 d. Unlimited vacation time

**3. Who typically supervises an apprentice?**  
 a. A coworker  
 b. A senior apprentice  
 c. A mentor or journeyman  
 d. A college professor

**4. What type of industries commonly offer apprenticeships?**  
 a. Retail and hospitality  
 b. Construction, healthcare, and IT  
 c. Fast food chains  
 d. Freelance writing

**5. How long do most apprenticeships last?**  
 a. 6 months  
 b. 1 year  
 c. 2 to 5 years  
 d. 10 years

**6. Which of the following is NOT a requirement to join an apprenticeship program?**  
 a. Being at least 18 years old  
 b. Having a high school diploma or equivalent  
 c. Completing a four-year college degree  
 d. Passing an entry test

**7. What is the primary goal of an apprenticeship?**  
 a. To provide free labor to companies  
 b. To prepare individuals for a specific trade or profession  
 c. To offer temporary employment  
 d. To give students college credit

**8. Which organization often sponsors apprenticeship programs?**  
 a. The local library  
 b. Community centers  
 c. Trade unions and companies  
 d. Sports clubs

**9. What is a key difference between an apprenticeship and an internship?**  
 a. Internships are always unpaid  
 b. Apprenticeships are usually longer and lead to certification  
 c. Internships require a college degree  
 d. Apprenticeships are only available in the summer

**10. How can an apprenticeship affect future employment opportunities?**  
 a. It has no impact  
 b. It can limit career options  
 c. It can enhance job prospects and earning potential  
 d. It guarantees a job in the same company

**Answer Key**

1. b. A program combining on-the-job training with classroom instruction
2. c. Earn while you learn
3. c. A mentor or journeyman
4. b. Construction, healthcare, and IT
5. c. 2 to 5 years
6. c. Completing a four-year college degree
7. b. To prepare individuals for a specific trade or profession
8. c. Trade unions and companies
9. b. Apprenticeships are usually longer and lead to certification
10. c. It can enhance job prospects and earning potential

**Scavenger Hunt Cards**

#### **Card 1: Apprenticeship Programs**

1. What types of apprenticeship programs are available for youth aged 14-17?
2. How can participating in an apprenticeship benefit your future career?
3. Find an example of a success story from a youth apprentice. What did they achieve?
4. What industries offer apprenticeships for high school students?

#### **Card 2: Eligibility and Application Process**

1. What are the eligibility requirements for youth apprenticeship programs?
2. How can you apply for an apprenticeship program?
3. What documents or information do you need to apply?
4. Is there any financial assistance available for apprentices? If so, what are the details?

#### **Card 3: Skills and Training**

#### What specific skills can you learn through an apprenticeship?

#### How does on-the-job training differ from classroom instruction in these programs?

#### Are there any certifications or qualifications you can earn through an apprenticeship?

#### How do apprenticeships help in developing employability skills like communication and teamwork?

#### **Card 4: Additional Resources**

1. What additional resources are available on the NYSDOL website for youth seeking apprenticeships?
2. Are there any workshops or events for career development mentioned on the site?
3. Find information about the NYSDOL’s support services for apprentices. What do they offer?
4. Are there any online tools or portals available for youth to explore career options?

#### **Card 5: Career Exploration and Future Opportunities**

1. What are some of the future career opportunities that can arise from completing an apprenticeship?
2. How does career exploration during high school benefit long-term career planning?
3. Find and list any mentorship programs available through the NYSDOL for youth apprentices.
4. What advice is given on the website for youth who are uncertain about their career path?

**Scavenger Hunt Cards: Answers.**

Here are comprehensive examples of specific apprenticeship programs that could be highly relevant for 11th and 12th-grade students, including detailed descriptions of the programs, requirements, benefits, and potential career outcomes.

### **1. Electrician Apprenticeship Program**

**Program Overview:**

* **Provider:** International Brotherhood of Electrical Workers (IBEW) in partnership with National Electrical Contractors Association (NECA)
* **Duration:** 4 to 5 years
* **Description:** This program combines on-the-job training with classroom instruction. Apprentices work under the supervision of experienced electricians, learning to install, maintain, and repair electrical systems in residential, commercial, and industrial settings.

**Requirements:**

* High school diploma or equivalent
* Minimum age of 18
* Aptitude test
* Physical exam and drug screening
* Valid driver's license

**Benefits:**

* Earn while you learn: Apprentices receive a salary that increases with experience.
* Industry-recognized certification: Graduates become Journeyman Electricians.
* Job security: High demand for skilled electricians.
* Potential for further specialization in areas like renewable energy or advanced electrical systems.

**Career Outcomes:**

* Residential Electrician
* Commercial Electrician
* Industrial Electrician
* Electrical Foreman or Supervisor

### **2. Medical Assistant Apprenticeship Program**

**Program Overview:**

* **Provider:** Local healthcare systems in partnership with community colleges (e.g., Kaiser Permanente, Ascension Health)
* **Duration:** 1 to 2 years
* **Description:** Apprentices receive training in both clinical and administrative tasks, such as taking patient histories, drawing blood, and managing patient records. The program includes hands-on experience in healthcare settings and classroom instruction.

**Requirements:**

* High school diploma or equivalent
* Minimum age of 18
* Background check
* Basic understanding of medical terminology

**Benefits:**

* Direct pathway into healthcare: Opportunities to work in various healthcare settings.
* Earn while you learn: Apprentices receive a salary.
* Potential for further education and specialization in areas like nursing or healthcare administration.
* Strong job growth in the healthcare sector.

**Career Outcomes:**

* Medical Assistant
* Phlebotomist
* Healthcare Administrative Assistant
* Pathway to Nursing or other healthcare professions

### **3. IT Apprenticeship Program**

**Program Overview:**

* **Provider:** Local tech companies and community colleges (e.g., IBM's New Collar Program, CompTIA Apprenticeships for Tech)
* **Duration:** 1 to 2 years
* **Description:** This program focuses on areas like cybersecurity, network management, and software development. Apprentices gain hands-on experience in IT environments and receive technical coursework to build their skills.

**Requirements:**

* High school diploma or equivalent
* Minimum age of 18
* Basic computer skills
* Aptitude test

**Benefits:**

* High earning potential: Competitive salaries in the tech industry.
* Opportunities for advancement: Potential to move into specialized roles or management.
* Industry-recognized certifications (e.g., CompTIA, Cisco).
* Growing field with high demand for skilled professionals.

**Career Outcomes:**

* Network Administrator
* Cybersecurity Analyst
* Software Developer
* IT Support Specialist

### **4. Culinary Apprenticeship Program**

**Program Overview:**

* **Provider:** American Culinary Federation (ACF) Apprenticeship Program in partnership with local restaurants and culinary schools
* **Duration:** 2 to 3 years
* **Description:** Apprentices work in professional kitchens, learning cooking techniques, menu planning, and kitchen management under the guidance of experienced chefs. The program includes both on-the-job training and classroom instruction.

**Requirements:**

* High school diploma or equivalent
* Minimum age of 18
* Passion for cooking
* Basic understanding of kitchen safety and hygiene

**Benefits:**

* Hands-on experience: Work in real kitchens under professional chefs.
* Industry-recognized certification: ACF certification as a Certified Culinarian (CC).
* Opportunity to work in various culinary settings: Restaurants, hotels, catering companies.
* Potential for career growth in the hospitality industry.

**Career Outcomes:**

* Line Cook
* Sous Chef
* Pastry Chef
* Executive Chef

### **5. Automotive Technician Apprenticeship Program**

**Program Overview:**

* **Provider:** National Institute for Automotive Service Excellence (ASE) in partnership with local auto repair shops and dealerships
* **Duration:** 3 to 4 years
* **Description:** Apprentices receive training in diagnosing, repairing, and maintaining vehicles. The program includes both classroom instruction and hands-on work in repair shops.

**Requirements:**

* High school diploma or equivalent
* Minimum age of 18
* Mechanical aptitude
* Valid driver's license

**Benefits:**

* Industry-recognized certification: ASE certification.
* High demand for skilled technicians: Job security and career opportunities.
* Potential for specialization: Areas like diesel engines, high-performance vehicles, or hybrid/electric vehicle technology.
* Earn while you learn: Apprentices receive a salary.

**Career Outcomes:**

* Automotive Technician
* Diesel Mechanic
* Service Manager
* Automotive Engineer

There are several scholarships and financial assistance options available for students interested in apprenticeship programs. These resources can help cover costs associated with training, tools, and other necessary expenses. Here are some options:

### **Scholarships and Financial Assistance for Apprenticeship Programs**

#### **1. Workforce Innovation and Opportunity Act (WIOA)**

* **Description:** WIOA is a federal program that provides funding for workforce development, including apprenticeships. It helps individuals access training and employment services.
* **Eligibility:** Varies by state, but generally targets unemployed or underemployed individuals.
* **Benefits:** Funding for tuition, books, and other training-related expenses.
* **How to Apply:** Contact your local American Job Center or workforce development board.

#### **2. Pell Grants**

* **Description:** A federal grant program for low-income students to help pay for education-related expenses.
* **Eligibility:** Based on financial need, as determined by the FAFSA (Free Application for Federal Student Aid).
* **Benefits:** Grants do not need to be repaid and can be used for tuition, fees, and other educational expenses.
* **How to Apply:** Complete the FAFSA.

#### **3. Trade-Specific Scholarships**

* **Electrical Trade:**
  + **Mike Rowe Works Foundation Work Ethic Scholarship Program**
  + **Description:** Provides financial support to individuals pursuing a career in the skilled trades.
  + **Eligibility:** Must demonstrate a strong work ethic and have a desire to pursue a career in a skilled trade.
  + **How to Apply:** Submit an application, including a video, essay, and references. More details can be found on the Mike Rowe Works Foundation website.
* **Healthcare Trade:**
  + **Tylenol Future Care Scholarship**
  + **Description:** Provides scholarships to students pursuing healthcare-related careers.
  + **Eligibility:** Open to students in healthcare programs, including medical assistant apprenticeships.
  + **How to Apply:** Submit an application, including transcripts and an essay. Details can be found on the Tylenol Scholarship website.

#### **4. State and Local Scholarships**

* **Description:** Many states and local organizations offer scholarships specifically for students in apprenticeship programs.
* **Examples:**
  + **California Apprenticeship Council Scholarships:** Provides scholarships for apprentices in California.
  + **Michigan Works! Apprenticeship Scholarships:** Offers financial assistance for apprentices in Michigan.
* **How to Apply:** Check with your stateâ€™s department of labor or local workforce development board for specific scholarships and application procedures.

#### **5. Employer-Sponsored Programs**

* **Description:** Some employers offer scholarships or financial assistance to apprentices as part of their apprenticeship programs.
* **Examples:**
  + **Amazon Technical Apprenticeship Program:** Provides training and financial support for apprentices in IT-related fields.
  + **Siemens Apprenticeship Program:** Offers financial support for apprentices in various technical fields.
* **How to Apply:** Inquire directly with the employer or program coordinator.

#### **6. Union Scholarships**

* **Description:** Many trade unions offer scholarships and financial assistance to their members and their families.
* **Examples:**
  + **International Brotherhood of Electrical Workers (IBEW) Local Union Scholarships**
  + **United Brotherhood of Carpenters (UBC) Scholarships**
* **How to Apply:** Contact your local union chapter for specific scholarship opportunities and application procedures.

#### **7. Community and Technical College Scholarships**

* **Description:** Many community and technical colleges offer scholarships specifically for students enrolled in apprenticeship programs.
* **Examples:**
  + **College of the Sequoias Apprenticeship Scholarships:** Offers scholarships for students in various apprenticeship programs.
  + **Central Piedmont Community College Apprenticeship 2000 Scholarship:** Provides financial assistance for apprentices in technical fields.
* **How to Apply:** Visit the financial aid office of your community or technical college for more information.

### **How to Find and Apply for Scholarships**

1. **Research Online:**
   * Use scholarship search engines like Fastweb, Scholarships.com, and CareerOneStop.
   * Visit websites of professional organizations related to your trade.
2. **Talk to Your School Counselor:**
   * School counselors often have information on local and national scholarships.
3. **Contact Apprenticeship Program Coordinators:**
   * Program coordinators can provide information on available financial assistance.
4. **Complete the FAFSA:**
   * Many scholarships and grants require the FAFSA to determine financial need.
5. **Prepare Your Application Materials:**
   * Gather transcripts, letters of recommendation, and write essays as required.

By exploring these scholarships and financial assistance options, students can find the support they need to pursue their apprenticeship goals without financial burden. Encourage students to research and apply for multiple scholarships to increase their chances of receiving financial aid.

Here is a comprehensive list of industries offering advanced apprenticeships in Aerospace, Cybersecurity, and Renewable Energy, including examples of specific programs, key companies, and the types of apprenticeships available in each industry.

### **Aerospace Industry**

#### **Key Companies and Programs:**

1. **Boeing**
   * **Program:** Boeing Aerospace Apprenticeship Program
   * **Description:** Offers apprenticeships in various areas including aircraft maintenance, avionics, and manufacturing.
   * **Location:** Multiple locations across the United States.
2. **Lockheed Martin**
   * **Program:** Lockheed Martin Advanced Manufacturing Technician Apprenticeship Program
   * **Description:** Focuses on advanced manufacturing techniques, including CNC machining, composite fabrication, and assembly.
   * **Location:** Various locations including Fort Worth, TX, and Marietta, GA.
3. **Airbus**
   * **Program:** Airbus Global Graduate Programme
   * **Description:** Provides apprenticeships in aerospace engineering, maintenance, and production.
   * **Location:** Locations in Europe and the United States, including Mobile, AL.
4. **Northrop Grumman**
   * **Program:** Northrop Grumman Aerospace Apprenticeship Program
   * **Description:** Offers apprenticeships in areas such as systems engineering, avionics, and aircraft maintenance.
   * **Location:** Various locations including Palmdale, CA, and Baltimore, MD.

#### **Types of Apprenticeships:**

* Aerospace Engineering
* Aircraft Maintenance Technician
* Avionics Technician
* CNC Machinist
* Composite Fabricator
* Quality Assurance Inspector

### **Cybersecurity Industry**

#### **Key Companies and Programs:**

1. **IBM**
   * **Program:** IBM Apprenticeship Program in Cybersecurity
   * **Description:** Provides training in cybersecurity analysis, incident response, and network security.
   * **Location:** Multiple locations across the United States.
2. **Cisco**
   * **Program:** Cisco Cybersecurity Apprenticeship Program
   * **Description:** Focuses on network security, threat detection, and cybersecurity operations.
   * **Location:** Multiple locations including San Jose, CA, and Research Triangle Park, NC.
3. **Microsoft**
   * **Program:** Microsoft Cybersecurity Apprenticeship Program
   * **Description:** Offers apprenticeships in cybersecurity engineering, threat intelligence, and security operations.
   * **Location:** Various locations including Redmond, WA.
4. **CompTIA**
   * **Program:** CompTIA Apprenticeships for Tech
   * **Description:** Provides training in cybersecurity fundamentals, ethical hacking, and security compliance.
   * **Location:** Nationwide

#### **Types of Apprenticeships:**

* Cybersecurity Analyst
* Network Security Specialist
* Incident Response Technician
* Ethical Hacker
* Security Operations Center (SOC) Analyst
* Cybersecurity Engineer

### **Renewable Energy Industry**

#### **Key Companies and Programs:**

1. **Siemens**
   * **Program:** Siemens Energy Apprenticeship Program
   * **Description:** Offers apprenticeships in wind turbine technology, solar energy, and energy management.
   * **Location:** Multiple locations including Orlando, FL, and Fort Madison, IA.
2. **Tesla**
   * **Program:** Tesla START Program
   * **Description:** Provides training in solar panel installation, energy storage systems, and electric vehicle technology.
   * **Location:** Various locations including Fremont, CA.
3. **NextEra Energy**
   * **Program:** NextEra Energy Renewable Energy Apprenticeship Program
   * **Description:** Focuses on wind energy, solar energy, and energy storage solutions.
   * **Location:** Various locations including Juno Beach, FL.
4. **Vestas**
   * **Program:** Vestas Wind Technician Apprenticeship Program
   * **Description:** Provides training in wind turbine maintenance, repair, and installation.
   * **Location:** Locations worldwide including Portland, OR.

#### **Types of Apprenticeships:**

* Wind Turbine Technician
* Solar Energy Technician
* Energy Storage System Specialist
* Renewable Energy Engineer
* Energy Management Technician
* Electric Vehicle Technician

Here is a detailed overview of the types of skills and certifications students would gain from aerospace and cybersecurity apprenticeships:

### **Aerospace Apprenticeships**

#### **Skills Gained:**

1. **Aerospace Engineering Skills:**
   * **Design and Development:** Understanding of aircraft and spacecraft design principles, including aerodynamics, materials science, and propulsion systems.
   * **CAD Software Proficiency:** Use of computer-aided design (CAD) software like CATIA, SolidWorks, and AutoCAD for creating detailed engineering drawings and models.
   * **Systems Integration:** Knowledge of integrating various subsystems (e.g., avionics, propulsion, and control systems) to work cohesively within an aerospace vehicle.
2. **Aircraft Maintenance Skills:**
   * **Mechanical Troubleshooting:** Diagnosing and fixing mechanical issues in aircraft systems, including engines, landing gear, and hydraulic systems.
   * **Routine Inspections:** Performing regular inspections and preventive maintenance to ensure aircraft safety and airworthiness.
   * **Repair Techniques:** Proficiency in repairing or replacing aircraft parts using various tools and techniques.
3. **Avionics Skills:**
   * **Electronics and Instrumentation:** Understanding of avionics systems, including navigation, communication, and flight control systems.
   * **Wiring and Soldering:** Skills in assembling, installing, and repairing wiring harnesses and electronic components.
   * **Software Updates:** Knowledge of updating and maintaining avionics software and firmware.
4. **Manufacturing and Fabrication Skills:**
   * **CNC Machining:** Operating CNC machines to produce precision parts for aerospace applications.
   * **Composite Fabrication:** Working with composite materials to create lightweight and durable aerospace components.
   * **Quality Control:** Ensuring parts and assemblies meet strict quality standards through inspections and testing.

#### **Certifications:**

1. **Federal Aviation Administration (FAA) Certifications:**
   * **Airframe and Powerplant (A&P) Mechanic Certification:** Allows individuals to perform maintenance and repairs on aircraft.
   * **Avionics Technician Certification:** Focused on the maintenance and repair of avionics systems.
2. **Industry-Recognized Certifications:**
   * **Certified Aerospace Technician (CAT):** Offered by the Aerospace Industries Association (AIA) and National Institute for Aviation Research (NIAR).
   * **Certified Manufacturing Engineer (CMfgE):** Offered by the Society of Manufacturing Engineers (SME).
3. **Software Certifications:**
   * **CATIA Certification:** Demonstrates proficiency in using CATIA software for aerospace design.
   * **SolidWorks Certification:** Indicates expertise in using SolidWorks for engineering and design tasks.

### **Cybersecurity Apprenticeships**

#### **Skills Gained:**

1. **Cybersecurity Fundamentals:**
   * **Threat Analysis:** Understanding different types of cyber threats, including malware, phishing, and ransomware.
   * **Risk Assessment:** Conducting risk assessments to identify vulnerabilities and recommend mitigation strategies.
   * **Incident Response:** Developing and implementing incident response plans to address security breaches.
2. **Network Security Skills:**
   * **Firewall Configuration:** Setting up and managing firewalls to protect network boundaries.
   * **Intrusion Detection and Prevention:** Using tools and techniques to detect and prevent unauthorized access to networks.
   * **Secure Network Design:** Designing and implementing secure network architectures.
3. **Security Operations Skills:**
   * **Monitoring and Analysis:** Using Security Information and Event Management (SIEM) tools to monitor network activity and analyze security events.
   * **Penetration Testing:** Conducting ethical hacking and penetration testing to identify and address security weaknesses.
   * **Forensics:** Performing digital forensics to investigate security incidents and gather evidence.
4. **Compliance and Governance Skills:**
   * **Regulatory Knowledge:** Understanding compliance requirements such as GDPR, HIPAA, and PCI-DSS.
   * **Policy Development:** Creating and implementing cybersecurity policies and procedures.
   * **Auditing:** Conducting security audits to ensure compliance with industry standards and regulations.

#### **Certifications:**

1. **Entry-Level Certifications:**
   * **CompTIA Security+:** Covers fundamental cybersecurity concepts and skills.
   * **Certified Ethical Hacker (CEH):** Focuses on ethical hacking and penetration testing techniques.
   * **Cisco Certified CyberOps Associate:** Offers foundational knowledge in cybersecurity operations.
2. **Intermediate-Level Certifications:**
   * **Certified Information Systems Security Professional (CISSP):** Covers advanced cybersecurity principles and practices.
   * **Certified Information Security Manager (CISM):** Focuses on managing and governing information security programs.
   * **Certified Cloud Security Professional (CCSP):** Specializes in cloud security principles and practices.
3. **Advanced-Level Certifications:**
   * **Certified Information Systems Auditor (CISA):** Focuses on auditing, control, and assurance skills.
   * **Certified in Risk and Information Systems Control (CRISC):** Covers risk management and information systems control.
   * **Offensive Security Certified Professional (OSCP):** Advanced certification in penetration testing and ethical hacking.

Connecting students with local businesses and organizations that offer apprenticeship opportunities can be a highly effective way to bridge the gap between education and the workforce. Here are some steps to facilitate these connections:

### **Steps to Connect Students with Local Apprenticeship Opportunities**

1. **Research Local Programs and Organizations:**
   * **Electrician Apprenticeships:** Contact local electrical contractors, trade unions (e.g., International Brotherhood of Electrical Workers), and community colleges.
   * **Healthcare Apprenticeships:** Reach out to local hospitals, clinics, and healthcare organizations. Many healthcare systems have partnerships with educational institutions for apprenticeship programs.
   * **IT Apprenticeships:** Connect with local tech companies, cybersecurity firms, and community colleges that offer IT training programs.
   * **Culinary Apprenticeships:** Contact local restaurants, culinary schools, and hospitality groups to inquire about apprenticeship opportunities.
   * **Automotive Technician Apprenticeships:** Reach out to local auto repair shops, car dealerships, and technical schools.
2. **Form Partnerships:**
   * **Networking:** Attend local business events, job fairs, and industry conferences to meet potential partners.
   * **Advisory Boards:** Establish advisory boards with representatives from local businesses to provide input on curriculum and apprenticeship opportunities.
   * **Memorandums of Understanding (MOUs):** Formalize partnerships with MOUs that outline the roles and responsibilities of each party.
3. **Create a Database:**
   * Maintain a database of local businesses and organizations that offer apprenticeships. Include contact information, program details, and application deadlines.
4. **Host Information Sessions:**
   * Organize information sessions where representatives from local apprenticeship programs can present their opportunities to students and parents.
5. **Provide Support for Applications:**
   * Assist students with the application process, including resume writing, interview preparation, and understanding program requirements.
6. **Mentorship Programs:**
   * Pair students with mentors who are currently in or have completed apprenticeship programs to provide guidance and support.

### **Examples of Potential Local Partners**

* **Chambers of Commerce:** Local chambers often have connections with businesses that offer apprenticeships.
* **Workforce Development Boards:** These organizations often have information on local apprenticeship opportunities and can assist with placements.
* **Community Colleges and Technical Schools:** Many offer apprenticeship programs in collaboration with local businesses.
* **Trade Unions:** Organizations such as the International Brotherhood of Electrical Workers, United Brotherhood of Carpenters, and Healthcare unions often have established apprenticeship programs.
* **Local Businesses:** Reach out to specific companies in industries like construction, healthcare, IT, culinary arts, and automotive services.

### **Example Outreach Email**

**Subject:** Partnership Opportunity for Apprenticeship Programs

Dear [Name],

I hope this message finds you well. My name is [Your Name], and I am a [Your Role] at [Your School/Organization]. We are committed to providing our students with valuable career pathways, and we are particularly interested in connecting them with local apprenticeship opportunities.

We understand that [Business/Organization Name] offers [specific apprenticeship program], and we believe that a partnership could be mutually beneficial. We would love to explore ways in which we can collaborate to provide our students with hands-on training and experience in [specific industry].

Could we schedule a meeting to discuss this potential partnership further? We are excited about the possibility of working together to support the next generation of skilled professionals.

Thank you for considering this opportunity.

Best regards,

[Your Name]   
[Your Title]   
[Your School/Organization]   
[Contact Information]

### **Conclusion**

By taking these proactive steps, you can create a robust network of apprenticeship opportunities for your students, providing them with valuable skills and a strong foundation for their future careers.