

# Career Connections Framework into Pathway Development

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# Agenda

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- Career Connections
- Pathway Programming and Experiences
- Business Engagement Activities
- Pathway Activities
- Tools and Resources
- Examples of Leveraging Out-of-School Time to Build Pathway Programs
- Reflection Questions and Takeaway



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# Career connections framework

**careerconnections**

K 1 2 3 4 5 6 7 8 9 10 11 12

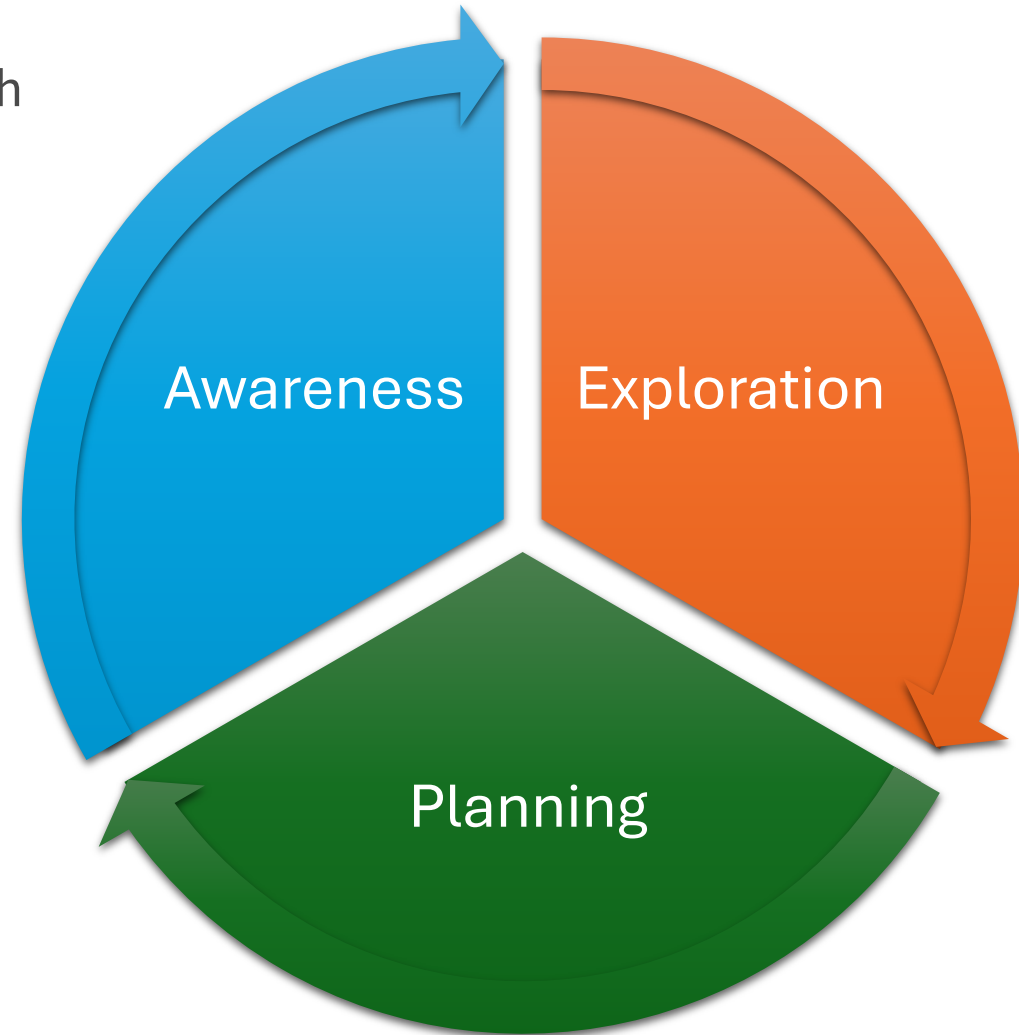
The Career Connections Framework is a planning tool for districts to provide students with opportunities to develop a vision and realistic plan for their futures. This framework aligns the many efforts around college and career readiness to support students in becoming productive and engaged citizens.



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# Career Connection framework

- **Awareness** - Students become more familiar with careers through learning that connects classroom instruction to future work.
- **Exploration** - Students explore their career interests through embedded activities and learn of work environments and develop an understanding of the various aspects of the workplace.
- **Planning** - Students begin to plan for their future with career information and postsecondary education data while engaging in hands-on work-based experiences.



# Pathway Implementation Specialist

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Help Districts with all things Pathways

- Provide Guidance
- Review current programs
- Create a plan for new pathways
- Make them aware of resources



## Examples of Pathway programming and experiences

**Business  
Partnerships**

**College Credit  
Plus Courses**

**Industry-  
Recognized  
Credentials**

**Work-Based  
Learning**

**Career  
Exploration  
Activities**

**OhioMeansJobs  
Readiness Seal**

# AFTER SCHOOL / SUMMER PATHWAY OPPORTUNITIES

- Career Exploration Activities
- Business Engagement Activities
- Pathway Activities



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# CAREER EXPLORATION





# Exposing Students to new careers

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- Learning Blade
- Past Foundation
- Drive Ohio
- Ohio STEM
- Ohio Society of CPA's



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## Missions to Discover Students Career Interests For Ohio Schools

Learning Blade offers Ohio's 5th to 9th grade students and teachers online interactive supplemental lessons and activities that are proven to increase career interests in a variety of high-demand areas including computer science, STEM, and CTE careers.

Ready-to-use online student lessons for math, science, social studies, and language arts, aligned to Ohio state standards, with corresponding lesson plans for teachers.



### Implementation Models



STEM  
Classes



Computer  
Science



Career  
Exploration



CTE  
Classes



Integrate in  
Core Subjects



After-School  
Enrichment



Summer  
School

**Scan the QR code to sign up for  
your fully funded Ohio resource.**



# Tools and Teammates

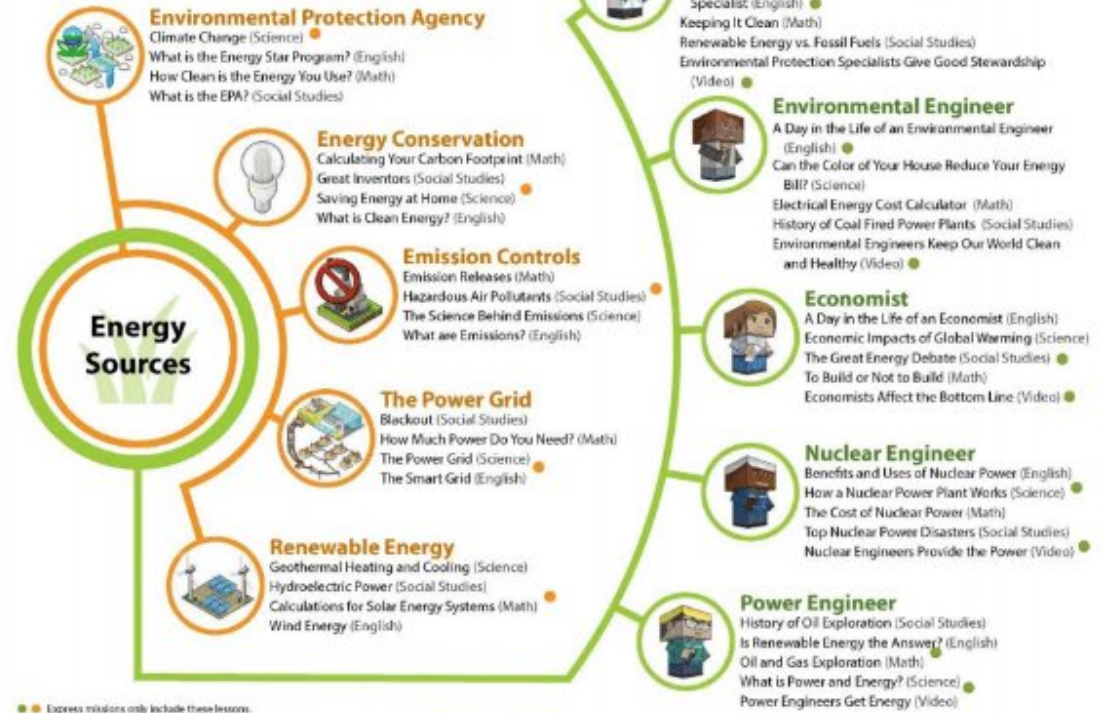
## Dolphin Rescue

Help rescue and rehabilitate an injured dolphin, including creating an artificial prosthetic tail.



## Energy Sources

Evaluate alternative or upgraded energy sources for a city that currently has an old coal-fired power plant.



Sample mission outlines showing Science, Math, English and Social Studies lessons for each career and technology

Tools

Teammates





# Portable Innovation Labs

Powered by PAST in Partnership with **BATTELLE**



Simulated Flight



Assistive Technology



Forensics



Autonomous Delivery



## ***What are Portable Innovation Labs (PILs)?***

Powered by PAST and in partnership with Battelle our Portable Innovation Labs are designed to facilitate unique educational opportunities by providing teachers and students with the resources that schools may not be able to purchase on their own. With the exception of easy-to-find consumable materials, all necessary items are provided.

The curricula are culturally relevant and hands-on. They were all designed to be taught with a transdisciplinary mindset, making it easier to cover multiple learning standards in more than one subject. They also connect to career pathways ranging from Robotics to Forensics.

In many ways, these activities equip teachers with tools they can use to help foster STEM identity.

SCAN



**Unlock Endless Possibilities!**

**Scan the QR code or visit the URL to explore all of our Portable Innovation Labs**

<https://tinyurl.com/past-PILs>





# DriveOhio K-12 Educator Toolkit



**Professional  
Development**



**Curriculum**

**Resources**



**Career  
Connections**

**[drive.ohio.gov/toolkit](https://drive.ohio.gov/toolkit)**

# <https://osln.org/>



## **Discover all that STEM education in Ohio has to offer.**

Science, technology, engineering and math will drive Ohio's economic future. But STEM education isn't just about good jobs. Together, we can deliver incredible, hands-on learning opportunities to every student in our state.

LEARN MORE

SIGN UP



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## Count on Your Future:

**A Vault of Resources to Multiply Success for Ohio's K-12 Youth in Accounting, Finance, and Entrepreneurship**





# Business Engagement Activities

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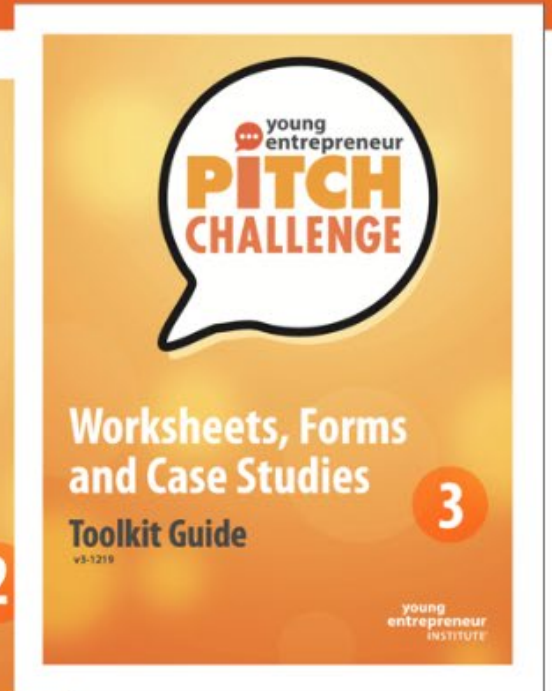
- Guest Speaker/ Simulated Work Experiences
- Pitch Contest
- Adopt A Classroom



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# Young Entrepreneur Pitch Challenge

Instructions  
Worksheets  
Videos  
Planning Tools  
Fun  
Easy  
Effective



*Register for the free toolkit on YIPPEE*

**young  
entrepreneur**



### ABOUT ADOPT A CLASS

Adopt A Class connects businesses and civic groups with students in underserved communities throughout the Greater Cincinnati and Northern Kentucky Region. Our program exposes K-8th grade students to a variety of experiences and careers while also fostering a culture of teamwork among the mentors.

### OUR MODEL

By pairing teams with individual classrooms, our adult mentors expose the students to a breadth of experiences and training to be job and career ready. Each passing year, Adopt A Class mentor teams stay with the same teacher, thus having the opportunity to impact a new class of students; while students move on to a new grade level and experience a new mentor team with different career and life skills insight.



### OUR PROGRAM

The Adopt A Class program hones in on grade bands with specific "Foundations," or areas of focus. Our "Spark, Launch, Ignite" structure breaks out the grade levels we serve into three groups:

- SPARK** Career Curiosity by Leveraging Literacy: K - 2nd grade
- IGNITE** Interest in STEAM Careers and Beyond: 3rd - 5th grade
- LAUNCH** Pathways to Career Success: 6th - 8th grade

### 2023-2024 PROJECTED IMPACT



Mentor over **10,000** students



More than **4,000** volunteers



In **46** schools



Donated over **\$240K** in resources & supplies



Donated **\$1.4 MILLION** employee hours

"ONE HOUR, ONCE A MONTH"

# Pathway Activities

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- Young Entrepreneurs
  - OMJ Readiness Seal
  - Work Based Learning Hours
- Credential Opportunities
  - Universal Credentials

# Find these great resources on YIPPEE!

• GAMES • CURRICULUM • FIELD TRIPS • GUEST SPEAKERS • SUPPLIES AND MORE!

## Use your points now to get:



### Entrepreneurial Games

Grades K-12 Entrepreneurs learn by doing. And who doesn't love to play board games?! Speak with our Game Master to get recommendations on the specific classroom games that will be great for your students. Receive up to \$125 worth of games.

It's like receiving a grant without any paperwork!



### Young Entrepreneur Pitch Challenge

Grades K-12 This program teaches students to think creatively, identify a problem, come up with a business idea to solve it, and practice persuasive writing and presentation skills in a 30-90 second elevator pitch. In My Pitch Challenge, you create your own pitch challenge within your class, school, club or school district. Engage stakeholders like your administration, other educators, PTOs, chamber of commerce, business owners, and others supporters. Educators receive a consultation session with YEI and \$100 to distribute in prizes.



### Pathway to Workforce Readiness Toolkit

Grades 9-12 The Entrepreneurship Pathway to Workforce Readiness Toolkit will prepare you to facilitate 12 one-hour sessions culminating in a pitch event that enables students to demonstrate skills required for an OhioMeansJobs-Readiness Seal. The OhioMeansJobs-Readiness Seal is a formal designation students can earn as an alternative pathway to high school graduation. With prior agreement from the school district, the sessions can help Ohio high school students meet one of two graduation seal requirements.

## About YEI

At Young Entrepreneur Institute, we believe that every child should understand and experience entrepreneurship. When children learn the tangible and intangible lessons of entrepreneurship early in life, they can see how the real world works. And by experiencing these universal lessons — such as perseverance, hard work, self-confidence, financial literacy, and problem solving — students are more prepared to succeed in whatever they choose to do.



### Supplies for a Real-World Selling Experience

Grades K-12 Young Entrepreneur Market is one way students can experience entrepreneurship at an early age to help develop 21st century skills, have fun and earn money for themselves, class or cause along the way. Educators will receive \$125 worth of supplies to either help start a class business or for "day of" items.



yippee.exchange



youngentrepreneurinstitute.org



# State Defined Seal: Ohio Means Jobs Readiness



## Requirements:

1. Demonstrate proficiency in each of 15 identified professional skills, **and**
2. Complete OMJ Seal form, **and**
3. Work with mentors to confirm each skill across 2+ of the environments:
  - ✓ *Community: volunteer coordinators, faith-based leaders, etc.*
  - ✓ *Work: supervisors, hiring managers, experienced co-workers, etc.*
  - ✓ *School: teachers, administrators, advisors, coaches, etc.*

## ADDITIONAL CONTENT

### Professional Skills

Students must demonstrate proficiency in each of the following professional skills to meet the requirements of the OhioMeansJobs-Readiness Seal:

- » **Drug Free** - The student commits to being drug free.
- » **Reliability** - The student has integrity and responsibility in professional settings.
- » **Work Ethic** - The student has effective work habits, personal accountability and a determination to succeed.
- » **Punctuality** - The student arrives to commitments on time and ready to contribute.
- » **Discipline** - The student abides by guidelines, demonstrates self-control and stays on task.
- » **Teamwork/Collaboration** - The student builds collaborative relationships with others and can work as part of a team.
- » **Professionalism** - The student demonstrates honesty. He or she dresses and acts appropriately and responsibly. He or she learns from mistakes.
- » **Learning Agility** - The student desires to continuously learn new information and skills.
- » **Critical Thinking/Problem-Solving** - The student exercises strong decision-making skills, analyzes issues effectively and thinks creatively to overcome problems.
- » **Leadership** - The student leverages the strengths of others to achieve common goals. He or she coaches and motivates peers and can prioritize and delegate work.
- » **Creativity/Innovation** - The student is original and inventive. He or she communicates new ideas to others, drawing on knowledge from different fields to find solutions.
- » **Oral and Written Communications** - The student articulates thoughts and ideas clearly and effectively in written and oral forms.
- » **Digital Technology** - The student has an understanding of emerging technology and leverages technology to solve problems, complete tasks and accomplish goals.
- » **Global/Intercultural Fluency** - The student values, respects and learns from diverse groups of people.
- » **Career Management** - The student is a self-advocate. He or she articulates strengths, knowledge and experiences relevant to success in a job or postsecondary education.



# Ohio Work-Based Learning Descriptions



## Off-Site Placement or Internship

In an off-site placement or internship experience, the student is a paid employee or non-paid intern for a business or community partner. The student performs tasks and demonstrates skills necessary for the operation of the business or organization, as determined by the employer with additional guidance from the instructor or educational supervisor. In this type of work-based learning experience, work occurs off-site and can take place during school hours or when school is not in session.



## Apprenticeship/Pre-Apprenticeship

Pre-apprenticeships offer students an opportunity to participate in work-based learning experiences in designated occupations or industry sectors in preparation for formal registered apprenticeship training programs. Pre-apprenticeships follow recognition procedures as outlined by [ApprenticeOhio](#), Ohio's State Apprenticeship Council. Apprenticeships have similar but distinct registration requirements through ApprenticeOhio to teach a skilled occupation pursuant to a registered apprenticeship agreement. Apprentices must be at least 16 years old, except when a higher minimum age standard is fixed by law.



## Remote or Virtual Placement

In a virtual or remote placement experience, the student is a paid employee or non-paid intern for a business or community partner, but work-based learning most often takes place outside of the physical location of the employer. The student performs tasks and demonstrates skills necessary for the operation of the business or organization, as determined by the employer with additional guidance from the instructor or educational supervisor. Work can be completed during school hours or when school is not in session.



## Entrepreneurship

In an entrepreneurship experience, the student operates his or her own business or service, including oversight of all operational and risk-management decisions. The student performs tasks and demonstrates skills necessary for the operation of the business, as determined in a business plan with input and guidance from the instructor or educational supervisor, as well as an external business mentor. Facilities, resources and equipment can be provided by the school or an outside source, if necessary. Work can be completed during school hours or when school is not in session. Planning completed prior to the operation of the business would not qualify as work-based learning experience.



## School-based Enterprise

In a school-based enterprise, students work cooperatively to operate a business or service, with facilities, resources and equipment most often provided by the school. The students perform tasks and demonstrate skills necessary for the operation of the business, as determined in a business plan with input and guidance from the instructor or educational supervisor, as well as an external business mentor. The experience can be structured as a partnership or cooperative with an outside entity; when this is the case, a partnership agreement should define roles, responsibilities and profit distribution between participants. In this type of work-based learning experience, work often will be completed during school hours.



## Simulated Work Environment

In a simulated work experience, the student works cooperatively with a business mentor to perform work in a simulated environment. The student performs tasks and demonstrates skills necessary for success in a particular industry, as determined by the business mentor with input and additional guidance from the instructor or educational supervisor. Facilities, resources and equipment can be provided by the school or an outside source, if necessary. The student should have the opportunity to practice interaction with customers or community members as is commiserate with the typical experience of the industry. Work can be completed during school hours or when school is not in session.

# Industry-Recognized Credentials by Career Field

There are many different types of industry-recognized credentials offered or awarded by various types of organizations. They include occupational licenses, certifications and certificates.

Click on a link below to learn about different industry-recognized credentials by career field. A [full list of the credentials with Education Management Information System \(EMIS\) Assessment Area Codes, career fields, and point values](#) is also available as well as [toolkits that outline popular pathways](#).

## Explore Career Fields



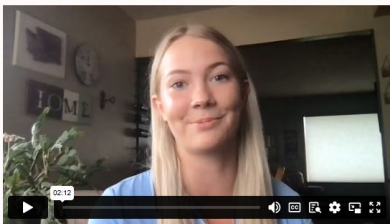
# HOME - LEAD4CHANGE

**LEAD4CHANGE** [Program Overview](#) [About](#) [Login](#) [Get Free Access](#)

**Empowering educators to develop student leaders.**

A free leadership program for 6th-12th graders that teaches proven leadership skills for getting big things done.

- \* Equip students with practical tools to affect change and make a difference
- \* Get a step-by-step playbook that makes the lessons simple and flexible
- \* Get a chance to win real dollars for your school



[Get Free Access](#)

<a href="#">Google Analytics Certification</a>	•		3	CJ81
<a href="#">Intuit Certified Bookkeeping Professional</a>	•		3	CR44
<a href="#">Intuit QuickBooks Certified User (QBCU)</a>			3	CP15
<a href="#">Lead4Change Student Leadership Program</a>	•		3	CQ07
<a href="#">Leadership Excellence - Student</a>	•		3	CP32
<a href="#">Lean Six Sigma Black Belt<sup>1</sup></a>			12	CP45
<a href="#">Lean Six Sigma Greenbelt Certificate<sup>1</sup></a>	•		6	CJ82
<a href="#">Microsoft Office Specialist (MOS) - Access Expert (2019 or later)</a>	•		3	CP46
<a href="#">Microsoft Office Specialist (MOS) - Excel Associate (2019 or later)</a>	•		3	CP47
<a href="#">Microsoft Office Specialist (MOS) - Excel Expert (2019 or later)</a>	•		3	CP48
<a href="#">Microsoft Office Specialist (MOS) - Outlook Associate (2019 or later)</a>	•		3	CP49
<a href="#">Microsoft Office Specialist (MOS) - PowerPoint Associate (2019 or later)</a>	•		3	CP50
<a href="#">Microsoft Office Specialist (MOS) - Word Associate (2019 or later)</a>	•		3	CP51
<a href="#">Microsoft Office Specialist (MOS) - Word Expert (2019 or later)</a>	•		3	CP52

# Tools and Resources



Lessons and Activities

Promising  
Practices

Promising Practices

Career Technical  
Education

Career Technical Education



Create, Lead, Empower (C.L.E.O.)

Career Advising  
Toolkit

Career Advising Toolkit

# Examples of Leveraging Out-of-School Time to Build Pathway Programs



# Summer Internship Program

High school students participate in internships facilitated through a local workforce development board and supported by the districts business advisory council.

## ***Examples of 21<sup>st</sup> Century Grant Usage:***

- Develop partnerships with local business and workforce boards to create structured internship opportunities.
- Stipends for student interns
- Coordinators to oversee internship placement and track professional skill development.
- Transportation to and from internship sites.

# **Community-based Leadership Program**

High school students participate in a leadership curriculum in partnership with a local nonprofit supported by 21<sup>st</sup> century funds. Students organize, participate and manage community-based events such as food drives or senior center events.

## ***Examples of 21<sup>st</sup> Century Grant Usage:***

- Materials, supplies, event costs
- Leadership development coaches and mentors
- Transportation to volunteer sites
- Facilitation of student reflection and portfolio development through workshops and guidance.



# **STEM After-school Robotics Program**

High school students participate in an after-school robotics program designed to teach students engineering, programming, and teamwork skills. Students will build and test a functional robot and participate in a regional competition.

## ***Examples of 21<sup>st</sup> Century Grant Usage:***

- STEM materials and equipment: robotic kits, software, licenses, and coding tools.
- Experienced STEM mentors and instructors (Robotics and Engineering).
- Entry fees for competitions and student travel expenses.
- Physical space for students to collaborate, build, and test projects.

# Entrepreneurial Out-of-School Time Program

High school students participate in an out-of-school time entrepreneurial program that empowers students to develop and pitch business ideas. Over the course of the program, students create a business plan and present their idea in a Shark Tank style panel of business and industry partners.

## ***Examples of 21<sup>st</sup> Century Grant Usage:***

- Curriculum and materials for teaching entrepreneurship and business skills.
- Mentors, business leaders, and guest speakers to coach/judge students.
- Support student project expenses, including prototyping, marketing materials, and presentations.
- Provide access to financial literacy tools and software for business plan development.
- Fund pitch competition with incentives to motivate participation and performance.

# Reflection Questions and Takeaway

- What is a creative way to engage business into afterschool and/or summer programming that connects students to the world of work in a meaningful way?
- What supports or partnerships would help in scaling career pathways within your program?
- How can or how does your program align with Ohio's Career Connection Framework to enhance student career readiness?
- ★ Within your sphere of influence, what is one immediate action you can take to introduce or expand career-related experiences for students?

# QUESTIONS?

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EDUCATION.OHIO.GOV



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