



Millard Oakley STEM Center

TENNESSEE TECH

Oakley STEM Center Calendar of Events Summer 2017

<https://www.tntech.edu/stem/register>

Educators & Schools

June 2017

19 | Innovative Educator Workshop, Day 1 Introductory

8:30 am – 3:30 pm

Description: Limited to 25 participants with stipends provided by a grant from the Tennessee STEM Innovation Network (TSIN). The focus of the workshop is 3-D printing. Participants will learn how to use MakerBots and resources for developing classroom activities. Open to grades K-12. Participants may attend both or either Day 1 and Day 2 workshops, but may NOT attend repeat sessions.

21 | Innovative Educator Workshop, Day 2 Advanced

8:30 am – 3:30 pm

Description: Limited to 25 participants with stipends provided by a grant from the Tennessee STEM Innovation Network (TSIN). The focus of the workshop is 3-D printing. Participants will explore projects and resources more deeply and share what they have done with students already in the classroom. Open to grades K-12. Participants may attend both or either Day 1 and Day 2 workshops, but may NOT attend repeat sessions.

22 | Innovative Educator Workshop, Day 1 Introductory Repeated

8:30 am – 3:30 pm

Description: Limited to 25 participants with stipends provided by a grant from the Tennessee STEM Innovation Network (TSIN). The focus of the workshop is 3-D printing. Participants will

learn how to use MakerBots and resources for developing classroom activities. Open to grades K-12. Participants may attend both or either Day 1 and Day 2 workshops, but may NOT attend two of the same sessions.

23 | Innovative Educator Workshop, Day 2 Advanced Repeated

8:30 am – 3:30 pm

Description: Limited to 25 participants with stipends provided by a grant from the Tennessee STEM Innovation Network (TSIN). The focus of the workshop is 3-D printing. Participants will explore projects and resources more deeply and share what they have done with students already in the classroom. Open to grades K-12. Participants may attend both or either Day 1 and Day 2 workshops, but may NOT attend two of the same sessions.

27 | Lending Library Training

4th Tuesdays of Each Month

4:00 pm – 6:00 pm

Description: This training is available to anyone who is interested in checking out supplies from the Oakley STEM Center. When you gain access to the Lending Library, you not only gain access to great tools to use in the classroom, you are entering a collaborative community of educators sharing their experiences and lessons with the equipment we offer.

July 2017

12 | Total Eclipse Workshop

8:30 am – 3:30 pm, NOTE: This workshop is being held on the campus of Prescott South Elementary/Middle School located at 115 West Cemetery Road, Cookeville, TN 38506

Description: The Millard Oakley STEM Center is hosting a series of workshops for Elementary and Middle School teachers to prepare for the Great American Total Solar Eclipse Event happening August 21, 2017. This full day workshop will explore several activities in greater detail than the previous after school workshops. Come and plan curriculum activities that you can incorporate into your classroom to prepare for the event. You may attend again even if you did the previous workshops.

13 | Code.org K-5 Curriculum Teacher Workshop

9:30 am – 3:30 pm

Description: Taught by Code.org Affiliates who are experienced computer science educators, our free workshops will prepare you to teach elementary school computer science curriculum for grades K-5.

22 | Ready for TN Science PLC Teacher Workshop

9:00 am – 3:00 pm

Description: The Millard Oakley STEM Center is continuing our Ready for TN Science PLC to assist educators in navigating the anticipated transition to the new Tennessee Science Standards. Come explore these important science education concepts with your peers. Each session is

anchored in the Conceptual Framework for K-12 Science Education and the new TN Science Standards. Dr.'s Leslie Suters and Kelly Moore will serve as your instruction team.

- 25 | WCTE Ready to Learn PreK-2nd Grade Teachers Explore PBSKids for Your Classroom Workshop
8:30 am – 3:00 pm

Description: Join WCTE's Cindy Putman for a fun filled day of learning about how to utilize PBSkids in a classroom setting. Explore PBSkids, PBSkids Lab, PBS Parents and apps for learning. Find out what resources are available to enhance your classroom instruction. The focus will be on literacy, math, and science and critical thinking skills for young learners so they will be Ready To Learn!

- 25 | Lending Library Training
4th Tuesdays of Each Month 4:00 pm – 6:00 pm

Description: This training is available to anyone who is interested in checking out supplies from the Oakley STEM Center. When you gain access to the Lending Library, you not only gain access to great tools to use in the classroom, you are entering a collaborative community of educators sharing their experiences and lessons with the equipment we offer.

August 2017

- 14-18 | E(x)peditions to the Oakley STEM Center

Each School Day during the week of August 14 9:00am-1:30pm

Description: The Millard Oakley STEM Center is hosting E(x)peditions that will provide an engaging lesson led by a member of the Oakley STEM team and assisted by the classroom educator. This will allow the classroom educator to facilitate the learning environment while the Oakley STEM team instructor leads the content of the E(x)pedition. Please submit a request to Dr. Scott Eddins (seddins@tntech.edu) to provide the information needed to check availability. Dr. Eddins will coordinate and confirm your request upon receiving your information.

- 22 | Lending Library Training
4th Tuesdays of Each Month 4:00 pm – 6:00 pm

Description: This training is available to anyone who is interested in checking out supplies from the Oakley STEM Center. When you gain access to the Lending Library, you not only gain access to great tools to use in the classroom, you are entering a collaborative community of educators sharing their experiences and lessons with the equipment we offer.

Kids, Families & Community

June 2017

- 20 | Longest Day of the Year Celebration 6:00 pm – 8:00 pm

Description: Come and celebrate the Summer Solstice with star gazing activities such as telescopes, the virtual theater, and a mini-planetarium. And, learn more about the Great American Eclipse happening on August 21.

July 2017

- 27 | Robotics Activity Workshop for Elementary & Middle School Students
9:00 am – 12:00 pm

Description: Learn about Robotics and how they work. This session is intended for upper elementary and middle school aged students.

- 27 | Robotics Programming Activity Workshop for Middle & High School Students
1:00 pm – 4:00 pm

Description: Learn about Robotics Programming as you work with Finch Robots and other kits designed for the beginning programmer. This session is intended for middle & high school aged students.

- 28 | Robotics Activity Workshop for Elementary & Middle School Students
9:00 am – 12:00 pm REPEATED SESSION from July 27

Description: Learn about Robotics and how they work. This session is intended for upper elementary and middle school aged students.

- 28 | Robotics Programming Activity Workshop for Middle & High School Students
1:00 pm – 4:00 pm REPEATED SESSION from July 27

Description: Learn about Robotics Programming as you work with Finch Robots and other kits designed for the beginning programmer. This session is intended for middle & high school aged students.

August 2017

- 21 | Great American Eclipse
12:30pm-2:30pm

Description: Make plans to join us August 21st, 2017 at Tucker Stadium for one of the largest total solar eclipse viewing parties ever! Stay tuned for more details about this event and other community events surrounding the eclipse at <https://www.tntech.edu/stem/great-american-eclipse-2017>