



Issue 4 | February 2019

Tewksbury Education Foundation

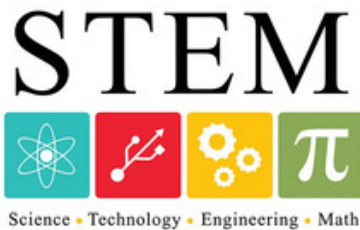
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News You Can Use

Roseann Humphrey, Interim Superintendent



It's clear that STEM - science, technology, engineering, and mathematics - are essential components of our children's education in the 21st century. Both the federal and state governments have made STEM a focus for education. These areas of study are of utmost importance to America's future workforce and schools must develop the necessary skills in these subject areas to ensure the United States will remain a global leader.

Rosann Humphrey, Interim Superintendent of Tewksbury Township School District, recently shared with us how our district is embracing STEM through an evolving curriculum that will ensure our students are well prepared for the progressive, fast paced environment of the future:

"One of the objectives of the Tewksbury Township School District's Strategic Plan is to increase student-directed learning and exploration. This incorporates STEM learning by providing students with instructional experiences that foster individual potential, critical thinking, appropriate social-emotional development and a love of learning. In addition, a goal of our strategic plan is to infuse and integrate technology by providing access to state-of-the-art technological tools to enhance learning."

The TEF is proud to support our district's strategic plan by sponsoring several innovative STEM initiatives for the students of Tewksbury Township.

Program Spotlight

Community Corner



Holocaust Survivor Lecture "Survivors Speak"

Community is welcome!
OTS APR
April 3rd
1:00 - 2:30pm

Tiger Trot
Sunday, 5/19, 12:30 pm at
Christie Hoffman Park in
Califon

Barn Dance
Saturday, 6/8, at Life Camp in
Pottersville

More details coming soon!

[Learn More](#)



Robotic STEM Programs (TES and OTS)



4th Grade - Coding Musicians

In this 3-day program, Code The Future (CTF) taught students how to create music using programming software. CTF staff taught students how to write and debug code using different challenges and techniques. Students heard their code come alive, and coded a song! Students presented their final song at the end of the program.



6th Grade - Smart Car Developers

In this 5-day program students worked in teams to program robots with visual programming software. The robot acted as a self-driving car, and the students picked one of three routes to program the car to drive through. Each route came with unique challenges, such as changing lanes and stopping for pedestrians. Code the Future staff guided students through the process of writing, debugging and watching their code come alive as they implemented their code in a robot.

Person Spotlight

Sarah Sleiman, Code the Future

TES Happenings

Jungle Book Symphony Performance
Grades 4th and 5th
February 6th

Wellness Program RECOVER
4th grade
February 8th

[Learn More](#)

Looking Ahead:

Science Can Dance!
Kindergarten
March 5th, 12th, 19th and 29th

Wellness Program FNDI IRE
4th grade
March 8th

Earth Science
2nd Grade
March 11th, 12th, 13th and 15th

Parade of Nations
1st Grade
March 20th - 28th

Holocaust Program "Survivors Speak"
5th - 8th grade
OTS
April 3rd

[Learn More](#)



OTS Happenings

Animodule Art Sculpture
7th grade
5 consecutive weeks
January - February

Cyber Addiction
7th grade
February 7th



I grew up in North Brunswick, NJ, and while in high school I went to one robotics meeting and was immediately hooked. I spent most of my high school experience in the robotics room, preparing for competitions. My team and I traveled all over the US to compete and in 2012 we won the World Championships. My robotics experience in school helped me realize how passionate I was about technology and I knew I wanted to stay involved.

When I graduated from high school, I started [Code the Future](#) so I could continue my passion and help solve a problem - the lack of STEM graduates in the US. Now, my team and I work with students all over NJ running programs such as Smart Car Developers where students program a robot to autonomously drive through roads, change lanes and stop for a grandma crossing the road; Drone Developers where students program a drone to go through space-themed missions; Coding Musicians where students code their own song and Robotics Engineers where students get to build their own robot.

Our goal is to show students how fun STEM can be and to hopefully inspire them to become programmers, engineers or scientists when they grow up. Many students take a difficult science or math class and think, "this is too hard - I can never be an engineer!" Our programs get them involved and exposed to what real engineers and programmers do with a hope that this exposure will help prepare them for the future. We are excited to be partnering again with the TEF to bring these fun and exciting STEM programs to the students of Tewksbury. We love the students at OTS and TES – they are so respectful and learn so fast. They have tons of energy and make us laugh. Its been a wonderful experience for all involved!

Please follow Code the Future on our continued journey on our [website](#), [Facebook](#), and [Instagram](#).

Be on the lookout for our next Tewksburian Spotlight!

Coming Soon . . .the next edition of the Tewksbury Education Foundation Newsletter will hit your inbox in March.

**Liberty Science Center
3 Day Dissection**
7th grade
February 20-22nd

[Learn More](#)

Looking Ahead:

**Holocaust Program
"Survivors Speak"**
5th - 8th grade
OTS
April 3rd

[Learn More](#)

News from Our Neighbors

Cupcake Decorating
Tuesday, February 12th
3:30 - 4:30
TES (grades K-5)
Sponsored by the PTA

Casino Night
Friday, May 17th
Fiddler's Elbow
Hosted by the Woman's
Club of Tewksbury Twp

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website? Check us out
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Facebook and Instagram.**



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