

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
E-mail: steamboosters@swohio.twcbc.com	(937) 669-9507 Fax
Web: www.tippecanoesteamboosters.com	Tax No. 20-5604996

2015-2016 Annual Report & Call To The Annual Meeting

The Annual Membership Meeting of the Tippecanoe STEAM Boosters, Inc. will take place on: **September 21, 2016, 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. 16, 2016. **Please consider renewing your membership commitment now by submitting membership dues.** Membership/dues forms attached. Meeting agendas will be sent out in September.

2015-2016 Membership

Active

Bayman, Georgia	Bonifas, Dale	Crow, Brad & Robyn	Dunaway, Teresa & David
English, Mackenzie	English, Martin	Foreman, James	Gingerich, Galen
Kumpf, Gretta	McGarry, Jim	Rowland, Carolyn	Rowland Samantha
Vath, Brad	Wahl, Jackie	Werts, Dave	

Associate

Allen, Kathy	Archer, Bob	Barnard, Janet	Bruening, Coleen
Campbell, Steve	Chitwood, Doug	Cox, Philip	English, Jennifer
Gootzeit, Brian & Kerry	Hale, Pat	Hartke, Kevin	McMurry, Angela
Shepherd, David	Schinaman, Rebecca	Skolnicki, John	Tesch, Todd
Vagedes, Jessica	Wahl, Katrina	Young, DVM, Kelly	

Affiliate

Abbott Nutrition	Adare Pharmaceuticals	Cargill, Inc.	Energy Optimizers USA
Dayton Society of Natural History	Emerson Climate Technologies		English Veterinary Services
Hickory River Smokehouse	J&L Wood Products	Premier Health	Ramco Electric Motors
Regal Beloit Foundation	Royal Crest Insurance	Tipp City Rotary	Tipp City Vet Hospital
Tipp Computer Doctors	Tipp Eye Center	Tipp Foundation	Tipp Monroe Optimists
Tippecanoe Masonic Lodge 174		Wahl Family Fund	

2015-2016 Board of Directors

	Term Expires
President	Jackie Wahl 2017
Vice President	Mackenzie English 2018
Board Members	Galen Gingrich 2016
	Dale Bonifas 2016
	Belinda Banks 2016
	Carolyn Rowland 2018
	David Werts 2018
	Robyn Crow 2017
	James Foreman, PhD 2017

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

August 1, 2016

Greetings,

The Annual Report is our best opportunity to keep the members and the community updated on Tippecanoe STEAM Boosters activities and events. A number of new members joined us this year, both individuals and businesses. They realize the importance of supporting STEM education in Tipp City.

Funding of grant requests for STEM education in Tipp Schools continues to be supported by STEAM member businesses, organizations, and individuals, providing a total of over **\$10,000** 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, Wahl Family Fund and many individuals. Major corporate sponsors included Emerson Climate Technologies, Ramco Electric Motors, Regal Beloit Foundation, UTC Goodrich Corporation, Abbott Nutrition, Tipp Eye Center, J&L Wood Products, Hickory River Smokehouse, Premier Health, Cargill and Adare Pharmaceuticals, Tipp City Veterinary Hospital.

We are also excited to report that the 1st Upper Miami Valley District Science Day (OAS District 1), hosted by Edison Community College in Piqua, OH was a complete success. Results for all Upper Miami Valley Science Days and the new district may be found at: www.ohioumvsd.com.

This was the third year for the John A. Smith Memorial Award for Material Science. At the 2016 Miami County Science Day, the \$50 award was issued to Ms. Abby Bick, Miami East H.S. An additional John A. Smith Memorial Award in Material Science for \$50 was presented to THS Senior Thomas Chaney at the 1st Upper Miami Valley District Science Day hosted by Edison State Community College. 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 Middle School. The existing TMS STEM Club and STEM class will be joined by a new STEM Design Thinking course taught by Dale Bonifas. All participating TMS students will benefit from a new STEM Lab being developed within an unused area of the building. Tippecanoe STEAM Boosters will be assisting with funding, acquisition of equipment and materials, and finding volunteers as mentors. Area businesses will be engaged as partners in the problem solving/design process.

We're planning our next board meeting for August 31st at 6:30 p.m. at the Board of Education building. Our annual membership meeting will be Wednesday, September 21st at 7:00 p.m. Details can be found on page one of the Annual Report. Please join us.

Tippecanoe STEAM Boosters, Inc.

Treasurer's Report

Checking

Starting Balance on August 01, 2015	\$6659.00
Income 08/01/15 – 07/31/16 (Cash or Check)	\$10769.00
Disbursements 08/01/15 – 07/31/16 (checking)	<u>-\$14152.45</u>
Balance on July 31, 2016	\$3275.55

Income

Dues	\$325.00
General (undesignated) Cash Donations	\$770.00
John A Smith Memorial Fund	\$000.00
Designated Cash Donations:	\$9674.00
Equipment/tech., Math Counts, field trips	
Total Cash Income	<u>\$10769.00</u>

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

Total Dues & Donations 8/01/15 – 07/31/16 (Cash & In-kind) \$10769.00

Expenses

Administrative / Organizational: OAS Dues, Bank (new checks)	\$33.00
Scholarship (2015)	\$500.00
John A Smith Memorial Awards	\$100.00
UMVSD	\$1236.87
Grants (checks only / does not include in-kind donations):	\$12282.58
(3-15, 4-15, 5-15, 6-15, 7-15, 8-15, 9-15, 10-15, 11-15, 12-15, 01-16, 02-16, 03-16, 05-16)	
Total Checking Acct. Expenses	<u>\$14152.45</u>

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

Total Expenses 8/01/15 – 07/31/16 (cash & in-kind) \$14152.45

Liabilities (on July 31, 2016)

Grants Awarded but not yet Disbursed	\$0.00
Scholarship (2016) Not yet disbursed	<u>\$500.00</u>
Total Liabilities	\$500.00

Assets (on July 31, 2016)

Balance in checking on July 31, 2015	<u>\$3275.55</u>
Total Assets	\$3275.55

Net Worth (on July 31, 2016) **\$2775.55**

Designated funds held: John A Smith Memorial Fund \$500.
Emerson TMS Math/STEM Grant \$2109.

Resulting available balance for general purposes after subtracting these items: **\$166.55**

Tippecanoe STEAM Boosters, Inc.

Grants Awarded and Disbursed Between August 01, 2015 and July 31, 2016

<u>No.</u>	<u>Applicant</u>	<u>(Amounts Rounded)</u>
03-15	TMS STEM – Dale Bonifas Description: BMX Program – bike kits	\$500.00
04-15	THS Science Dept. – Mike McCray Description: Chemistry Lab centrifuges \$402 each x 3	\$1206.00
05-15	THS Math Dept. – Annette Mallott Description: Math XL (Intro to Statistics) Student & teacher instructional materials.	\$858.00
06-15	THS Math Dept. – Annette Mallott Description: Robotics software	\$999.00
07-15	THS Math Dept. – Bonifas Description: Math Counts registration fees	\$140.00
08-15	THS Science/IT – J. Nichol Description: Edison We Are IT transportation costs	\$139.58
09-15	LTB Math – M. Lieber Description: Purchase 10 Chromebooks for classroom use.	\$1569.00
10-15	TMS – G. Southers Description: Purchase Chromebooks & charging cart. Added to funds from other sources (Total need = \$8175)	\$2400.00
11-15	TMS STEM – Bonifas Description: Wright Airport field trip- transportation costs	\$150.00
12-15	TMS STEM & TC Public Library – Renee Matsunami Description: LittleBits Kits – electronic building blocks for programs at TMS and public library.	\$280.00
01-16	THS Environmental Area – Snyder Description: Acorn Naturalist teaching aids – casts and models of wildlife tracks, feathers, fur, eggs, etc. – for use in biology and environmental classes.	\$400.00
02-16	THS Math & Engineering - Malott Description: Vex Robotics kit for new engineering course.	\$1000.00
03-16	TMS Math & STEM - Bonifas Description: Expenses associated with attendance at Design Think Workshop	\$750.00
04-16	THS Science Dept. – Barnard Description: State Science Day Registration Fee for THS student	\$60.00
05-16	THS Math & Engineering - Malott Description: Calculus & Statistics Courses – supplemental instructional materials and classroom technology. Engineering - Robotics parts & equipment.	\$1891.00

Tippecanoe STEAM Boosters, Inc.

Committee Reports:

Science Days: The results from the 2016 Miami County Science Day, 2016 Upper Miami Valley District Science Day and the 2016 State Science Day are all available on the Upper Miami Valley Science Days website at: www.ohiouvdsd.com The UMVSD website will be updated for the 2016-2017 Science Day season after September 1st. In the mean time, please check out all the 2016 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.

2016 Science Scholarship Recipient

Tippecanoe STEAM Boosters, Inc. is pleased to announce the recipient of the science 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 Samantha Rowland, who will study engineering at Vanderbilt University.

2016 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.

2016 Senior STEM Scholars were:

Tim Andrews	Biological Sciences Research @ Case Western Reserve
Brittany Bowerman	Medicine @ University of Alabama
Adam Buynak	Engineering @ The Ohio State University
Thomas Chaney	Material Sci. & AeroSpace Research @ Univ. Kentucky
Allison Chitwood	Engineering @ The Ohio State University
Alexandra Davis	Science Education @ Bowling Green State University
Emily Gootzeit	Environmental Engineering @ University of Minnesota
Jesse Hemmelgarn	Biology @ Ohio University
Anna Klepinger	Nursing @ Wright State University
Samantha Rowland	Engineering @ Vanderbilt
Bennet Yunker	Biochemistry @ West Virginia University

2016 Junior STEM Scholars were:

Zach Dix
Nathan Woo
Tori Livesay
Mya Vyas

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MISSION STATEMENT

The Tippecanoe STEAM Boosters comprises members of the Tipp City / Monroe Township community and schools with a strong interest and background in science, technology, engineering and mathematics (STEAM or 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. Data from follow up surveys of these students will be used to measure success and identify areas in need of improvement.

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 STEAM Boosters, Inc.

ACTIVE MEMBERSHIP

An Active Member of the Tippecanoe STEAM Boosters, Inc shall be anyone with an interest in promoting the sciences. 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 and/or serve on committees of the Tippecanoe STEAM Boosters, Inc.

If you are interested in helping the Tippecanoe STEAM Boosters, 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 the Tippecanoe STEAM Boosters.

If you are interested in helping the Tippecanoe STEAM Boosters, 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 the Tippecanoe STEAM Boosters, 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.

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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 STEAM Boosters, 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 - And – Mathematics

Tippecanoe STEAM Boosters, 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 STEAM 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 - And - Mathematics

Tippecanoe STEAM Boosters, Inc.
AFFILIATE MEMBERSHIP INFORMATION

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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 STEAM Boosters, 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). (STEAM background not required)

Science - Technology - Engineering - And – Mathematics