



IDAHO
STEM
ACTION CENTER



Virtual Mentoring Portal

The Action Center is Here to Help!

- Coordinating & facilitating implementation of STEM programs



- Increasing awareness of STEM

- Aligning education and workforce needs



Connecting STEM education and industry to ensure Idaho's long-term economic prosperity.



Engineering innovative STEM opportunities for educators, students, communities and industry to build a competitive Idaho workforce and economy.

Problem-Based Learning

- We believe that access to **STEM problem based learning** (focused on real world problems) will provide students with an opportunity to build skills including **problem solving, teamwork, collaboration** and **communication skills**
- We believe that **hands-on engagement in STEM** will generate interest and **build awareness of STEM study and career opportunities** for students
- We believe that as students **apply their knowledge and skills** gained through these experiences they will **increase their confidence in their STEM skills**



- **Six Locations:**
 - North Idaho College: June 18-21
 - Lewis-Clark State College: June 18-21
 - Idaho State University: June 19-22
 - College of Eastern Idaho: June 25-28
 - College of Southern Idaho: June 25-28
 - College of Western Idaho: June 26-29
- **330 Participants in 29 strands.**
- **48 Strand Providers**

THANK YOU!!!

2018 i-STEM Theme



i-STEM

Bridging the Gap:

Partnering, Collaborating and
Mentoring in Our Digital Backyard

2018

Discussion Questions

- Have you used mentors in your teaching environment?
- What worked, what didn't work?
- What are the challenges of incorporating mentorship into your teaching environments?

STEM Action Center Mentorship Portal



Virtual Mentoring Suite
Connecting Teachers,
Students & Mentors



<https://mentorship.stem.idaho.gov/>

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Nominate a STEM Educator for the 2018 INDEEDS Award!

INDCEEDS

INDUSTRY'S EXCELLENT EDUCATORS DEDICATED TO STEM

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Learn More About
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STUDENTS, COMMUNITIES AND INDUSTRY TO BUILD A COMPETITIVE IDAHO WORKFORCE AND ECONOMY

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FOR
FUNDING

MENTORSHIP
PORTAL

CONNECT
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AND TOOLS

i-STEM

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STEM Action Center Mentorship Portal

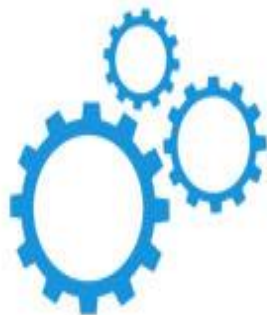
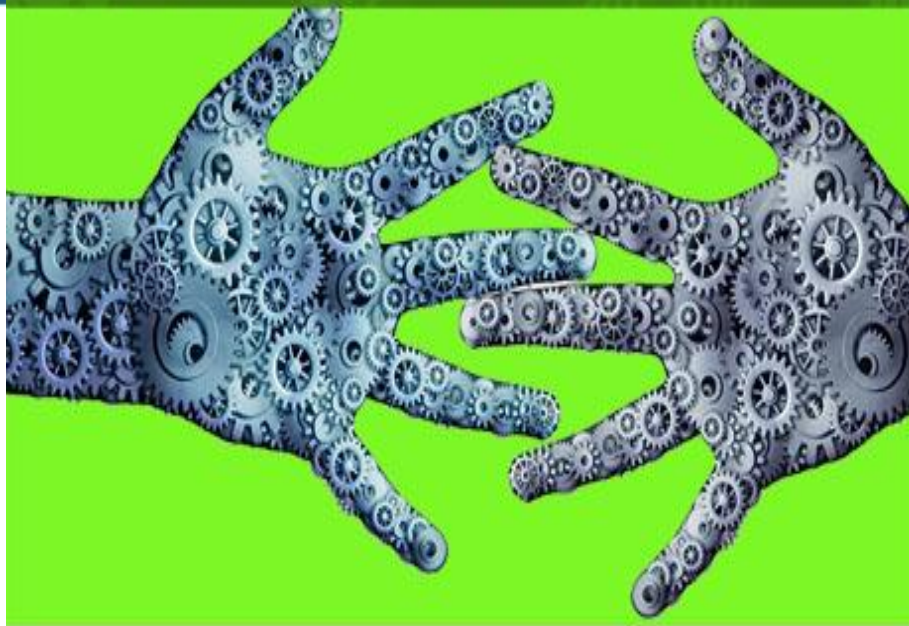


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MENTOR MATCHING ENGINE

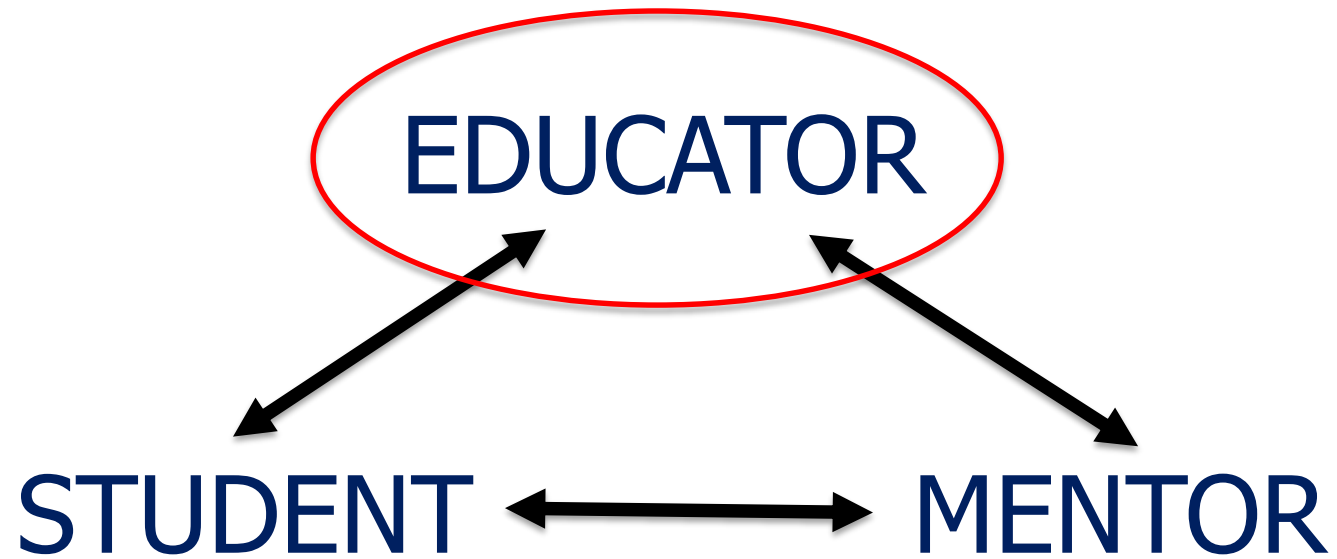


Virtual Mentoring Suite
Connecting Teachers,
Students & Mentors

Virtual, Project-Based, Statewide Mentorship Platform

- Focused on student projects, especially related to competitions
- Industry and higher-ed support for educators whose students are working on projects that could benefit from additional outside-the-classroom support
- Numerous studies have shown that one of the most powerful tools for retention of students in STEM is having a strong mentor





STEM Action Center Mentorship Portal



Virtual Mentoring Suite
Connecting Teachers,
Students & Mentors



Click here to create your
portal account.

Special instructions inside...



Find training events,
classroom materials, &
implementation guides



College, Job Skills,
& Career Help



Find activities, camps
internships, & grants



Idaho STEM Action Center
Find Educator Grants

<https://mentorship.stem.idaho.gov/>

Go beyond the classroom with MME.

Powered by



Log In



Remember me

[Sign In](#)

[Forgot password?](#)

In collaboration with



New Project

* indicates required field

Title *

Research description *

Letter of introduction *

Project Creation

This is the only information that a potential mentor sees when deciding to work with your student and/or understanding the project they will be working on. Even if your student is in the initial phases of deciding their project idea, there are key components to filling this information out well:

- Use complete sentences. This may seem obvious, but it has come up as an issue every year. This project should be reflective of the commitment that the student is making to communicate well, and will set the tone.

- Treat the letter of introduction as a way to share information that will make you memorable to the mentor and start to build the relationship. Include hobbies, future interests, etc. so that the mentor can start to get to know the student, not just the project.

- Update the information as the project progresses. This should be a place for the mentor to reflect back to remember where the project stands in its current form.

Project Creation

If your student is in the beginning stages of creating a project idea/hypothesis, they can still provide valuable information in their description

Most efficient way to unfold a protein

Edit ⚙

Mark as active

Details

Discussion

Video Conference

Participants

Documents

Research Description

I love chemistry. The most interesting topics for me is experimenting with elements to see what kinds of different reactions will happen. I also like to write and balance equations. I would love to know more about how different elements are able to react with each other and how their atomic make up makes each element unique. I love to experiment and work with chemicals and elements but I don't want to spend all of my time just researching. I'm definitely a hands on person and I'm looking in to chemical engineering. I love the idea of creating things from scratch and utilizing elements in different ways and testing their potential. Thank you for your time! -Meredith Nyborg

Letter of Introduction

Hi Mentors! My name is Meredith and I am a junior at Prospect High School. I'm so excited to start researching but I still need help pinpointing a topic. I know I'm interested in chemistry and math calculations like algebra and pre-calc. I wanted to be apart of MME to kinda get an idea of what kind of careers I could use these skills in, but also look in to a career or topic on a deeper level. Thank you and any and all help is welcomed. Looking forward to reasearching! - Meredith Nyborg

Research Categories

Chemistry

Engineering

Mathematics

Project Creation

If your student has their idea well thought out and refined, they should share these details

Early Indicators of ADHD

[Edit ⚙](#)[Mark as complete](#)

[Details](#) [Discussion](#) [Video Conference](#) [Participants](#) [Documents](#)

Research Description

For the sake of helping families and individuals in all aspects of life, I would like to identify early symptoms and behaviors displayed in individuals with ADHD. ADHD is difficult to diagnose because it presents differently in each person, as well as the typical behaviors of ADHD are not limited to those individuals(i.e. others can be restless, distracted, etc.). For this reason, I believe that identifying strong characteristics that are displayed during the earlier-developmental stages will help those involved with the well-being of that individual to be cognizant of the possibility that they will develop ADHD during their lifetime. At this point in my research, I'm finding that there have been strong connections between those with ADHD and those that had a colic as an infant; I'm unsure as to why this is, be it how the colic connects to ADHD and in what ways. My research is not limited to the connections presented between ADHD and a colic, as I'm open to exploring the possibilities of other indicators and connections that are brought to my attention during my research. If I can prove a clear connection, ideally, this would mean that ADHD can be identified and those individuals could receive the treatment they need; it would decrease the chances that it go unnoticed.

Letter of Introduction

My name is Jade Isaac and I am a senior in high school. As someone that was diagnosed with ADHD in the middle of my junior year of high school, I wished that it hadn't gone undetected so I could have received the treatment and accommodations much earlier on because it was difficult to have to adjust to my diagnoses during such a crucial year of my life. I hope that with this discovery, no one else will have to struggle, undiagnosed.

Research Categories

[Biochemistry](#)[Health Science and Medicine](#)[Psychology](#)

List of Project Categories

Categories * select 1-3

- ☐ Aeronautics & Aerospace
- ☐ Bioinformatics
- ☐ Chemistry & Biochemistry
- ☐ Earth & Environmental Science
- ☐ Engineering Mechanics
- ☐ Health & Medical Sciences
- ☒ Mathematics & Cryptology
- ☐ Robotics and Intelligent Machines
- ☐ Special Topic 2
- ☐ Special Topic 5


- ☐ Agriculture & Plant Sciences
- ☐ Biology & Animal Sciences
- ☐ Computer Science & Coding
- ☒ Economics, Family & Consumer Science
- ☐ Entrepreneurship
- ☐ Manufacturing & 3D Printing
- ☐ Physical & Chemical Energy
- ☐ Skilled Trade Technologies
- ☐ Special Topic 3

- ☒ Behavioral & Social Sciences
- ☐ Cellular, Molecular & Microbiology
- ☐ Computer Systems & Technology
- ☐ Engineering
- ☐ Environmental & Biomedical Engineering
- ☐ Materials Science & Nanotechnology
- ☐ Physics & Astronomy
- ☐ Special Topic 1
- ☐ Special Topic 4

Update


Cancel

Approval

 [Projects](#) [Invitations](#) [People](#) KM

Projects (2) [Select All Active](#)

[Archive](#) [View Archived Projects](#)

<input type="checkbox"/>	<div><div></div><div>Project for Melyssa Ferro</div></div>	Last updated 6 months ago	<div>MF</div> <div>KM</div> <div>SS</div>	×
<input type="checkbox"/>	<div><div></div><div>Project for Educators</div></div>	Last updated 13 days ago	<div>SC</div> <div>CH</div> <div>KM</div> <div>SS</div> <div></div> <div>CT</div>	×

Find Your Expert(s)



Projects

Invitations

People

Add Mentor to Project

Details

Discussion

Video Conference

Participants

Documents



David Loomis

Economics and Public Policy of Energy

Economics, Education, Social Science

Add +

Discussion Board

[Projects](#)[Invitations](#)[People](#)

Test My Connection

[Details](#)[Discussion](#)[Video Conference](#)[Participants](#)[Documents](#)

CF

Send email notifications to:

☒ Teachers ☒ Students ☒ Mentors

Hi, I'm Cindy Fennell. I'll be your mentor.



Post

No messages to display at this time.

Schedule Video Conferences

[Projects](#)[Invitations](#)[People](#)[KM](#)

i-STEM at NIC

[Details](#)[Discussion](#)[Video Conference](#)[Participants](#)[Documents](#)

Video conferencing can only be used on Chrome and Firefox browsers. Do not use Internet Explorer.

Or, download the Appear.in mobile app, and access the link from your phone.

Video conference can accommodate a maximum of 8 users.

[Schedule Video Conference](#)

Upcoming Conferences

No upcoming conferences at this time

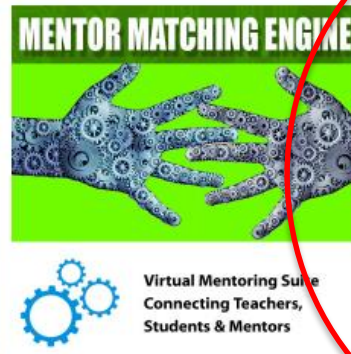
Project Management Tool

- Using the project as a management tool and progress log
- Taking advantage of document sharing and video conferencing
- The importance of regular engagement with mentors

Discussion Questions

- How will the mentorship platform be helpful for you and your students?
- What projects/competitions do your students have that mentors can help with?
- How can the mentorship platform be helpful for younger students?

STEM Action Center Mentorship Portal



Register Here



LOGIN

BECOME A MENTOR



Fill out Mentor Application

SIGN UP MY CLASS



Fill out Educator Interest Form

MENTORING

Fine
clas
imp

FUTUR

Skills,
p.



Mentorship Portal - Idaho STEM Action Center

Welcome to the Idaho STEM Action Center's Mentorship Portal. Please answer a few questions to help us understand how you are interested in using mentors with your students.

Name

iSTEM - Summer STEM Professional Development

Are you attending iSTEM?

Education Entity

Educational Role

Address

City, State

Zip

Second PD Assignment

Receive a second credit (graduate level) from BSU.

Cost = \$60

- 1) Complete the **registration** process for the Mentorship Platform.
- 2) Engage in mentorship activities via the Mentorship Platform in one of two ways:
 - a) Identify **at least one** student-led project that would benefit from mentorship support, assist student with registration into the Mentorship Platform, and monitor the progress of the project in the platform. (10 hrs)
 - b) Find **at least two** mentors in the Mentorship Platform or the community and set up visits with these mentors and a student group (either virtually or in person). (10 hrs)
- 3) Create a **lesson plan** in which there is mentorship engagement. (3 hrs)
- 4) Submit a **final report** via the Community Grants Portal (3 hrs) (<https://idahostem.force.com/gms/>) answering questions about their experience engaging with the mentorship platform, connecting mentors and students, and student experiences working with a mentor, highlighting best practices, lessons learned and ways they will engage with mentors moving forward.

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in our Digital Backyard

The exceptional STEM professional development program provides high-quality, relevant and hands-on opportunities for Idaho STEM

<https://stem.idaho.gov/istem>



Professional Development Credits

Assignment for 1st Professional Development Credit

Attend i-STEM Institute and [Register on Mentorship Portal](#)

i-STEM participants will receive one paid i-STEM undergraduate professional development credit from the College of Southern Idaho. To receive this credit participants will fill out a registration form during the institute and complete the following assignment.

Contact: John Hughes, CSI - jhughes@csi.edu ; 208-732-6549.

Participants must:

1. Attend all 4 days of the strand and institute.
2. Complete the post-institute survey via the Community Grants Portal (<https://idahostem.force.com/gms/>)
3. Complete the registration process for Mentorship Portal (<https://mentorship.stem.idaho.gov/>)

Assignment for 2nd Professional Development Credit

Engage with Mentors

i-STEM participants will have the opportunity to purchase (\$60) a graduate professional development credit from Boise State University upon completion an assignment throughout the 2018-19 school year. A link to register for this credit and more information is available in the syllabus linked below.

Contact: Kaitlin Maguire, STEM AC - istemstem@idaho.gov; 208-332-1729.

- [i-STEM 2018 BSU Syllabus \(pdf format\)](#)

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