What’s Working? Webinar Series

Virtual Resources
March 25, 2020
Agenda

• Introduction: What’s Working Series
• MIND Research
  • Karin Wu, EVP/Executive Director, Social Impact
  • Kelsey Skaggs, PR & Communications Specialist
• Discovery Education
  • Martin Creel, Chief Academic Officer & VP Product
• Museum of Science
  • Jill Olson, Director, Operations and Professional Development
• Franklin Institute
  • Gerri Trooskin, Director of Museum Programs and Outreach Initiatives
What's Working:

How ST Math is Rising to Meet Remote Learning Needs During COVID-19

Karin Wu, EVP/Executive Director, Social Impact
Kelsey Skaggs, PR & Communications Specialist
Our Mission:

To ensure all students are mathematically equipped to solve the world's most challenging problems.
Inequitable Pathways to STEM Careers

https://www.mindresearch.org/stem-education
The Future of our STEM Workforce starts with Math

Percentage of Students Proficient in Math (Source: Pew Research Center)
Neuroscience Based Approach
Data, Evaluation & ROI

Effect Size on Percent of Students Proficient in Math

Effect size is a statistical term showing how meaningful the impact of ST Math is on percent of students scoring proficient or above on their state math tests compared to similar grades at non-ST Math schools.

Mean Percentile Plot – TRT vs CTRL

Z-score's Percentile Ranking

https://www.stmath.com/impact/studies
Partnerships for Greater Impact
Coronavirus Resources

No-Cost Access to ST Math

With the spread of Coronavirus, COVID-19, schools across the country are temporarily closing.

At MIND Research Institute, our mission is to ensure that all students are mathematically equipped to solve the world’s most challenging problems.

That’s why we stand ready to provide resources and no-cost access so the learning can keep on happening, even if school is temporarily closed.

https://www.stmath.com/coronavirus
The Impact Now

Since March 14th, JiJi has welcomed

452,927 STUDENTS
14,646 HOMES
1,632 SCHOOLS

New School Signups

New Homeschool Users
Additional Resources

- Facebook Group (School): https://www.facebook.com/groups/stmath/
- Facebook Group (Home): https://www.facebook.com/groups/stmathhome/
- How-tos, tips, webinars, and additional support: https://www.stmath.com/coronavirus
How You Can Help

Share: stmath.com/coronavirus

Let parents, schools, and districts know about the remote learning programs and resources available to them.

Contact: socialimpact@mindresearch.org

Reach out to MIND’s Social Impact team to learn how you can support students at this critical time.

Thank You!
Discovery Education
FOUNDED ON THE MISSION TO REIMAGINE EDUCATION
BRINGING RELEVANCY TO LEARNING AND FUELING SUCCESS FOR EVERY STUDENT.

Discovery Education
A Holistic Approach to Partnership
Discovery Education Experience is a simple-to-use K–12 learning platform that combines dynamic curated curriculum resources with on-demand teaching strategies, personalized for educator needs, supporting virtual learning environments. This collection of real-world educational content brings excitement and relevancy to K-12 curriculum topics, ensuring all students have opportunities to unlock their true potential.
With personalization functionality, each user's dashboard is populated with content channels and resources that align with their needs.

This ever-growing collection offers standards-aligned, multimodal content channels that help educators differentiate instruction and mirrors the unique interests of every student.

On-demand research-based instructional strategies and resources like step-by-step guides, interactive courses and more are tied to each educator's unique content channels.

Studio is a space where teachers can design and assign highly engaging lesson activities and students can create boards and demonstrate what they know.
CORONAVIRUS RESPONSE

At Discovery Education we are committed to helping schools and communities maintain normalcy and maintain continuity of learning amidst this crisis and supporting educators throughout this transition to virtual learning.

As schools across the country began closing due to the spread of the COVID-19, on March 5, 2020 Discovery Education began providing no-cost access to Discovery Education Experience — a comprehensive digital service supplementing instruction across all K–12 curricular areas — to all U.S. schools and building out new virtual learning resources and instructional supports for teachers, students and communities.
To help parents and guardians provide homebound students meaningful educational experiences during the COVID-19 pandemic, Discovery Education launched Daily DE - a suite of no-cost activities and resources to help continue learning while schools are closed. From digital interactives to virtual field trips to science experiments and more, the Daily DE a one-stop shop for parents to find grade-band appropriate learning activities for every day of the week. Please visit: DEN.DiscoveryEducation.com/Participate/DailyDE

Discovery Education is currently working with an array of corporate partners to provide free resources and purposeful programming to support schools and homes during the ongoing COVID-19 pandemic.

To learn how your organization can get involved and support continuity during this time, please email: StrategicAlliances@DiscoveryEd.com
THANK YOU

FOR MORE INFORMATION, PLEASE CONTACT: STRATEGICALLIANCES@DISCOVERYED.COM
Create a Generation of Problem Solvers
STEM Beyond School Webinar Series

This Week…

• Developing PreK Problem Solvers
• Engineering Fun at Home
• Technology is All Around Me!
• STEM for Families
• An Overview of EiE Resources

Coming Soon…

• Outbreak Alert! Understanding a Pandemic Response
• Mission Possible: Aerospace Engineering
• Empowering Families Through Engineering (Parts I and II)

www.eie.org
#EiEInspired
#STEMBeyondSchool
Outbreak Alert! Understanding a Pandemic Response

Resources Available

- Webinar
- Prep Activity
- Spotlight Video

https://vimeo.com/136831378
Pass the Peppers! Activity Book

Engineering at Home

Engineering on the Go

I Spy Technologies and Technology Categories
Family Activity Guide

Educator Guide and Essential Resources

Available in English and Spanish
Noisemakers: We Engineered a Noisemaker

After you complete the Noisemakers challenge with your group, encourage families to engineer at home by creating an Engineering Bag. Families can share their engineering experiences with the class by writing or drawing about what they did in a journal. To make your own Engineering Bag:

1. Fill a bag with extra materials from the Noisemakers challenge.
2. Provide a blank journal so families can share their engineering experiences with the class using words, drawings, or photographs.
3. Attach the How-To Card on the following page to the outside of the bag so families can become familiar with the engineering work their child has done and how they can continue engineering at home.
4. Send the Engineering Bag home to interested families in turn.
5. Once the Engineering Bag is returned, encourage children to share their experiences with the classroom community.

Sample Design Challenge: Noisemakers
After you complete the Fans challenge with your group, encourage families to engineer at home by creating an Engineering Bag. Families can share their engineering experiences with the class by writing or drawing about what they did in a journal. To make your own Engineering Bag:

1. Fill a bag with extra materials from the Fans challenge.
2. Provide a blank journal so families can share their engineering experiences with the class using words, drawings, or photographs.
3. Attach the How-To Card instructions on the following page to the outside of the bag so families can become familiar with the engineering work their child has done and how they can continue engineering at home.
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Letters for Families
Coming Soon: MOS at Home

The Exhibit Halls may be closed. But science never stops…

• Interact with our educators
• Download STEM activities
• Listen to podcasts
• Participate in virtual town halls
• … and more!

Museum of Science

#MOSatHome

www.mos.org
Questions?
THE FRANKLIN INSTITUTE

The Franklin Institute was founded in 1824.

In 1934, the current building was opened to the public as The Wonderland of Science.

The Franklin Institute is home to the Benjamin Franklin Memorial.

The Franklin Institute is the most visited museum in the Commonwealth of Pennsylvania, and one of the top science centers in the country.

Science concepts come alive through 11 permanent exhibitions, special exhibitions, daily live science shows, interactive demonstration carts, museum programs and events, community based programs and events, and educational films.

Each year the Institute welcomes more than 850,000 visitors, including 200,000 schoolchildren who visit on fieldstrips at reduced prices or free of charge.
#SPARKOFSCIENCE

Videos to Spark Your Curiosity

WATCH NOW!
**Crystals**

Science Interpreter Al teaches us how to make our own crystals!

⚠️ Adult supervision needed. ⚠️

Learn how to make crystals

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**Condensation**

Have you noticed that when it’s really cold outside, you can see your breath? Do you know why? Traveling Science Show Presenter David Henry Wrigley explains.

Learn more about condensation

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**Leap Year**

Did you know that #2020 is a leap year? But how does this work? Science Interpreter Fox explains this mystery of time and space.

Learn more about leap years
LEARN HOW YOUR BRAIN IS ALWAYS CHANGING

INTERACTIVE ACTIVITIES FROM OUR 'YOUR BRAIN' EXHIBIT

What you learn will change your mind!

PLAY NOW!
Scan a Brain
Want to see the inside of a human brain?

Follow Your Visual Pathway
Surprisingly, your eyes don’t need to see the whole picture to know what it is!

Build Your Network
Find out how information travels to the brain through special cells called neurons.
3pm, Monday-Friday

Our Chief Bioscientist Dr. Jayatri Das gives us a daily update on the COVID-19 virus.

Missed an episode? See our full playlist on YouTube.
COMING SOON
Franklin @ Home Programming

• SCIENCE RECIPES
• SCIENCE STORYTIME
• MISSION MATERIALS
- Questions?

- Be on the lookout for the next What’s Working? Webinar on April 8th, 2020

Please email Alexa.Gitler@stemconnector.com