



<https://www.jmu.edu/stemcenter/>

@JMUSTEMCenter



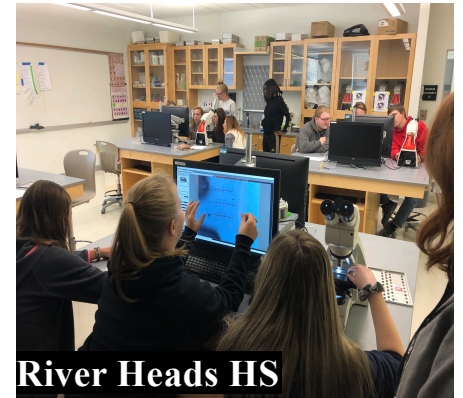
Montevideo MS



Second Home



William Perry ES



River Heads HS

4th Annual Brain Bee Sat. morning, Feb 12th, 2022



- For 13-19 year-olds
- On Campus (free parking)
- NO COST
- Competition plus hands-on experiences neuroscience research labs
- All questions from a FREE online book
- Our regional winner competes at Nationals
- Last year, our winner placed 2nd at Nationals!
- <https://www.jmu.edu/engagement/news/Neuro-Comp-Spring21.shtml>
- Registration live on November 29th
- And/or contact me to be on email list (cresawko@jmu.edu)

Annual Connecting and Professional Learning Breakfast: Friday April 8th, 2022



- Science, Math, and other K-12 STEM educators
- On campus (free parking)
- NO COST
- Includes breakfast buffet
- Opportunity to connect with other teachers
- Opportunity to connect needs with JMU opportunities
- This year's workshop: integrating real-life data science into science and STEM curricula.
- Registration live ~early December
- And/or contact me to be on email list

DISCOVER STEM

Developing Ideas for Social Change through Opportunities in Versatile, Engaging, and Relevant STEM

- 2-2.5-hour experience in authentic STEM practices modeled after current JMU faculty research
- Incorporates practices in STEM thinking to promote understanding of the connection between the practices, research questions and a current social or global inequity (e.g. data analysis and visualization, systems thinking, model-based reasoning)
- Example, first lesson developed: student synthesize and test chitin-based biopolymer plastic materials in the context of addressing economic health and living condition disparities of “pickers” in South East Asia
- These are being developed by research faculty along with their undergraduate research student.
- We will pilot these with different audiences in Spring 22, **offer in Fall 22**. Check “For K-12 Teachers” link on website sometime this Spring for an update.

Image sources in notes



Wind and Solar Energy Educational Resources



Invite us to your
Classroom ▶



Visit JMU ▶



Borrow a Kit ▶



KidWind Challenge ▶



Professional
Development ▶



Student Research ▶

<https://www.jmu.edu/case/educator/index.shtml>



CENTER *for the*
ADVANCEMENT *of*
SUSTAINABLE ENERGY
JAMES MADISON UNIVERSITY.

REMY PANGLE

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**CENTER FOR THE
ADVANCEMENT OF
SUSTAINABLE ENERGY AT JMU**

2021-2022 Highlights

- ▶ Classroom visits
 - ▶ Virtual activity facilitation
 - ▶ In person as requested
- ▶ JMU visits
 - ▶ SOS on East Campus with energy playlists
 - ▶ Outdoor classroom at wind facility
- ▶ Kit Library
 - ▶ Satellite kit locations at 4H Centers around VA
 - ▶ New custom kits available to serve students or classes
- ▶ KidWind Challenges
 - ▶ Wind and Solar Challenges
 - ▶ In-person (JMU in March) and virtual challenges
- ▶ Professional Development
 - ▶ Challenge coach trainings
 - ▶ Email requests
- ▶ Rocktown Energy Festival
 - ▶ October 2, 2021 - Turner Pavilion
 - ▶ Educational activities and energy carnival