



Welcome to Igniting Future Pathways!
We'll begin shortly.





Igniting Future Pathways:

**Bringing Careers to Life with FREE,
Real-World Learning**

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VP, Teaching & Learning







When you were 5...

What did you REALLY
want to be when you
grew up?





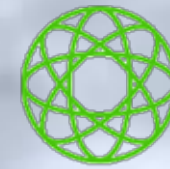
STEM Careers
Coalition

Today's Agenda

- 1. Career Activator**
- 2. STEM Career Coalition Immersion**
- 3. STEM Challenge Exploration**
- 4. Curriculum Remix!**



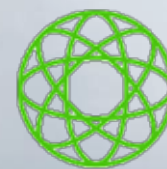
Your Mission:
Be a CONNECTOR!



STEM Careers
Coalition

Driving Question:

What barriers prevent students (and adults) from seeing themselves in STEM or other future careers?



STEM Careers
Coalition



Problems Worth Solving.

Many students worry about their future.

- ✓ They feel education hasn't kept up with tomorrow's job market.
- ✓ They wish they had better resources to prepare for life after graduation.
- ✓ They yearn for greater access to real-world content, career tools, and exposure to potential career paths.¹

And most educators share these concerns...

Education is not evolving to meet future workplace needs.



67%
of students agree

72%
of educators agree



(2025, April 4). *Education insights 2024-2025*. Discovery Education.

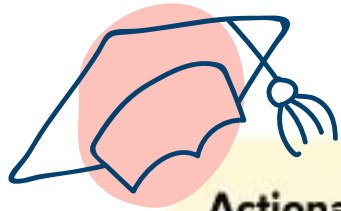


What the research says:

- 1 Offer career exploration to bridge education and employment.**
- 2 Provide real-world, relevant content for personal connections with learning.**
- 3 Develop transferable skills for success in any post-graduation path.**

(2025, April 4). *Education insights 2024-2025*. Discovery Education.





Actionable Tips

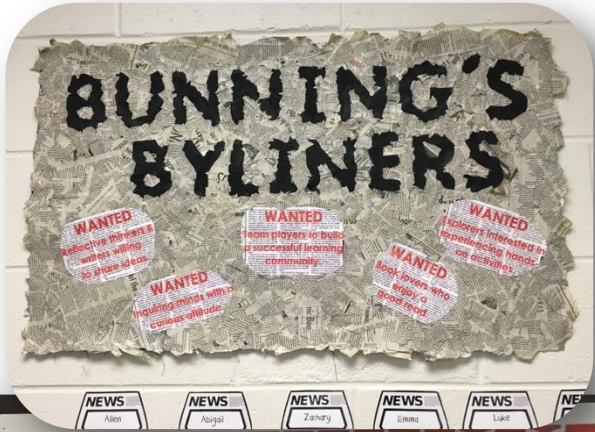
- ✓ **Connect with Professionals:** Invite industry experts into classrooms for experiences. Leverage virtual platforms to connect students with far-away industry professionals for interactive workshops and career talks.
- ✓ **Establish Long-Term Partnerships with Local Businesses and Organizations:** Many local and national organizations are eager to work with students and teachers to help develop skills for their respective industries.

1 Offer career exploration to bridge education and employment.



Teachers and superintendents agree that schools should incorporate more community and industry involvement in classrooms.





Hurricanes
Electrical engineer
They work on radar systems to predict hurricanes

Electrical
1. Make radars
2. Build better generators
3. Build better engines for things

Mean phrases
1. The electricity inside the

Electrical Engineer

An **Electrical Engineer** designs equipment to use electricity.

They work on radar systems, electric motors, and any electrical equipment. They must consider

Hurricanes
Electrical Engineer
after the hurricane is over they can put light in light poles

Hurricanes
to help
be motors for cars

Rock Buffet Assignment

Watch the video below about geologists and their careers. Then, create a new post and list 3 new interesting facts you learned from this video. Write your name as the title of your post.

Miss G Career Connection Video

Kianna
1 thing I learned is that having a job as a geologist is fun and educational at the same time.
2 also you can meet new people while traveling to different parts of the world.
3 And last I learned

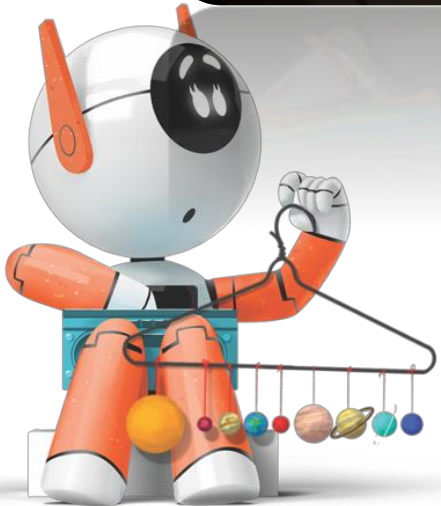
Olivia
I learned that when your a biologist you have to work with a lot of people and that it is a lot of fun because you get to dig in the dirt and learn new things. I also learned that you have to travel a lot of different

hailey
I learned that you have to work to

madeline
I learned that being a geologist you need to know a lot of math and you can

Ryan
I learned that







STEM Careers
Coalition

The STEM Careers Coalition

Inspiring the Future STEM Workforce





STEM Careers Coalition™

Connecting **Students**
from K to **Careers**

[Pause Video](#) ||[FIND YOUR CAREER PATH](#)[Explore our new interactive career finder](#)

BACK TO SCHOOL

Jump start the school year with our new content for Back to School—packed with engaging resources that spark career exploration, build real-world skills, and prepare students for tomorrow's workforce.



CAREER FINDER

Wondering where to begin the journey on the way to a future STEM Career? Students can use this interactive to hone-in on in-demand careers that align to their interests. Get started by answering a few simple questions!



CAREER EXPLORATION

Introduce students to a wide range of career professionals working at industry leading organizations around the world. Make the connection from the classroom to careers!

63%

of students feel that the skills they are learning in school are not adequately preparing them for future job opportunities.



Nearly One in Four

students don't feel lessons have real-world relevance.



2

Provide real-world, relevant content for personal connections with learning.



About 70%

of educators find it challenging to help students see the real-world application of the skills they are learning.



Did you know?

Parents cite lack of interest or motivation as the **#2 reason** for students missing school, second only to health issues.

Why It Matters

[Research](#) shows that students exposed to real-world experiences during their education are less likely to disengage and more likely to achieve long-term success.



SWINERTON 

**CPTC RESTROOM
ENHANCEMENTS - PHASE 1**

SITE CONTACTS

Daytime and Nighttime:

Day Time Contact:
Ahmad Ayoub
470-352-0764

Nighttime Contact:
Ed Alcock
678-697-7558

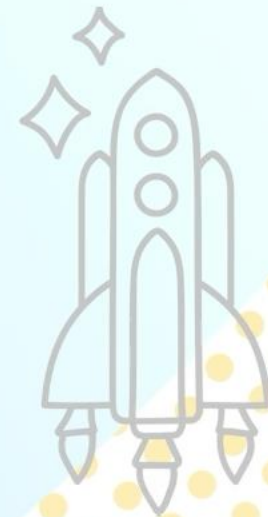


Where would this connection fit in a/your classroom?

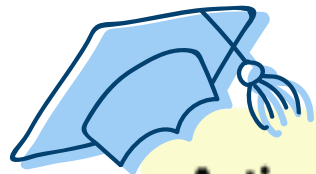




CAREER CONNECT



Available in  EXPERIENCE



3 Develop transferable skills for success in any post-graduation path.

Actionable Tip

- ☒ **Practice Building Transferable Skills within Existing Teaching and Learning:**
Use group projects and debates to build interpersonal skills.
- ☒ **Model and Reinforce the Value of Interpersonal Skills:**
Teachers can model adaptability and a growth mindset during instruction and daily interactions.
- ☒ **Make Time to Practice Soft Skills in Later Grades:**
Even older students need practice navigating relationships. Upper-grade teachers can provide opportunities for negotiation and problem-solving peers.



EDUCATOR RESOURCES

Grade Band ▾



PDF ACTIVITY



Digital Citizenship | Classroom Activity

Consider the amount of time you commit to social media in order to gain new perspective on the va...

[Show more](#)



PDF ACTIVITY



The Power of Wind | Classroom Activity

Engage students in an exploration of the power of wind using activation, design, readings, and...

[Show more](#)



PDF ACTIVITY



Powering Our Skies | Classroom Activity

Students can let their creativity soar as they imagine sustainable and innovative energy sources...

[Show more](#)



PDF ACTIVITY



Farm to Table | Classroom Activity

Students gain context on the role petroleum plays in food production, while focusing on th...

[Show more](#)



PDF ACTIVITY



Every Drop Counts | Classroom Activity

Students explore the components of irrigation systems used around the world. They will investigate...

[Show more](#)



PDF ACTIVITY



Power Down | Classroom Activity

Students take a closer look at energy consumption to understand how this impacts ou...

[Show more](#)



PDF ACTIVITY



Recycling Food and Waste | Classroom Activity

Students explore the idea of composting from a national and global perspective. After...

[Show more](#)



PDF ACTIVITY



(Artificial) Intelligence | Classroom Activity

Students explore the concept of artificial intelligence (AI) and the way in which it affects their dail...

[Show more](#)



PDF ACTIVITY



Video Game Design | Classroom Activity

Students use the ever-popular world of video games to explore



PDF ACTIVITY



From Rigs to Reefs | Classroom Activity

Students will discover how offshore oil rigs are repurposed to



PDF ACTIVITY



Waste Not | Classroom Activity

Students think more critically about the negative impacts of



PDF ACTIVITY



Cyber Solutions | Classroom Activity

Students step into the role of a security employee at a technology



STEM Challenge Exploration

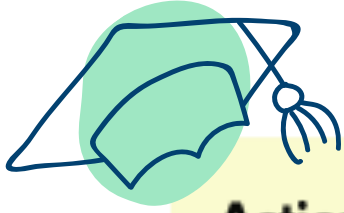
Your mission: Be a Connector

1. *What careers are represented?*
2. *What skills are needed?*
3. *What subject areas connect to this work?*



Place each connection you make on its own sticky note, and place on the Connection Board.





Actionable Tip



Embed Real-World Relevance:

Design lessons that connect academic concepts to future careers. By aligning student interests with careers, they are better able to conceptualize how the skills they learn today will have meaning in the future.



Curriculum Remix **Challenge**



*Step 1: Choose a lesson
you already teach:*

Step 2: Answer:

What career naturally
connects?

Which STEM Careers
Coalition resource could
support it?

How could students interact
with professionals or
authentic problems?

*Step 3: Create a
3-minute "career
connection" experience.*

Example

Current Lesson: Ecosystems

Career Connection: Environmental Scientist

Resource: Virtual Field Trip

Student Task: Analyze environmental data from a real ecosystem.

Session Schedule



Sunday, June 28

11:30 AM – 12:20 PM

Igniting Future Pathways:
Bringing Careers to Life with Free,
Real-World Learning



1:00 PM – 1:50 PM

AI in the Classroom: Practical Tools,
Smart Workflows, Future-Ready
Teaching Strategies

IBM SkillsBuild

Monday, June 29

8:00 AM – 8:50 AM

Igniting Innovators Breakfast:
Real World STEM Problem Solving
with 3M Young Scientists



9:30 AM – 10:20 AM

Beyond the Prompt: How AI Is
Transforming Student Creativity
and Engagement

10:30 AM - 11:20 AM

From Compliance to Curiosity:
Digital Citizenship in 2026



IBM SkillsBuild

1:00 PM – 1:50 PM

Pathways to Possibility Playground:
Career Readiness for All Students



3:00 PM – 3:50 PM

From Curiosity to Citizenship:
Building Civic-Minded Learners
Through Inquiry & 3D Modeling

Tuesday, June 30

10:00 AM – 10:50 AM

Cracking the Literacy Code:
Teaching Students to Read, Write
& Think Across Subjects



11:00 AM – 11:50 AM

Building a Systemwide Instructional
Model That Makes Learning Stick

1:00 PM – 1:50 PM

From Telling to Thinking: Disrupting
Math Instruction That Doesn't Work

2:00 PM – 2:50 PM

Valuable Screen Time!
How Industry Partnerships Bring
the World to Students



DENSI 2026: Powering Progress

Join educators from across the country for hands-on learning, inspiring conversations, and practical strategies you can take straight back to your classroom.

July 14 & 15, 2026 / 10:00 – 3:00 PM ET



Move teaching forward | Practical, classroom-ready strategies educators can use right away to support student engagement, innovation, and growth.

Strengthen your impact with Discovery Education | Learn new ways to use DE tools more deeply, creatively, and confidently to amplify teaching and learning.

Connect with educators who get it | Join a passionate, supportive community of educators to share ideas, spark inspiration, and learn together - no travel required.

Stay ahead of what's next in education | Explore timely topics shaping today's classrooms, with guidance from trusted voices and experienced practitioners.



Register at the QR code or link below:
<https://bit.ly/4xzcBOE>

Your Summer Playbook for Tier 1 Instruction That Sticks

Join Bryan Goodwin, CEO of McREL Institute, and Stephanie Workman-Bolden, SVP of Partner Success at Discovery Education, for a practical session designed to help districts turn summer planning into stronger instruction this fall.

Virtual Event

Wednesday, July 8

1:00 PM ET | 10:00 AM PT

SCAN THE QR CODE OR VISIT bit.ly/4vMeGFf



Thank you!

