Your Support Brings the STEM Fields to Life for a New Generation
Together, we’re inspiring students and improving the future of our community

Funds Distributed since 2014
Over $1.3M

2016 Beneficiaries
Fab Lab Tulsa and Tulsa Regional STEM Alliance (TRSA)

2016 Distribution Amount
$501,000

2016 Flight Night Attendance
765

2016 PROGRAM OUTREACH
Students Reached
Over 113,000
STEM Programming Hours
84,093
STEM Educator Training Hours
7,757
STEM Mentorship Hours
15,558

In 10 years, 54% of current OK STEM jobs will be vacant due to retirement. Your support prepares our students to fill them.

2016 Flight Night funding reached 113,000+ STUDENTS

Only 1 in 4 fourth graders from low-income backgrounds are proficient in math and 1 in 6 are proficient in science.

“Attending Tech Trek actually changed my opinion of a STEM job. Now, I am interested in looking into a STEM field, and very glad I had this opportunity to gather more information to help me create a path for my life.”

- Actual student attendee

Thank you for supporting STEM education in our community.

Presented First-Class Mail
US Postage
PAID
Tulsa OK
Permit No 702

ANNUAL NEWSLETTER
ISSUE 03

Board of Directors
Bailey J. Siegfried
Bill Brown
Brandon Thompson
Lindsey Holmworth
Meredith Siegfried Macklin
Milannie Siegfried Williams
J. Tom Siegfried
Raegan H. Siegfried
T. Hastings Siegfried
Wes Mitchell

Tulsa Flight Night President
Mandy Lasnivuk

For More Information
Tulsa Charity Flight Night
P.O. Box 21228, Dept. 10
Tulsa, OK 74121
(918) 401-5756
info@TulsaFlightNight.org

Facebook.com/TulsaFlightNight
@FlightNightUSA
#PoweredbyFlightNight

Thank you for supporting STEM education in our community.

SAVE THE DATE FOR FLIGHT NIGHT 2018
THURSDAY, SEPTEMBER 13

Thanks to our enthusiastic patrons, Flight Night 2017 was SOLD OUT! Make plans now to attend the fifth annual Flight Night, featuring an outdoor reception with live aerial entertainment, followed by dinner, a live auction and award presentations. With your support, we’ll continue to inspire, educate and empower today’s students and tomorrow’s tech-savvy workforce.

Sponsorship Information: TulsaFlightNight.org

In 10 years, 54% of current OK STEM jobs will be vacant due to retirement. Your support prepares our students to fill them.

2016 Flight Night funding reached 113,000+ STUDENTS

Only 1 in 4 fourth graders from low-income backgrounds are proficient in math and 1 in 6 are proficient in science.

“Attending Tech Trek actually changed my opinion of a STEM job. Now, I am interested in looking into a STEM field, and very glad I had this opportunity to gather more information to help me create a path for my life.”

- Actual student attendee

Thank you for supporting STEM education in our community.

Presented First-Class Mail
US Postage
PAID
Tulsa OK
Permit No 702

ANNUAL NEWSLETTER
ISSUE 03

Board of Directors
Bailey J. Siegfried
Bill Brown
Brandon Thompson
Lindsey Holmworth
Meredith Siegfried Macklin
Milannie Siegfried Williams
J. Tom Siegfried
Raegan H. Siegfried
T. Hastings Siegfried
Wes Mitchell

Tulsa Flight Night President
Mandy Lasnivuk

For More Information
Tulsa Charity Flight Night
P.O. Box 21228, Dept. 10
Tulsa, OK 74121
(918) 401-5756
info@TulsaFlightNight.org

Facebook.com/TulsaFlightNight
@FlightNightUSA
#PoweredbyFlightNight

Thank you for supporting STEM education in our community.

SAVE THE DATE FOR FLIGHT NIGHT 2018
THURSDAY, SEPTEMBER 13

Thanks to our enthusiastic patrons, Flight Night 2017 was SOLD OUT! Make plans now to attend the fifth annual Flight Night, featuring an outdoor reception with live aerial entertainment, followed by dinner, a live auction and award presentations. With your support, we’ll continue to inspire, educate and empower today’s students and tomorrow’s tech-savvy workforce.

Sponsorship Information: TulsaFlightNight.org

In 10 years, 54% of current OK STEM jobs will be vacant due to retirement. Your support prepares our students to fill them.

2016 Flight Night funding reached 113,000+ STUDENTS

Only 1 in 4 fourth graders from low-income backgrounds are proficient in math and 1 in 6 are proficient in science.

“Attending Tech Trek actually changed my opinion of a STEM job. Now, I am interested in looking into a STEM field, and very glad I had this opportunity to gather more information to help me create a path for my life.”

- Actual student attendee

Thank you for supporting STEM education in our community.

Presented First-Class Mail
US Postage
PAID
Tulsa OK
Permit No 702

ANNUAL NEWSLETTER
ISSUE 03

Board of Directors
Bailey J. Siegfried
Bill Brown
Brandon Thompson
Lindsey Holmworth
Meredith Siegfried Macklin
Milannie Siegfried Williams
J. Tom Siegfried
Raegan H. Siegfried
T. Hastings Siegfried
Wes Mitchell

Tulsa Flight Night President
Mandy Lasnivuk

For More Information
Tulsa Charity Flight Night
P.O. Box 21228, Dept. 10
Tulsa, OK 74121
(918) 401-5756
info@TulsaFlightNight.org

Facebook.com/TulsaFlightNight
@FlightNightUSA
#PoweredbyFlightNight

Thank you for supporting STEM education in our community.

SAVE THE DATE FOR FLIGHT NIGHT 2018
THURSDAY, SEPTEMBER 13

Thanks to our enthusiastic patrons, Flight Night 2017 was SOLD OUT! Make plans now to attend the fifth annual Flight Night, featuring an outdoor reception with live aerial entertainment, followed by dinner, a live auction and award presentations. With your support, we’ll continue to inspire, educate and empower today’s students and tomorrow’s tech-savvy workforce.

Sponsorship Information: TulsaFlightNight.org

In 10 years, 54% of current OK STEM jobs will be vacant due to retirement. Your support prepares our students to fill them.

2016 Flight Night funding reached 113,000+ STUDENTS

Only 1 in 4 fourth graders from low-income backgrounds are proficient in math and 1 in 6 are proficient in science.

“Attending Tech Trek actually changed my opinion of a STEM job. Now, I am interested in looking into a STEM field, and very glad I had this opportunity to gather more information to help me create a path for my life.”

- Actual student attendee

Thank you for supporting STEM education in our community.
OUR FOCUS AND OUTCOMES

Prepping Oklahoma students to succeed in math

Participants whose interest in math and science increased as a result of programs by Flight Night beneficiary Fab Lab Tulsa, 83%

Tulsa third-grade math students who went from below grade and peer levels to an average of three points above non-participants through the Me and My Math Mentor program: 100%

*An exceptional outcome, as it’s difficult for students who’ve fallen behind in their professions to catch up to their peers, never mind exceeding them.

Inspiring girls and other underrepresented minorities to pursue STEM careers

Flight Night Woman in STEM event attendees who now believe learning about STEM is important and plan to attend college: 98% and 99%, respectively

Eighth-grade girls who attended a week-long, computer science camp and then instruct students in the training and camp, students and teachers received hands-on training with Code.org and Scratch. The teachers are trained in basic computer science concepts, and then instruct students in the afternoon. The girl’s interest in technology career increased from 59 percent before the camp to 91 percent afterward.

Investing in educators as STEM leaders

Professional development hours powered by Flight Night in 2016: 7,757

Investment in STEM professional development and Science of Flight classroom grants last year: $45,000

2017 PROGRAM HIGHLIGHTS

FOR EDUCATORS: SCHOLARSHIPS, GRANTS AND ‘STEM INNOVATOR’ AWARDS

A portion of Flight Night funds are budgeted for professional-development scholarships, ‘Science of Flight’ and other STEM-based classroom grants for Oklahoma teachers, including ‘STEM Innovator’ cash awards for outstanding leadership and excellence in STEM.

FLIGHT NIGHT MOBILE FAB LAB

Support includes ongoing operation of the unique mobile fab lab, featuring multiple experiential learning labs, digital fabrication tools, such as 3D printers, laser cutters and a three-axis milling mill. In 2016, the Flight Night Mobile Fab Lab brought inspiration to 282 classes and interacted with nearly 5,000 students and teachers. 83 percent of students agreed that their interest in math and science increased as a result of a Fab Lab Tulsa program.

GIRLS CODING CAMP

During this professional-development training and camp, students and teachers received hands-on training with Code.org and Scratch. The teachers are trained in basic computer science concepts, and then instruct students in the afternoon. The girl’s interest in technology career increased from 59 percent before the camp to 91 percent afterward.

FLIGHT NIGHT Drone COMPETITION EXPANDS TO ELEMENTARY

New this year, the drone competition that prepares middle- and high-school students to become problem solvers expands to also include elementary schoolers. Hundreds of these kids will design, build, and maneuver flying robots through cleverly designed obstacle courses at the November competition. Another uplifting aspect of the program: More than 70 educators will have participated in related professional development by the end of 2017.

FLIGHT NIGHT SPACE WEEK

Space Week 2017 included fun and educational events for 12,000 students from Owasso, Broken Arrow, Union, Sapulpa, Tulsa Public Schools and Jenks. Activities included The Space Foundation’s Audience with an Astronaut – featuring real NASA astronauts Col. Paul S. Lockhart and Lt. Col. Duane G. ‘Dogger’ Carey; a special screening of Hidden Figures, a community night at Tulsa Air & Space Museum, STEM-related kids’ activities, a downlink with the International Space Station and related continuing education for teachers. In 2018, Space Week is set to engage middle-schoolers, as well.

EXPANDED PROGRAMS:

OKLAHOMA KITE FESTIVAL

This former citywide kite festival became a statewide effort in 2017. Spanning 11 Oklahoma counties, 72 schools and 16,000 kits, OK Kite Fest is a high-flying adventure across the state, which included curriculum, supplies and lots of fun designing, problem solving and flying.

THANK YOU TO OUR 2016 SPONSORS

TRSA STUDENT REACH

$50,000 - $10,000

Charter and Lynn Schusterman Foundation

Nordam

R.A. & Mrs. R.C. Chapman

Chesapeake Trust

OMED

George Kaiser Family Foundation

Lochton Running Benefits

Rave Sports Resort

Spin Aeronautics

$10,000 - $4,999

Arthur J. Gallagher & Co.

Ametek

Anonymous

APB Services

Flaming Building Co.

Gary Gould/Financial Solutions, Inc.

and Steven W. McGlothlin

In Search of the St. PT Plant Services

Lobbeck Taylor Family Foundation

Marco Service Company

OnAir International

ONE Gas

QuizTrip

Triple Crown Energy

Tufts Biotechnology, Inc.

Vanessa & Scott Thompson

Kelly & Rick Williamson

$7,500

Advanced Plastics & Advanced Machining & Fabricating, Inc.

Aeron Grumman, LLC

Blue Cross/Blue Shield of Oklahoma

Dennis Gibson & Stibbs, LLP

Hall Hall

Hendil

MSC Industrial Supply Co.

Oklahoma State University

University of Tulsa

College of Engineering, Architecture & Technology

Pryor Airlines

T.D. Williamson, Inc.

The Mayo Hotel

Tulsa Connect

University of Oklahoma Gallogly

Oklahoma Medical Research Center

World Health

$5,000

American Waste Control

Anonymous

In honor of the

Schnitt Family

Associated Industries

Aviation Technology Associates

B&B Companies

Bank of Oklahoma

Bill & Howard Benjamin/OSU

Tulsa

Browning

Care & Associates

Wax and Tremain Caudill

Chase

Children’s National Health System

Commerce Bank

Cox Communications

Fiberpad, Inc.

Hallmark & Payne, Inc.

Hewett Parker

Imperial

John Swayne Zilk Foundation

Lee Supply Company

LMA Aerospace

Maxim Family

Antenna Research Chemicals

Eilat Nathan/McLaughlin Group

Evelyn Nienhuis

Hewlett Packard

Hewlett Packard

John and Denise Redmond

Rich & Cartmill, Inc.

Lindey Smith, DDS

St. John Health System

Sternett & Associates

The Parsons Group

The Walton Family Foundation

ToughWorks

Tulsa Plastics

Williams

NEW IN 2017:

FLIGHT NIGHT ROCKETS TO SPACE!

Area schools become their own combo scientific-research and mission-command centers with students designing and launching experiments into microgravity to test the theory of transforming jobs into opportunities. Offering both curriculum and associated professional development, you’ll want to follow us at PoweredbyFlightnight for updates on this fun, curiosity-sparking endeavor.

OKLAHOMA KITE FESTIVAL

This former citywide kite festival became a statewide effort in 2017. Spanning 11 Oklahoma counties, 72 schools and 16,000 kits, OK Kite Fest is a high-flying adventure across the state, which included curriculum, supplies and lots of fun designing, problem solving and flying.

FLIGHT NIGHT DRONE COMPETITION EXPANDS TO ELEMENTARY

New this year, the drone competition that prepares middle- and high-school students to become problem solvers expands to also include elementary schoolers. Hundreds of these kids will design, build, and maneuver flying robots through cleverly designed obstacle courses at the November competition. Another uplifting aspect of the program: More than 70 educators will have participated in related professional development by the end of 2017.

FLIGHT NIGHT SPACE WEEK

Space Week 2017 included fun and educational events for 12,000 students from Owasso, Broken Arrow, Union, Sapulpa, Tulsa Public Schools and Jenks. Activities included The Space Foundation’s Audience with an Astronaut – featuring real NASA astronauts Col. Paul S. Lockhart and Lt. Col. Duane G. ‘Dogger’ Carey; a special screening of Hidden Figures, a community night at Tulsa Air & Space Museum, STEM-related kids’ activities, a downlink with the International Space Station and related continuing education for teachers. In 2018, Space Week is set to engage middle-schoolers, as well.

EXPANDED PROGRAMS:

OKLAHOMA KITE FESTIVAL

This former citywide kite festival became a statewide effort in 2017. Spanning 11 Oklahoma counties, 72 schools and 16,000 kits, OK Kite Fest is a high-flying adventure across the state, which included curriculum, supplies and lots of fun designing, problem solving and flying.

FLIGHT NIGHT DRONE COMPETITION EXPANDS TO ELEMENTARY

New this year, the drone competition that prepares middle- and high-school students to become problem solvers expands to also include elementary schoolers. Hundreds of these kids will design, build, and maneuver flying robots through cleverly designed obstacle courses at the November competition. Another uplifting aspect of the program: More than 70 educators will have participated in related professional development by the end of 2017.

FLIGHT NIGHT SPACE WEEK

Space Week 2017 included fun and educational events for 12,000 students from Owasso, Broken Arrow, Union, Sapulpa, Tulsa Public Schools and Jenks. Activities included The Space Foundation’s Audience with an Astronaut – featuring real NASA astronauts Col. Paul S. Lockhart and Lt. Col. Duane G. ‘Dogger’ Carey; a special screening of Hidden Figures, a community night at Tulsa Air & Space Museum, STEM-related kids’ activities, a downlink with the International Space Station and related continuing education for teachers. In 2018, Space Week is set to engage middle-schoolers, as well.

EXPANDED PROGRAMS:

OKLAHOMA KITE FESTIVAL

This former citywide kite festival became a statewide effort in 2017. Spanning 11 Oklahoma counties, 72 schools and 16,000 kits, OK Kite Fest is a high-flying adventure across the state, which included curriculum, supplies and lots of fun designing, problem solving and flying.

FLIGHT NIGHT DRONE COMPETITION EXPANDS TO ELEMENTARY

New this year, the drone competition that prepares middle- and high-school students to become problem solvers expands to also include elementary schoolers. Hundreds of these kids will design, build, and maneuver flying robots through cleverly designed obstacle courses at the November competition. Another uplifting aspect of the program: More than 70 educators will have participated in related professional development by the end of 2017.

FLIGHT NIGHT SPACE WEEK

Space Week 2017 included fun and educational events for 12,000 students from Owasso, Broken Arrow, Union, Sapulpa, Tulsa Public Schools and Jenks. Activities included The Space Foundation’s Audience with an Astronaut – featuring real NASA astronauts Col. Paul S. Lockhart and Lt. Col. Duane G. ‘Dogger’ Carey; a special screening of Hidden Figures, a community night at Tulsa Air & Space Museum, STEM-related kids’ activities, a downlink with the International Space Station and related continuing education for teachers. In 2018, Space Week is set to engage middle-schoolers, as well.

EXPANDED PROGRAMS:

OKLAHOMA KITE FESTIVAL

This former citywide kite festival became a statewide effort in 2017. Spanning 11 Oklahoma counties, 72 schools and 16,000 kits, OK Kite Fest is a high-flying adventure across the state, which included curriculum, supplies and lots of fun designing, problem solving and flying.

FLIGHT NIGHT DRONE COMPETITION EXPANDS TO ELEMENTARY

New this year, the drone competition that prepares middle- and high-school students to become problem solvers expands to also include elementary schoolers. Hundreds of these kids will design, build, and maneuver flying robots through cleverly designed obstacle courses at the November competition. Another uplifting aspect of the program: More than 70 educators will have participated in related professional development by the end of 2017.

FLIGHT NIGHT SPACE WEEK

Space Week 2017 included fun and educational events for 12,000 students from Owasso, Broken Arrow, Union, Sapulpa, Tulsa Public Schools and Jenks. Activities included The Space Foundation’s Audience with an Astronaut – featuring real NASA astronauts Col. Paul S. Lockhart and Lt. Col. Duane G. ‘Dogger’ Carey; a special screening of Hidden Figures, a community night at Tulsa Air & Space Museum, STEM-related kids’ activities, a downlink with the International Space Station and related continuing education for teachers. In 2018, Space Week is set to engage middle-schoolers, as well.
Preparing Oklahoma students to succeed in math
Participants whose interest in math and science increased as a result of programs by Flight Night beneficiary Fab Lab Tulsa reached an estimated 139,000 area students by the end of 2018. Tulsa third-grade math students who went from below grade and peer levels to an average of three points above non-participants through the Me and My Math Mentor program* 100%.

*An exceptional outcome, as it’s difficult for students who’ve fallen behind in their professions to catch up to their peers, never mind exceeding them.

Building STEM career awareness among area students
Students who gained a sense of self-confidence as a result of Fab Lab Tulsa programs: 93%
STEM event participants planning to pursue high school and attend college: 90%
STEM Exploratorium attendees who learned something new and now understand STEM better: 87% and 90%, respectively.

Inspiring girls and other underrepresented minorities to pursue STEM careers
Flight Night Woman in STEM event attendees who now believe learning about STEM is important and plan to attend college: 96% and 99%, respectively.

Eighth-grade girls who attended a week-long, fun, curiosity-sparking endeavor.
Area schools become their own combo scientific-research and mission-command centers with students designing, building, and maneuver flying robots through cleverly designed obstacle courses at the November competition.

Investing in educators as STEM leaders
Professional development hours powered by Flight Night in 2016: 7,757
7,757 participants whose interest in math and science increased as a result of Fab Lab Tulsa programs
Flight Night-funded programs impact students statistically underrepresented in STEM fields by gender, race and socio-economic status.

2017 PROGRAM HIGHLIGHTS

FOR EDUCATORS: SCHOLARSHIPS, GRANTS AND "STEM INNOVATOR" AWARDS
A portion of Flight Night funds are budgeted for professional development scholarships, “Science of Flight” and other STEM-based classroom grants for Oklahoma teachers, including “STEM Innovator” cash awards for outstanding leadership and excellence in STEM.

FLIGHT NIGHT MOBILE FAB LAB
Support includes ongoing operation of the unique mobile Fab lab, featuring multiple experiential learning labs, digital fabrication tools, such as 3D printers, laser cutters and a three-axis milling mill. In 2016, the Flight Night Mobile Fab Lab brought inspiration to 282 classes and interacted with nearly 5,000 students and teachers.

83 percent of students agreed their interest in math and science increased as a result of a Fab Lab Tulsa programs.

FLIGHT NIGHT DRONE COMPEITITION EXPANDS TO ELEMENTARY
New this year, the drone competition that prepares middle- and high-school students to become problem solvers expands to also include elementary schoolers. Hundreds of these kids will design, build, and maneuver flying robots through cleverly designed obstacle courses at the November competition.

FLIGHT NIGHT SPACE WEEK
Space Week 2017 included fun and educational events for 12,000 students from Owasso, Broken Arrow, Union, Sapulpa, Tulsa Public Schools and Jenks. Activities included the Space Foundation’s Audience with an Astronaut – featuring real NASA astronauts Col. Paul S. Lockhart and Lt. Col. Duane G. ‘Digger’ Carey, a special screening of Hidden Figures, a community night at Tulsa Air & Space Museum, STEM-related kids’ activities, a downlink with the International Space Station and related continuing education for teachers. In 2018, Space Week is set to engage middle-schoolers, as well.

NEW IN 2017:
FLIGHT NIGHT ROCKETS TO SPACE!
Area schools become their own combo scientific-research and mission-command centers with students designing, building, and launching experiments into microgravity to further explore the theory of transforming change. Offering both curriculum and associated professional development, you’ll want to follow us at @FlightNightFlighight for updates on this fun, curiosity-sparking endeavor.

THANK YOU TO OUR 2016 SPONSORS
Your Support Brings the STEM Fields to Life for a New Generation

Together, we’re inspiring students and improving the future of our community

2016 RESULTS
Funds Distributed since 2014
Over $1.3M

2016 Beneficiaries
Fab Lab Tulsa and Tulsa Regional STEM Alliance (TRSA)

2016 Distribution Amount
$501,000

2016 Flight Night Attendance
765

2016 PROGRAM OUTREACH
Students Reached
Over 113,000

STEM Programming Hours
84,093

STEM Educator Training Hours
7,757

STEM Mentorship Hours
15,558

In 10 years, 54% of current OK STEM jobs will be vacant due to retirement. Your support prepares our students to fill them.

Only 1 in 4 fourth graders from low-income backgrounds are proficient in math and 1 in 6 are proficient in science.

“Attending Tech Trek actually changed my opinion of a STEM job. Now, I am interested in looking into a STEM field, and very glad I had this opportunity to gather more information to help me create a path for my life.”

– Actual student attendee

Thank you for supporting STEM education in our community.

SAVE THE DATE FOR FLIGHT NIGHT 2018
THURSDAY, SEPTEMBER 13

Thanks to our enthusiastic patrons, Flight Night 2017 was SOLD OUT! Make plans now to attend the fifth annual Flight Night, featuring an outdoor reception with live aerial entertainment, followed by dinner, a live auction and award presentations. With your support, we’ll continue to inspire, educate and empower today’s students and tomorrow’s tech-savvy workforce.

Sponsorship Information: TulsaFlightNight.org

Thank you for supporting STEM education in our community.