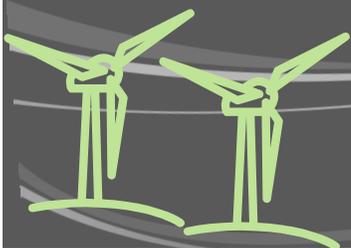


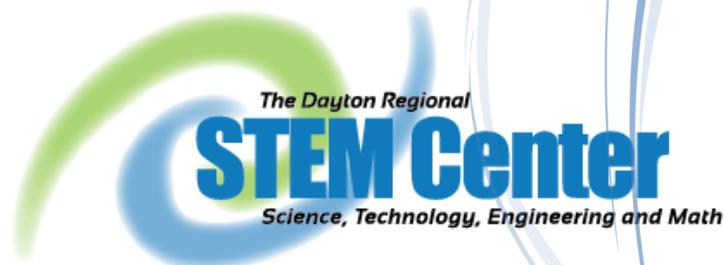
Seeking STEM Industry & Higher-Ed Volunteers



Volunteers **NEEDED** to Collaborate in Curriculum Development with K-12 Teachers !

All scientific & engineering fields such as:

- Aerospace & Aviation
- Agriculture & Environmental Engineering
- Biology, Chemistry, Physics
- Civil & Structural Engineering
- Electrical Engineering
- Materials & Manufacturing
- Mathematicians & Statisticians
- Sensing Technologies
- Power, Propulsion, & Alt Fuels
- Human Factors & Medicine



Interested in learning more?

Join our information session:

October 3, 2018 at 5:30 pm

RSVP by: **September 28, 2018**

Marti Baker

937.225.4598

Marti.Baker@mcesc.org

Location: **Montgomery County ESC**

200 South Keowee St.

Dayton, Ohio 45402

Introduction to STEM Education

One of the most significant movements in the field of education today is the push to create powerful STEM learning experiences for students from early childhood through college. STEM stands for Science, Technology, Engineering, and Mathematics, but it is more than the simple sum of these four disciplines. Powerful STEM learning experiences provide students with engaging lessons specifically designed to promote inquiry, critical thinking, and problem solving. Equally important, they seek to help students see the powerful connections between the four fields of study and how those connections operate in the real world laboratories, industries, and research institutes in the Dayton region and beyond!

An Invitation to Steer the Future

In order to carry out its important work, the Dayton Regional STEM Center needs to harness the collective energy and creativity of area teachers, professors, scientists, and engineers who would like to play a pioneering role in shaping STEM Education.

Scientist and engineer STEM Fellows will volunteer for thirteen meetings to collaborate on a curriculum writing team in effort to produce innovative, age appropriate, standards based STEM lessons. Additionally, these industry volunteers are encouraged to support community outreach and in class STEM activities. If you are interested in learning more, please attend the upcoming information session for pertinent details.

STEM Fellow meetings are a continued collaboration of STEM industry volunteers, higher education volunteers and educators. **Please see the attached schedule** for the Fellows season. We ask that volunteers are able to commit to season scheduling. We understand that occasional absences are to be expected.



2018-2019 STEM FELLOWS SEASON

FELLOWS MEETINGS (4:30-6:30pm)

October 24	Session 1
November 7	Session 2 - Three (3) hour meeting - Dinner will be provided
November 28	Session 3
December 12	Session 4
January 09	Ideation Phase 1
January 16	Ideation Phase 2
January 30	Team Brainstorming
February 13	Curriculum Phase 1
February 27	Curriculum Phase 2
March 13	Inclement Weather Makeup Session
March 20	Curriculum Phase 3
April 17	Curriculum Phase 4
May 1	Curriculum Phase 5
May 15	Curriculum Debut & Awards Banquet

All meetings are held at the **Montgomery County Educational Service Center**, 200 South Keowee Street, Dayton, Ohio.

If you are interested in supporting this STEM Educational outreach effort please RSVP to attend the informational session on **October 3, 2018 at 5:30pm**. If you are unable to attend the informational session, but are able to support the meeting schedule above, please contact Marti Baker at (937)225-4598 to learn more.

Annually this program supports professional development to approximately 20 districts in the Dayton region including private and charter schools. Since inception, programming efforts have impacted over 100,000 regional students and hundreds of professionals interested in positively impacting student understanding and self-efficacy in science, technology, engineering, and math.

Check us out at: DaytonRegionalSTEMCenter.org