Important Dates

**November 4** - HASTI Board meeting, Pike High School

**February 17, 2019** – HASTI Board of Directors meeting, Wyndham – Indianapolis West

HASTI Mission Statement:
The purpose of HASTI is the advancement, stimulation, extension, improvement, and coordination of science education in all fields of science at all educational levels. HASTI founders, 1969

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48th Annual HASTI Conference
STEM: Science Teachers Engaging Minds

February 17-19, 2019
Wyndham Indianapolis West
2544 Executive Dr.
Indianapolis, IN 46241

Conference Chair: Frank Drumwright
e-mail questions to ConferenceChair@hasti.org

Conference update

- Proposals have been reviewed- be watching for an email regarding the status of your proposal
- Registration will be up soon! Check the HASTI site for more information. An email blast will let you know when you can begin the process

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HASTI/NSTA Joint membership

HASTI in partnership with NSTA now offers a joint membership. When signing up for a new or renewal NSTA membership you will have the option to sign up for a new or renewal HASTI membership. Each one will be discounted for a combined regular membership of $84, a savings of $15. Look for additional information on the HASTI website.

HASTI will still offer the HASTI only membership as well.

Visit https://hasti.wildapricot.org/join/ for more information.

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Sci-Ed-Ogram

Hoosier Association of Science Teachers, Inc.
November/December 2018

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Newsletter Editor:
Shannon Hudson
Crawfordsville M. S.
Crawfordsville, Indiana
47933

E-Mail:
shudson@cville.k12.in.us
HASTI Swag is back open for business!

The next ordering window for HASTI swag is open and will be until Tuesday, January 15. All items ordered during this time will be available for pick up at the HASTI conference in February, which means you do not pay shipping costs. You will also be able to order again at the conference just in case you find something you love.

Take a look at what is available at https://hasti19.itemorder.com/sale
HASTI Website (www.hasti.org)

Just about everything you need to know about HASTI you can find on the new and improved website. Participate in FORUMS with your District and Grade Level Directors. Go to: http://www.hasti.org/forums. There you can ask questions, network and find out what is happening in your district.

Teachers will find information about workshops, legislative updates, science news and cool websites at https://hasti.wildapricot.org/events.

Besides information concerning HASTI you will find links to several associated groups of HASTI. They include:

- Indiana Alliance of Chemistry Teachers (IACT)
- Indiana Association of Biology Teachers (IABT)
- Indiana Section - American Association of Physics Teachers (IN-AAPT)
- Indiana Earth Science Teachers Association (IESTA)
- Indiana Association for the Education of Young Children (Indiana AYEC)
- I-STEM Resource Network
- Environmental Education Association of Indiana (EEAI)

At each site, you will learn about membership in each group, officers, and upcoming events offered to Indiana teachers.

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<td>Vice President - Shannon Hudson</td>
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Congratulations!

These three teachers have been selected as Indiana State Finalists for the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST).

Daniel Cairl
Fifth and sixth grade science teacher
Fremont Middle School
Fremont Community Schools
Fremont, IN

Aaron Hamilton
Fourth grade teacher
Wyandotte Elementary School
Tippecanoe School Corporation
Lafayette, IN

Kelli Sommers
First – fifth grade STEM teacher
Rosa Parks Elementary School
Perry Township Schools
Indianapolis, IN

Each of these Indiana K-6 science teachers is eligible to receive a PAEMST award, the nation’s highest honor for U.S. K-12 mathematics and science teachers. The National Science Foundation (NSF) on behalf of The White House Office of Science and Technology Policy administers the awards program. State Finalists represent the most outstanding teachers Indiana has to offer and serve as both models and inspirational leaders to students and fellow teachers.

Each year, a national committee of distinguished scientists, mathematicians, and educators recommends up to 108 teachers to receive PAEMST awards. Up to two teachers – mathematics or science - from each State, the District of Columbia, Puerto Rico, the U.S. territories as a group, and schools operated in the United States and overseas by the Department of Defense Education Activity receive the award. Teachers who are selected as PAEMST awardees receive a trip to Washington, D.C., where they attend a series of recognition events and professional development opportunities. They also receive a $10,000 award from NSF and a Presidential certificate.
Have a great project, idea, pedagogy shift, or something your students love to work on in your class? The Hoosier Association of Science Teachers, Inc. honors Indiana educators each year through several innovation education awards. We invite nominations for these awards.

The 2019 HASTI Awards will be presented during the 2019 HASTI Annual Conference at the HASTI Awards Banquet on February 15, 2018. This special celebration will not only recognize those receiving these awards but will feature a speaker for the event. All entries must be received on November 10, 2019, via online submission. Self-nominations are accepted.

For more information email: AwardsManager@hasti.org

Below are the various HASTI awards to be recognized at the awards banquet.

The Edward L. Frazier Distinguished Service Award
Cheryl Cowan Memorial Award for Innovative Elementary Science Teaching
Charlotte M. Boener Memorial Award for Innovative Middle School Science Teaching
Clyde Motts Award for Innovative High School Science Teaching
Innovative College Science Teaching Award
New! The Gene Stratton-Porter Environmental Science Award
Presidential Award for Excellence in Science Teaching
HASTI HAPPENINGS

Need PGPs, continuing education points, or just want a great conference to attend but don’t know where to look? Skim through these next pages. Chances are you will find just what you are looking for! If you have something you would like to include in these pages, please send them to Shannon Hudson, shudson@cville.k12.in.us

Argument Driven Inquiry Workshops Coming to Indiana

Looking for an evidenced-based methodology to help create your STEM curriculum? Wanting to learn more about a model that includes inquiry, is phenomenon-based, and incorporates the science and engineering practices? The opportunity to participate in this instructional model – Argument-Driven Inquiry that is evidenced based is coming to Indiana. Learn how the 8-stages of the ADI model can be utilized in K-12 classrooms and align with math and language arts standards as well as the K-12 science standards. See flyers below. Don’t delay – sign up now.
WORKSHOP OVERVIEW
This workshop is an introduction to the Argument-Driven Inquiry (ADI) instructional model. During this workshop, participants will have an opportunity to learn about the ADI instructional model by participating in all eight stages of an ADI lab investigation from start to finish. The participants will then have time to reflect on their experiences during the lab investigation and ask clarifying questions. Finally, the participants will see how ADI is aligned with the state standards for Science and English-Language Arts and learn about ways to support students during each stage of the approach.

AGENDA:
- Why ADI?
- Experience all 8 Stages of an ADI Investigation
- Reflecting on Experience
- Common Questions about ADI
- Standards Alignment

MATERIALS INCLUDED:
- Prepulation of 8 Elementary ADI Labs
- Lab Handouts
- Guidance PowerPoint for the Example Lab

WORKSHOP INFORMATION
DATE: January 15, 2019
TIME: 9:30 am - 3:00 pm
LOCATION: The Children’s Museum, 3000 N. Meridian, Indianapolis, IN 46208
COST: $150
REGISTRATION INFORMATION: Visit: https://hasti.wildapricot.org/event-3116091
ADI WORKSHOP
Introduction to the Argument-Driven Inquiry Instructional Model for Middle School and High School Educators

WORKSHOP OVERVIEW
This workshop is an introduction to the Argument-Driven Inquiry (ADI) instructional model. During this workshop, participants will have an opportunity to learn about the ADI instructional model by participating in all eight stages of an ADI lab investigation from start to finish. The participants will then have time to reflect on their experiences during the lab investigation and ask clarifying questions. Finally, the participants will see how ADI is aligned with the state standards for Science and English-Language Arts and learn about ways to support students during each stage of the approach.

AGENDA:
- Why ADI?
- Experience all 8 Stages of an ADI Investigation
- Reflecting on Experience
- Common Questions about ADI
- Standards Alignment

MATERIALS INCLUDED:
- Lab Handouts
- Guidance PowerPoint for the Example Lab

WORKSHOP INFORMATION
DATE: January 14, 2019
TIME: 9:30 - 3:00 pm
LOCATION: Indiana University - Southeast, New Albany, Indiana
COST: $150 (catered lunch - $15)
REGISTRATION INFORMATION: https://hasti.wildapricot.org/event-3116088
Weekend Workshops for Biology Teachers

2018-2019 Focus: Advanced Placement (AP) Biology Labs

Schedule

November 10th, 2018, 9:30am — 3:00pm
AP-Lab Investigation #5
“Photosynthesis”
Presenter: TBD

March 9th, 2019, 9:30am — 3:00pm
AP-Lab Investigation #3
“Comparing DNA Sequences to Understand Evolutionary Relationships with BLAST.”
Presenter: Dr. Clark Gedney, Purdue University

April 6th, 2019, 9:30am — 3:00pm
AP-Lab Investigation #9
“Biotechnology: Restriction Enzyme Analysis of DNA.”
Presenter: Isidore Julien, Outreach Coordinator, Biology, Purdue University

Location
Department of Biological Sciences
Purdue University, West Lafayette
Lilly Hall, Room 1-407

Cost
IABT Members- Free
Non-IABT Members - $35.00 (Includes 1 year membership in IABT)

All Workshop Materials Provided
5 PGP Points Awarded For Each Workshop Attended
Light Breakfast and Lunch Served

Registration: Contact Isidore Julien at julieni@purdue.edu or 765-494-4983
Upcoming Events for Educators

**Educator Empowerment Series**

**Workshops**
Opportunities for parents and formal and informal educators to strengthen STEM content knowledge, hear from local STEM experts, get ideas for activities, and earn PGPs or CYC points. $15 per participant.

November 6, 2018
February 26, 2019
April 9, 2019

Registration:
[https://thestemconnection.org/professional-development/](https://thestemconnection.org/professional-development/)

**Newsletter**
Sign up to receive our quarterly Educator Empowerment Newsletter. Each newsletter focuses on a STEM theme and contains STEM content, literature connections, activity ideas, and resources.

Sign-Up:
[https://thestemconnection.org/training-and-empowerment/](https://thestemconnection.org/training-and-empowerment/)

**Field Trips**
Come explore the farm with your class or group! Field trips run year-round and include a guided hike and two STEM activities. More information can be found at [https://thestemconnection.org/field-trips/](https://thestemconnection.org/field-trips/)

**HASTI Workshop**

**STEM and Nature - The Perfect Match**
Time in nature and nature in the classroom allow teachers unique opportunities to provide invitations for children to explore STEM. Experience how science standards, literature tie-ins, engineering concepts, math skills, and the use of technology can be incorporated easily in STEM and Nature opportunities.

Monday, February 18, 2019

**Spring Celebration Open House**
Join us at the farm to learn more about The STEM Connection and celebrate our Earth! Go for a hike, try some hands-on STEM activities, and learn more about the programs we offer for educators, parents, and youth to empower and engage participants in science, technology, engineering, and math. FREE!

Friday, April 26, 2019, 4:30-6:30 pm

**Family STEM Night at Your Site**
Every school and organization desires to give their students and families opportunities to learn together. Let us help you! We bring STEM activities, supplies and train your volunteers to insure an amazing Family STEM event. Our hands-on, fun experiences are aligned with standards, filled with STEM skills, and fun for the whole family! For more information, please contact Angela Fitzgerald at afitzgerald@thestemconnection.org.

Please visit our website for more information about programs. See you soon!
Now accepting applications for 2019

OXFORD, Ohio (Sept. 1, 2018) – Miami University’s Project Dragonfly is accepting applications for 2019 Earth Expeditions graduate courses that offer extraordinary experiences in 16 countries throughout the world. http://EarthExpeditions.MiamiOH.edu

Earth Expeditions can build toward the Global Field Program (GFP), a master’s degree that combines summer field courses worldwide with web learning communities so that students can complete the GFP master’s part-time from anywhere in the United States or abroad. http://GFP.MiamiOH.edu

Project Dragonfly also offers the Advanced Inquiry Program (AIP) master’s degree that combines web instruction from Miami University with experiential learning and field study through several AIP Master Institutions in the U.S. Applications for Miami’s 2019 cohorts are being accepted now with place-based experiences provided at zoos in Chicago, Cincinnati, Cleveland, Denver, New York, San Diego, Seattle, and our newest affiliate learning institution, St. Louis. http://AIP.MiamiOH.edu

Graduate tuition for all programs is greatly reduced because of support from Miami University.

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Astronomy

Contact:
Charles W. Brown Planetarium
Fall 2018 (Aug. - Dec.) Show Schedule
www.bsu.edu/planetarium

All programs are free and open to the public.

The Brown Planetarium staff are excited to share with you all two new programs just for school groups! We have added “The Moon” which teaches about the moon and the basics of phases. It is great for advanced Pre-K groups to 2nd graders. It’s unique in that it has been designed to be paused in-between sections to allow for live interaction. The modules teach:

Module 1 - The observable features of the moon.
Module 2 - The apparent daily motion of the moon.
Module 3 - The pattern of change in the moon’s appearance (phases).

For our older learners, we have purchased “Earth, Moon, & Sun.” Students in grades two through five will especially enjoy this look at the Earth-Moon-Sun system, though audiences of all ages can appreciate learning the science behind the myths. This planetarium show explores the relationship between Earth, Moon and Sun with the help of Coyote, an amusing character adapted from Native American oral traditions. Coyote has many misconceptions about our home planet and its most familiar neighbors. His confusion about the universe makes viewers think about how Earth, Moon and Sun work together as a system and learn to distinguish between myths and science.
Learn the basics of fusion and solar energy and why the Sun rises and sets. Examine the Moon's orbit, craters, phases and eclipses. You'll even take a look at past and future space travel to our Moon ... and beyond!

To reserve a private showing for your group, visit www.bsu.edu/planetarium. You'll notice our website has been redone and some older programs have been removed from the show library. If you'd like to see something that isn't listed anymore (like “Cosmic Colors” for instance) please just let us know and we'll see what we can do. As always, please mark any special requests on the online request form and we'll work with you to customize your visit. We hope to hear from you soon!

**Juno at Jupiter**

Nov. 2 at 6:30pm and 8pm  
Nov. 9 at 6:30pm and 8pm  
Nov. 16 at 6:30pm and 8pm

Join us as we explore what NASA’s Juno spacecraft is telling us about the largest planet in our solar system. Juno’s principal goal is to understand the origin and evolution of Jupiter. Instruments on Juno are revealing swirling clouds, intense aurora and deep weather systems - plus information on the spinning Great Red Spot. Underneath its dense cloud cover, Jupiter safeguards secrets to the fundamental processes and conditions that governed our solar system during its formation. Come learn what we are finding out.

Suitable for all ages 10+

**The Christmas Star**

Nov 30 at 6:30pm and 8pm  
Dec 7 at 6:30pm and 8pm  
Dec 14 at 6:30pm and 8pm

Over the years many people have tried to explain the appearance of the Star of Bethlehem, as described in the Bible. Can the star be explained as an exploding star, a comet or some other natural event in the sky? Potential natural explanations for the Star of Bethlehem and common modern-day misconceptions will be discussed.

Suitable for all ages 10+

**Planetarium Information**

- Planetarium shows are free of charge. We appreciate your support to make this possible.
- No tickets or reservations are required for public planetarium shows, but plan to arrive early as seating is done on a first-come, first-served basis. We do our best to open doors 30 minutes before show time. Food, drinks, gum or candy are not permitted in the planetarium.
- Children 17 years and under should be accompanied by an adult.
- Cellphones and any electronics that emit light must be turned off at the start of all programs. Please refrain from wearing light-up shoes to any planetarium programs.
- Please do not touch any of the planetarium equipment.
- The planetarium is located on the west end of the Cooper Science Complex, at 2000 W. Riverside Ave., Muncie.

For directions and parking information, as well as general policies, please visit the Charles W. Brown Planetarium website.
IU Science Outreach

Contact:
Teddie Phillipson-Mower, Associate Director, Office of Science Outreach, IUB College of Arts and Sciences at Indiana University Bloomington
(812) 856-0801 (office)
(812) 361-4594 (cell)
trphilli@indiana.edu

Like us on Facebook:  https://www.facebook.com/IUBScienceOutreach/
Follow us on Twitter:  @IUScihouse
Learn more about us on our website:  https://scienceoutreach.indiana.edu
Learn more about the IU STARS:  go.iu.edu/STARS
Learn more about the Integrated Freshman Learning Experience (IFLE):  go.iu.edu/IFLE

SAVE THE DATES:
November 9, 2018  Indiana Junior Academy of Science Research Competition
November 8 – 11, 2018  National Association of Biology Teachers Prof. Dev. Conference, San Diego
November 9, 2018  Indiana Junior Academy of Science Research Competition
February 17 – 19, 2019  2019 Hoosier Association of Science Teachers, Inc., Wyndham – Indianapolis West
March 16, 2019  Indiana Science Olympiad State Competition, Indiana University Bloomington

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STEM Teacher Training

Contact:
Deb Sachs, Director, Teach (STEM)³
317-788-2052
http://uindy.edu/education/teaching-fellowship

Want $20,000 to become a STEM teacher?  Are you or is someone you know thinking about becoming a STEM teacher?  Check out the University of Indianapolis Teach (STEM)³ program at <http://uindy.edu/education/teaching-fellowship/>.  Thanks to a National Science Foundation Robert Noyce grant, full-tuition stipends are available to qualified candidates for this initial teacher preparation, one-year clinical residency, Master of Arts in Teaching program.  In return, candidates agree to teach for at least two years in a high need local education agency.  During those two years they also receive university provided mentoring to help them become an outstanding STEM teacher.  Spread the word to help fill the STEM teacher pipeline!
The Purdue University College of Science K-12 Outreach is hosting the 2018 Indiana Virtual GLOBE Science Symposium through sponsorship from the Haliburton Foundation. The symposium allows students (individually or in groups) in grades 5 - 12 to share results from research investigations using GLOBE protocols and/or the GLOBE database. We hope the experience will prepare students for both the GLOBE International Virtual Science Symposium (IVSS) and the U.S. Midwest regional Student Research Symposia (SRS). The Top 2 projects submitted for the 2018 Indiana Virtual GLOBE Science Symposium will be recognized with the College of Science Staff and Faculty Choice Awards and will receive travel support to the Midwest Regional Science Symposium (May 2019). Comments on submitted Google DOCS and winners of the CoS SFC Awards will be announced no later than Friday, December 7, 2018.

Deadline:
Each student group must submit a link to their Google DOC by Wednesday, November 21, 2018 (11:59 PM EST)

Mentoring for Indiana Virtual Science Fair:
Mentoring for student group’s research questions is optional - if your student groups want feedback from Purdue graduate students, please submit the group’s draft of their research report to Steven Smith. Please understand that it will take up to 3 weeks to get feedback from these graduate students.

COST:
There are no costs to enter the Indiana Virtual GLOBE Science Symposium.

Science Mentoring Form
If you would like some help or feedback on your project, fill out the google form below.
https://goo.gl/forms/neUBWX7Q67SQPxe03

Resources:
U.S. Midwest regional Student Research Symposia (SRS)
https://www.globe.gov/web/united-states-of-america/home/student-research-symposia

GLOBE International Virtual Science Symposium (IVSS)
Physics

Contact:
Hugh Ross
(317) 582-0120 Ext.275
www.guerincatholic.org

All are welcome to the spring meeting of the Indiana Section of the American Association of Physics Teachers April 12-13, 2019 at Indiana University South Bend (IUSB).

Planned activities include a demonstration derby, hands-on workshop, short presentations of physics teaching ideas and more! College students and pre-service teachers will have their registration fee waived and are encouraged to attend. More information available as the event approaches at http://www.inaapt.org/

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The Indiana Academy of Science independent science research projects

Contact
Dr. Marcia Gillette, Junior Research Grants Program

The Indiana Academy of Science supports the efforts of Indiana 9-12 grade high school students in designing, conducting, and evaluating independent science research projects. The Academy is proud to support Indiana high school students who have an interest in science and science research. Let us tell you more…

• The Maximum research grant support is $300.00.
• Applicants and their teachers will be informed by mail of the final decision. Decisions will be made by mid- December, 2018.
• How do you apply for research grant funding?

To be considered, students must prepare a proposal according to the guidelines on the website of the Indiana Academy of Science located at http://www.indianaacademyofscience.org.

• DEADLINE: Research proposals must be submitted electronically no later than October 19, 2018 to the Deposit Box on the Indiana Academy of Science website.

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Indiana Science Olympiad

Contact
Linda (Lin) Wozniewski
Indiana University Northwest
Chemistry/Biochemistry/Physics/Astronomy Department
(219) 980-6637
lwoz@iun.edu

Indiana University Northwest will be holding a Build-It-Day for Middle and High School Science Olympiad teams on Sunday November 11th from 10-1 and 1-4. Teams will be able to bring in their materials for BoomALever, Battery Buggy, Mousetrap Vehicle, Mission Possible, Wright Stuff, Elastic Launch Glider, Roller Coaster, Thermodynamics, Protein Modeling, and Sound of Music and experts will be on hand to help them build their devices. The Build-It-Day is free, but registration is required. Just e-mail Lin at lwoz@iun.edu. No food will be provided, but teams can bring in food.

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Harmony School job opening

Contact
Send resumes to
P.O. Box 1787
Bloomington, IN 47402
harmonyoffice@harmonyschool.org

Harmony School, a small, independent school in Bloomington, Indiana, seeks a permanent secondary science teacher to start on January 1, 2019. The ideal candidate will relish the challenge of designing their own curricula in environmental, biological, and physical sciences. They will love working with young people inside and outside the classroom and appreciates the variety of ways that students learn. Harmony utilizes a project-based, holistic educational approach, which requires personalized involvement in the academic, social-emotional growth and development of our students. Looking for qualified applicants with experience teaching science and enthusiasm for working with adolescents.
Modeling Instruction

Contact
Bill Thornburgh, Ph.D.
Executive Officer
American Modeling Teachers Association
amtaexec@modelinginstruction.org
502-438-8099

Modeling Instruction is a research-based and effective pedagogy that originated in physics classrooms in 1990. Since that time, the American Modeling Teachers Association (AMTA) has developed curricula and workshops in a variety of other disciplines, including chemistry, biology, and middle school science (as well as others). In addition to summer workshops, AMTA also offers distance learning opportunities for STEM teachers wanting to learn about Modeling Instruction, earn CEUs, earn graduate credits, or who are needing professional development for pay increases. The American Modeling Teachers Association is offering three distance learning courses that begin in January. These courses can be for STEM teachers who have never heard of, or taken, a Modeling Workshop OR there are offerings for existing Modelers looking to learn more.

Introduction to Modeling
January 17-April 25, 2019
Mondays and Wednesdays, 7-9pm

Advanced Modeling Instruction : Cognition and Instruction in STEM
January 17-May 2, 2019
Thursdays, 7-10pm (ET)

Chemistry II
January 22-April 30, 2019
Tuesdays, 7-10pm (ET)

Information and registration for these courses can be accessed by visiting:
https://www.eweblife.com/prm/AMTA/rsvp-signup/unapplied-list

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Elementary Science Literary
Thank you Kristen Poindexter, Dawn Bick and participants for a fantastic elementary science literacy conference on Saturday, October 27 at Spring Mill Elementary School in Indianapolis! All those who attended chose an elementary book and created fabulous 5E lesson plans based on topics presented in those books. Go to this link to check out what they created- and feel free to use them in your classroom!

https://docs.google.com/spreadsheets/d/1fj-jCTIuoFe4m68zW0Pa1hk9Wf2bZjWHjL1B65EyZvs/edit?ts=5bd48e3c#gid=2086730035
The Educator Empowerment Workshops are meant to help formal and informal educators strengthen their understanding and comfort level with specific STEM content. Advanced registration required and available through the website.

Children are constantly learning and educators, youth workers and parents want to help children be the best they can be! Be empowered to help the children in your life on their learning journeys. Join us to gain knowledge about STEM content: Force and Motion, Plants/Ecosystems/Invasive Species, Minerals/Rocks/Soil and Weather. Each night a topic will be highlighted, guest experts will share, lessons will be offered and connections made to Indiana Science Standards for K-8 grade. PGPs and CYC points will be offered.

11/6/18 – Weather
5:00 pm – 6:30 pm – $15 per person
Educator Empowerment Workshops are adult only events.

thestemconnection.org
The National Museum of African American History and Culture (NMAAHC) invites teachers to apply for its inaugural Science, Technology, Engineering, and Math (STEM) Master Teacher Fellowship. At NMAAHC, STEM Master Teachers act as leaders in the development of STEM content, activities, and workshops for K-12 teachers and students. The STEM Master Teacher Fellowship helps NMAAHC promote its education initiative through the improvement of teaching and learning about African Americans, their STEM contributions to American history and culture, and the STEM principles on which their contributions are based.

The fellowship provides an opportunity for a K-12 STEM teacher to work remotely with the National Museum of African American History and Culture staff throughout the 2018-2019 school year, and onsite for the selected teacher’s spring break, and a two-month period during the summer in Washington, DC. The NMAAHC STEM Teacher Fellow will be an integral member of the NMAAHC Education team as they assist in providing professional development workshops and virtual content to K-12 STEM teachers across the nation.

The selected teacher will
- Conduct research using the Smithsonian collections to expand understanding of the role African Americans have played in STEM and invention
- Develop experiential professional development opportunities for K-12 educators
- Plan and provide a week-long professional development workshop for K-12 educators
- Provide educational guidance and assistance for additional programs and materials as needed

Travel to and from Washington, D.C. will be arranged and paid for by the museum. The selected candidate will also receive a monthly stipend to offset lodging expenses for the time spent in Washington, DC.

**THE APPLICATION CLOSES NOVEMBER 27, 2018.**

For more information visit: [https://nmaahc.si.edu/stem-master-teacher-program](https://nmaahc.si.edu/stem-master-teacher-program)