

Tippecanoe STEM Education, Inc.

(FKA Tippecanoe STEAM Boosters, Inc.)

President – Jacqueline Wahl	1470 W. Main Street
Vice Pres. – Mackenzie E. English	Tipp City, OH 45371
Secretary – Georgia Bayman Treasurer – Martin E. English, D.V.M.	(937) 667-3217 Phone
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Web: www.tippecanoesteamboosters.com	Tax No. 20-5604996

2016-2017 Annual Report & Call To The Annual Meeting

The Annual Membership Meeting of Tippecanoe STEM Education, Inc. (formerly known as Tippecanoe STEAM Boosters, Inc.) will take place on: **September 20, 2017, beginning at 7:00 p.m. at the Board of Education Office, 90 S. Tippecanoe Dr., Tipp City, Ohio**, for the purposes of Election of Directors, review of the past year and the provision of a brief update of upcoming activities. The meeting of the membership will be immediately preceded by a Board of Directors Meeting, beginning at 6:30 p.m. at the same location for the purposes of reviewing and approving new applications for membership, the election of officers, consideration of grant requests, and to make committee appointments. All new membership applications should be submitted to this office by Sept. 15, 2017. **Please consider renewing your membership commitment now by submitting membership dues.** Membership/dues forms attached. Meeting agendas will be sent out in September.

2016-2017 Membership

Active

Bayman, Georgia	Bonifas, Dale	Bruening, Coleen	Crow, Brad & Robyn
Dunaway, Teresa & David	English, Mackenzie	English, Martin	Gingrich, Galen
Kumpf, Gretta	McGarry, Jim	Rowland, Carolyn	Vath, Brad
Verhoff, Steven	Vyas, Asha	Wahl, Jackie	Wahl, Katrina
Werts, Dave			

Associate

Allen, Kathy	Archer, Bob	Campbell, Steve	Chaney Family
English, Jennifer	McMurry, Angela	Shepherd, David	Schinaman, Rebecca
Skolnicki, John			

Affiliate

Abbott Nutrition	Adare Pharmaceuticals	Alvetro Orthodontics	Cargill, Inc.
Emerson Climate Technologies	English Veterinary Services		Hickory River Smokehouse
J&L Wood Products	Premier Health	Royal Crest Insurance	Tipp City Rotary
Tipp City Vet Hospital	Tipp City Area Foundations	Tipp Monroe Optimists	
Tippecanoe Masonic Lodge 174		Unity National Bank	UTC-UTAS, Inc.

2016-2017 Board of Directors

	Term Expires
President	Jackie Wahl 2017
Vice President	Mackenzie English 2018
Board Members	Galen Gingrich 2019
	Cassandra Schoch 2019
	Steve Verhoff 2019
	Carolyn Rowland 2018
	David Werts 2018
	Robyn Crow 2017
	Asha Vyas 2017

Appointed:	Secretary – Georgia Bayman	Treasurer - Martin E. English, D.V.M.
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Tippecanoe STEM Education, Inc.

August 1, 2017

Greetings,

The Annual Report is our best opportunity to keep the members and the community updated on Tippecanoe STEM Education activities and events. The most obvious difference this year is of course the organization's name change. When the idea for Tippecanoe STEAM Boosters was first conceived of and incorporated in 2006 there was no uniform acronym for recognizing science, technology, engineering and mathematics as a combined program or concept. Our use of "STEAM" seemed logical and the "A" only stood for "and". "STEM" is now used universally and recently a few schools have started using "STEAM", including the "Arts" in their programs. In addition, many State and Federal programs and grants are specific for "STEM" requests. After 10 years and the evolution of "STEM" into mainstream recognition, the Board of Directors agreed to change the organizations name to "Tippecanoe STEM Education, Inc.". Both the State of Ohio and the Internal Revenue Service accepted the name change early in 2017.

Funding of grant requests for STEM education in Tipp Schools continues to be supported by Tippecanoe STEM member businesses, organizations, and individuals, providing a total of over **\$6,400** in the past 12 months to fund field trips, lab equipment and supplies, classroom technology, and programs like Science Fair and Math Counts. Community support came from organizations like Tipp City Rotary, Tipp Monroe Optimists, Tippecanoe Masonic Lodge No. 174, and many individuals. Major corporate sponsors included Emerson Climate Technologies, UTC Goodrich Corporation, Abbott Nutrition, J&L Wood Products, Hickory River Smokehouse, Premier Health, Cargill, Adare Pharmaceuticals, and Tipp City Veterinary Hospital.

We are excited to report that the 2nd Upper Miami Valley District Science Day (OAS District 1), hosted by Edison Community College in Piqua, OH was a complete success, with an increase in the number of projects and students of almost 40%. Results for all Upper Miami Valley Science Days and the new District Science Day may be found at: www.ohioumvsd.com.

This was the fourth year for the John A. Smith Memorial Award for Engineering/Material Science. At the 2017 Miami County Science Day, the \$50 award was issued to Ms. Leena Vyas, Tippecanoe H.S. Donations to the John A. Smith Memorial Fund can still be made to support this award which will be continued each year.

A new STEM Education program is being developed at Tippecanoe High School. Math teacher Annette Malott will be teaching a new Introduction to Engineering & Robotics course. The initial interest by students has been overwhelming. Follow up course will likely be developed for these students. Tippecanoe STEM Education and Emerson Climate Technologies is providing support for this important program. Hopefully other engineering based companies in the Tipp City area will also take interest in supporting this course.

We're planning our next board meeting for August 30th at 6:30 p.m. at the Board of Education building. Our annual membership meeting will be Wednesday, September 20th at 7:00 p.m. Details can be found on page one of the Annual Report. Please join us.

Tippecanoe STEM Education, Inc.

Treasurer's Report

Checking

Starting Balance on August 01, 2016	\$3275.55
Income 08/01/16 – 07/31/17 (Cash or Check)	\$6440.00
Disbursements 08/01/16 – 07/31/17 (checking)	<u>-\$6321.35</u>
Balance on July 31, 2017	\$3394.20

Income

Dues	\$450.00
General (undesignated) Cash Donations	\$340.00
John A Smith Memorial Fund	\$000.00
Designated Cash Donations:	\$5650.00
Equipment/tech., Math Counts, field trips	
Total Cash Income	<u>\$6440.00</u>

“In-Kind” Income (“In-kind” donations designated for grants, administration, supplies): \$000.00

Total Dues & Donations 8/01/16 – 07/31/17 (Cash & In-kind) \$6440.00

Expenses

Administrative / Organizational: OAS Dues, Bank (new checks)	\$53.28
Scholarship	\$000.00
John A Smith Memorial Awards	\$50.00
UMVSD	\$250.00
Grants (checks only / does not include in-kind donations): (06-16, 07-16, 08-16, 09-16, 10-16, 11-16, 12-16, 01-17, 02-17)	\$5968.07
Total Checking Acct. Expenses	<u>\$6321.35</u>

“In-Kind” Expenses (“In-kind” donations used for grants, administration, supplies): \$000.00

Total Expenses 8/01/16 – 07/31/17 (cash & in-kind) \$6321.35

Liabilities (on July 31, 2017)

Grants Awarded but not yet Disbursed	\$0.00
Scholarship (2016 & 2017) Not yet disbursed	<u>\$1000.00</u>
Total Liabilities	\$1000.00

Assets (on July 31, 2017)

Balance in checking on July 31, 2017	<u>\$3394.20</u>
Total Assets	\$3394.20

Net Worth (on July 31, 2017) \$2394.20

Designated funds held: John A Smith Memorial Fund \$450.
Emerson TMS Math/STEM Grant \$1824.

Resulting available balance for general purposes after subtracting these items: \$120.20

Tippecanoe STEM Education, Inc.

Grants Awarded and Disbursed Between August 01, 2016 and July 31, 2017

<u>No.</u>	<u>Applicant</u>	<u>(Amounts Rounded)</u>
06-16	TMS STEM – Bonifas Description: 3D Printer for new STEM lab Designated Emerson funds from 2016 used for this request.	\$2100.00
07-16	UMV STEM Education, Inc. (Science Days) Description: from UTC-Goodrich donation	\$500.00
08-16	THS Math & Engineering - Malott Description: Two large whiteboards for robotics.	\$216.00
09-16	TMS Math Dept. – Bonifas Description: Math Counts registration fees	\$190.00
10-16	Broadway – Hampton & O’Brien Description: Magnetic Building Tiles	\$115.00
11-16	UMV STEM Education, Inc. (Science Days) Description: Name badges for UMSVD events. Funded by designated grant from Tipp Foundation	\$400.00
12-16	THS Science/IT – J. Nichol Description: Edison We Are IT transportation costs	\$141.00
01-17	TMS – Cassie Schoch Description: Math Magic field trip. 52 students – transportation cost	\$151.00
02-17	TMS STEM – Earl Description: Science lab equipment and storage racks Designated Emerson funds from 2017 used for this request.	\$2176.00

Tippecanoe STEM Education, Inc.

Committee Reports:

Science Days: The results from the 2017 Miami County Science Day, 2017 Upper Miami Valley District Science Day and the 2017 State Science Day are all available on the Upper Miami Valley Science Days website at: www.ohioumvsd.com The UMVSD website will be updated for the 2017-2018 Science Day season after September 1st. In the mean time, please check out all the 2017 Event & Awards Sponsors listed on the website and consider how you might participate in the coming year, as a sponsor, judge and/or event volunteer at any of the six events.

2017 STEM Scholarship Recipient

Tippecanoe STEM Education, Inc. is pleased to announce the recipient of the STEM scholarship awarded this year for a student who has excelled in STEM (Science, Technology, Engineering, and Math) areas in high school, both in and out of the classroom. Consideration for this scholarship was based on academic achievement, participation in STEM-related activities, and a continued interest in STEM fields beyond high school. Recipient of the \$500 Scholarship was Zach Dix, who will study mechanical engineering at The Ohio State University.

2017 STEM Scholars

STEM Scholar Certificates are awarded to Graduating Seniors and current Juniors of Tippecanoe High School for outstanding academic achievement in science, technology, engineering, and mathematics, and the demonstration of a commitment to the pursuit of higher education and career opportunities in a STEM field. Eligibility requirements include successful completion of upper level math and science courses, participation in STEM related extra-curricular activities and events, and completion of an approved STEM related career experience.

Senior STEM Scholars and their field of interest and college were:

Zach Dix	Mechanical Engineering @ The Ohio State University
Victoria Livesay	Nursing @ Lee University
Maya Vyas	Computer Science @ University of Southern California
Nathan Woo	Mechanical Engineering @ Oklahoma University
Keenan Fraylick	Aeronautical Engineering @ Purdue University

Juniors (Class of 2018) receiving STEM Certificates

Abigail Walker
Alissa Buynak
Gretchen Riggle

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MISSION STATEMENT

Tippecanoe STEM Education, Inc. comprises members of the Tipp City / Monroe Township community and schools with a strong interest and background in science, technology, engineering and mathematics (STEM), who work together to create a strong interest and improved ability in those same areas by the students of the Tipp City School District, by improving the delivery of STEM concepts, improving the students' attitude and perception of these areas through contacts with successful adults with STEM backgrounds and careers. Success will be measured by the number of students annually entering STEM related college majors and careers.

VISION

To generate excitement for science, technology, engineering and mathematics among Tipp City School District students and to facilitate careers in these fields.

STRATEGIC PLAN

- A. Identify existing programs or create new ones that will aide or enhance the learning experience of students in the Tipp City School District in STEM related areas of study.
- B. Identify equipment and learning materials that will aide or enhance the learning experience of students in the Tipp City School District in STEM related areas of study.
- C. Prioritize and determine cost estimates for the needs listed in A & B above, identify potential funding sources, match needs listed in A & B above to those funding sources, implement ways and means to secure those funds, and disburse successfully acquired funds as needed for each identified item.
- D. Identify areas for volunteerism that will aide or enhance the learning experience of students in the Tipp City School District in STEM related areas of study.
- E. Identify and implement ways to create a positive and enriched academic environment where students interested in the STEM fields are respected, admired and recognized as a source of school pride.

Tippecanoe STEM Education, Inc.

ACTIVE MEMBERSHIP

An Active Member of the Tippecanoe STEM Education, Inc. shall be anyone with an interest in promoting science, technology, engineering and mathematics education. All applications shall be voted on by the Board of Directors and a majority vote of the Board of Directors shall be necessary to approve Active Membership. Each Active Member shall be entitled to vote at the Annual Members Meeting for the election of Directors to the Board. Only Active Members are eligible to be nominated for the Board of Directors. Active Members may chair, or serve on committees of the Tippecanoe STEM Education, Inc.

If you are interested in helping Tippecanoe STEM Education, Inc. to reach its goals by taking an active role in developing student programs, promoting community involvement and identifying funding sources, then please consider becoming an Active Member. Annual dues are only \$25.00.

ASSOCIATE MEMBERSHIP

Any individual interested in the promotion and support of the educational experience of Tipp City Exempted Village School District students in the areas of science, technology, engineering and mathematics may apply for Associate Membership. All applications shall be voted on by the Board of Directors and a majority vote of the Board of Directors shall be necessary to approve Associate Membership. Associate Members are non-voting members, but may chair and/or serve on committees of Tippecanoe STEM Education, Inc.

If you are interested in helping Tippecanoe STEM Education, Inc. to reach its goals by volunteering to help with individual STEM related programs or by serving on one or more committees, then please consider becoming an Associate Member. There are no dues required of Associate Members.

AFFILIATE MEMBERSHIP

Any organization, business, or educational institution interested in the promotion and support of the educational experience of Tipp City Exempted Village School District students in the areas of science, technology, engineering and mathematics may apply for Affiliate Membership. All applications shall be voted on by the Board of Directors and a majority vote of the Board of Directors shall be necessary to approve Affiliate Membership.

If you are interested in helping Tippecanoe STEM Education, Inc. to reach its goals by supporting student programs, field trips, speakers, and equipment and learning material purchases, then please consider becoming an Affiliate Member. Several levels of annual sponsorship are available and Affiliate Members may change their level of sponsorship from year to year or increase their level of support at any time during any given year. Donations may be in cash or through donations of tangible goods or services having value to the organization. Affiliate Members will be recognized in news releases and promotional materials unless otherwise indicated by the member.

Tippecanoe STEM Education, Inc.

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Tippecanoe STEM Education, Inc.

1470 W. Main Street, Tipp City, OH 45371 - Phone (937) 667-3217 Fax (937) 669-9507

ACTIVE MEMBERSHIP APPLICATION / RENEWAL (Circle if renewal)

Name _____

Address _____

City _____ State _____ Zip _____

Telephone (Home) _____

E-Mail Address _____

Signature _____ Date _____

Annual Dues: **\$25.00** Cash ____ Check _____ Additional Voluntary Support \$ _____

John A. Smith Memorial Fund \$ _____

Tippecanoe STEM Education, Inc. is a not-for-profit 501(c)3 public charity corporation. Donations are tax deductible to the extent allowed by law.

Please indicate any personal, educational and/or business background in the areas of science, technology, engineering or mathematics. You may attach additional letter or resume if desired. If you are the parent of one or more Tipp City School District student(s), please indicate his/her/their current grade(s) in school.

Science - Technology - Engineering – Mathematics

Tippecanoe STEM Education, Inc.

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ASSOCIATE MEMBERSHIP APPLICATION / RENEWAL (Circle if renewal)

Name _____

Address _____

City _____ State _____ Zip _____

Telephone (Home) _____

E-Mail Address _____

Signature _____ Date _____

Annual Dues \$0.00

Voluntary Support Donation \$ _____

John A. Smith Memorial Fund \$ _____

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Please indicate any personal, educational and/or business background in the areas of science, technology, engineering or mathematics. You may attach additional letter or resume if desired. (A STEM background is not a requirement of Associate membership) If you are the parent of one or more Tipp City School District student(s), please indicate his/her/their current grade(s) in school.

Science - Technology - Engineering - Mathematics

Tippecanoe STEM Education, Inc.

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AFFILIATE MEMBERSHIP APPLICATION / RENEWAL (Circle if renewal)

Name (Business or Organization) _____

Address _____

City _____ State _____ Zip _____

Business Telephone _____

Contact Person _____ Title _____ E-Mail: _____

Signature _____ Date _____

Sponsorship Level (Donation Amount): Please indicate your preference.

<input type="checkbox"/> \$50	<i>Sir Isaac Newton</i>	<input type="checkbox"/> \$1000	<i>Archimedes</i>	<input type="checkbox"/> Cash or Check
<input type="checkbox"/> \$100	<i>Benjamin Franklin</i>	<input type="checkbox"/> \$1500	<i>Galilei Galileo</i>	<input type="checkbox"/> Goods or Services
<input type="checkbox"/> \$250	<i>Marie Curie</i>	<input type="checkbox"/> \$2000	<i>Albert Einstein</i>	(Please provide details)
<input type="checkbox"/> \$500	<i>Nicholas Copernicus</i>	<input type="checkbox"/> \$3000	<i>Thomas Edison</i>	<input type="checkbox"/> Pledge for future
<input type="checkbox"/> \$750	<i>Leonardo Da Vinci</i>	<input type="checkbox"/> \$ _____	Other	date of ___/___/___

Please treat this donation as anonymous

Please add this donation to the General Fund, or

John A. Smith Memorial Fund, or

This donation is designated for: _____ (Ex: TMS STEM)

Tippecanoe STEM Education, Inc. is a not-for-profit 501(c)3 public charity corporation. Donations are tax deductible to the extent allowed by law.

Please indicate if you or any other person(s) with your organization would be interested in volunteering as a mentor, science fair judge, or committee member. If so, please include information about any personal, educational and/or business backgrounds in the areas of science, technology, engineering or mathematics for this person(s). (STEM background not required)

Science - Technology - Engineering - Mathematics