Don't Miss This Grant Opportunity

Attention School Leaders: Superintendents, Principals and CTE Directors

From: Dan Stacy, HSTW/MMGW, OSTW, OSII Consultant; Career-Technical Education

Contact Us to Receive Stipends, Training and Equipment Grants to Adopt Advanced Career (AC) STEM-Focused Curricula in Fall 2018. These STEM and project-based AC curricula require students to work in teams, perform research and use technology to design, build and reengineer products, develop tests and analyze results. Students develop a strong numbers sense, learn to read complex texts and collaborate with others to solve real-world problems. Students learn how STEM knowledge supports the path to postsecondary education and a rewarding career.

- The equipment grant (in the amount of $10,000) will be used for the purchase of equipment and materials needed and support the tuition to STTI to implement the AC pathway.

► **All schools receiving a grant must sign a Memorandum of Understanding (MOU) with SREB by December 31, 2017, and they must implement Course 1 in Fall 2018.**

Apply for training and equipment grants for AC curricula:

Aerospace Engineering appeals to students who are curious about the design and flight of aircraft and space vehicles. Students learn and apply the engineering design process to building and testing aircraft, exploring space and studying underwater components.

Clean Energy Technology interests students who seek to utilize the latest technologies to tackle global energy needs within a green point of view. Students apply science and math knowledge and the operating principles of clean energy systems to solve problems that involve photovoltaic systems, biofuel generation, water power, energy harvesting and more.

Energy and Power attracts students who are interested in a career that will allow them to apply science, math and technical skills and knowledge. Real-world assignments help students to understand the interplay of the generation, distribution and use of the five energy types: chemical, electromagnetic, heat, nuclear and mechanical.

Global Logistics & Supply Chain Management engages students who want to use research and assessment to solve complex spatial problems about how to move people and products between points. Students solve real-world challenges, collaborate and practice critical thinking skills as they develop solutions to authentic logistics and supply chain problems that businesses face locally and internationally.

Innovations in Science and Technology appeals to students who want to solve real-world problems and develop an understanding of the relationship among the physical, biological and social world. Students experience the interaction of science, technology, engineering, mathematics and literacy through the project-based learning environment of this broad STEM based curriculum.

Informatics Informatics is for students who have an inquiring mind and are interested in the design of information systems to solve problems.

Integrated Production Technologies students use innovative technologies to imagine and design new and improved products. They apply what they learn in physics, chemistry and biology to real-world projects using emerging, cutting-edge materials.

Automated Materials Joining Technology will appeal to students who want to focus on joining and forming technologies, materials science, computer-aided design and automated systems — key facets of advanced manufacturing.

Choose Advanced Career STEM-focused curricula for your school:

► Explore AC course syllabi and sample project units: http://www.sreb.org/advanced-career

What students and teachers are saying about AC curricula?
My first AC course enabled me to determine a career niche. I plan to take additional AC courses throughout the rest of high school. — Student
The leadership, collaboration and initiative that this course has brought to our freshmen are unprecedented. AC Informatics students have a huge edge over other students when competing for good jobs. — Haldan Pflueger-Smith, AC Informatics teacher
Teachers to contact about how AC curricula are making a difference:
Aerospace Engineering
Dothan Technology Center, Dothan, Alabama: AC Teacher Terry Thornton, tethornton@dothan.k12.al.us
Clean Energy Technology
Goose Creek High School, Goose Creek, South Carolina: Assistant Principal Paul Herman, hermanp@bcsdschools.net
Energy and Power
Madison County High School, Madison, Florida: Science and AC Teacher, Andrea Krell, andrea.krell@madison.k12.fl .us
Informatics
The High School of Commerce, Springfield, Massachusetts: Haldan Pflueger-Smith, Algebra and AC Teacher, smithha@springfieldpublicschools.com
Innovations in Science and Technology
Clay County High School, Manchester, KY: Principal Melissa Isaacs, misaacs89@gmail.com
Global Logistics & Supply Chain Management
Heart of Georgia College and Career Academy, Dublin, Georgia: CEO and AC Teacher, tiffany.lofton@dublincityschools.us
Integrated Production Technologies
Carver Career and Technical Education Center, Charleston, West Virginia: AC Teacher Bruce Hamrick, bhamrick@mail.kana.k12.wv.us
Informatics draws students who seek to explore a career field that combines aspects of software engineering, human-computer interaction, decision theory, organizational behavior and information technology. The curriculum allows students to utilize software systems to collect, store, assess and communicate data for meaningful outcomes.

To take advantage of this funding opportunity and adopt an AC curriculum, complete and email the following form by December 31, 2017 to:
► Dan Stacy, HSTW/MMGW, OSTW, OSII Consultant, Career-Technical Education
Email: dan.stacy@education.ohio.gov; phone: 614-644-6325
Please contact us with any questions you may have.
We will also contact you after receipt of the following form.

_____

Name: _____ Title: _____

School: _____

Email: _____ Phone: _____

I am interested learning more about the 2016-17 training and equipment grants for:

_____ Aerospace Engineering   _____ Informatics

_____ Clean Energy Technology   _____ Integrated Production Technologies

_____ Energy and Power   _____ Innovations in Science and Technology

_____ Global Logistics & Supply Chain Management   _____ Health Informatics

_____ Automated Materials Joining Technology   _____ I would like to visit a school that offers the program.