

Tippecanoe STEAM Boosters, Inc.

President – Charles C. Smith, DDS
Vice Pres. – Andrew L. Davidson, OD
Secretary - Martin E. English, DVM
E-mail: steamboosters@verizon.net

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

2006-2007 Annual Report & Call To The Annual Meeting

The Annual Membership Meeting of the Tippecanoe STEAM Boosters, Inc. will take place on :
September 12, 2007, beginning at 7:30 p.m. at the Board of Education Office, 90 S. Tippecanoe Dr., Tipp City, Ohio, for the purposes of reviewing the past year, provision of a brief update of activities, election of new Directors to fill vacant seats, and to discuss new membership recruitment and how to increase student and parent involvement in STEAM programs and activities.

The meeting of the membership will be immediately preceded by a Board of Directors meeting, beginning at 7:00 p.m. at the same location for the purposes of reviewing and approving new applications for membership and to make committee appointments.

All new membership applications should be submitted to the secretary by Friday, September 7, 2007.

Current Membership (08/01/07)

Active

Asbury, William	Bayman, Georgia	Davidson, Andrew	English, Martin
Gustin, Keelie	Kumpf, Gretta	Powder, Charles	Ranft, James
Smith, Charles	Smith, John A.	Southers, Greg	Wahl, Jackie
Wert, Steven	Werts, David	Wray, Charles	

Associate

Allen, Kathy	Archer, Bob	Brown, Allison	English, Jennifer
English, Nancy	Evans, Stan	Foreman, James	Gingerich, Cassie
Griehop, Victoria	Hagen, Christian	Makley, Liz	Morlidge, E.R.
Schinaman, Rebecca	Snyder, Scott	Taylor, Kathy	Tipton, Tim
Vagedes, Chris			

Affiliate

Community Minded Women	Dysinger, Stewart & Stewart, LLC	English Veterinary Services
Favorite Insurance Co.	Fraternal Order of Eagles, Aerie No. 2201	Frisch's, Inc.
Health Park Dentistry	Miami Valley Materials Testing Center	Pioneer Rural Electric Coop.
Tipp City Rotary	Tipp Computer Doctors	Tipp Eye Center, Inc.
Tipp Monroe Community Services	Tipp Monroe Optimists	Tower Office Products
Unity National Bank	VFW Post 4615	WINCO Industries, Inc.
WPAFB Education Outreach Office		

2006-2007 Board of Directors

President	Charles C. Smith, DDS
Vice President	Andrew L. Davidson, OD
Secretary / Treasurer	Martin E. English, DVM
	Gretta Kumpf, PhD
	Charles Powder
	John A. Smith
	Greg Southers
	Col. Steve Wert
	Charles Wray
Student Representative	Keelie Gustin
Ex Officio –TCSD Rep.	John Kronour, PhD

Tippecanoe STEAM Boosters, Inc.

From: Charles C. Smith, DDS
President, Tippecanoe STEAM Boosters, Inc.

August 1, 2007

What a year! When Dr. Martin English first brought the STEAM idea (Science, Technology, Engineering, And Mathematics) to Dr. Andy Davidson and me in the spring of 2006, we quickly agreed that this was an exciting way to support Tipp schools and its students. Dr. English had already demonstrated what was possible through his efforts to promote and enhance the Tipp City Schools 2006 Science Fair. The community supported this new event through donations and by volunteering time as judges, mentors and committee members.

We approached the Tipp City Schools about our ideas and signed a working agreement with the Board of Education in May of 2006. We all agreed that the function of the Tippecanoe STEAM Boosters (TSB) would not be to tell the schools what to do, but that we would work together to find the people and funding to help implement existing and new STEAM-related ideas.

Next, with legal assistance from Brian Stewart, we incorporated as a 501(c)3 non-profit corporation. This improves TSB's ability to obtain grants and donated funds to apply toward its goals. The response from the community so far has been overwhelming.

In 2007, TSB was on the crest of a nationwide wave of interest in promoting Science, Technology, Engineering, and Mathematics. If it were Wall Street, we would have been accused of insider trading, that's how right on the mark we were with our observations and goals. Educators, the military, government, corporations, and worried citizens all agreed that U.S. educated students were going to be second class citizens within 20 years. Ownership of the new technology based companies (Microsoft, etc.) and the associated high-paying jobs were going to those who had a STEAM (or STEM) background and most of our U.S. graduates would be working for them.

Tippecanoe STEAM boosters have focused on 3 objectives this year:

1. Find Active Members, fill out our Board of Directors, and form & define committees:
 - a. Grants - Greta Kumpf, Andy Davidson
 - b. Student Liaison – Keeli Guston
 - c. School Projects – Greg Southers
 - d. Science Fair – Martin English
 - e. School Environment – Chuck Smith, Chuck Wray
 - f. Publicity/Speaker's Bureau – Tina Brownlee
 - g. Ways and Means – Rebecca Schinaman
 - h. TCS Administration Liaison – John Kronour
 - i. Wright Patterson AFB Liaison – Steve Wert, John Smith
2. Create alliances – We have been very successful given the new nationwide STEM environment. We are far ahead of most other school districts with our efforts in community support. Our alliances already include:
 - a. Tipp Computer Doctors – established and maintains our website
 - b. Tipp Monroe Community Services – provides assistance with volunteers and facilitating programs
 - c. Lisa Fitzgerald – Beavercreek, STEM business & institutional consultant
 - d. Wright Patterson Air Force Base – Kathy Levine – provide STEM-type classroom enrichment, as well as Lego and Robotics Leagues help/coaching
 - e. Edison Community College – Patti Ross, Associate Dean of Information Technology – offering pre- high school graduate programs
 - f. EDvention – Susan Bodary – represents a huge array of organizations (academic, military, business, government, etc.) to focus resources on STEAM groups in the Dayton region.
3. Fund school needs – see Treasurer's report

This has been an exciting year. We are established, functioning, and ready to go, so "Full STEAM Ahead." In 2007-2008, we will be involved in an extraordinary numbers of activities for the first time. We could use the help of all interested parties. Now that we have our "ducks in a row", it's time to go to the rest of the community for membership and support. I'm hoping we'll have several hundred members by 2009. Our small group can only do so much. However, with the support of our community we can actually help our schools change the direction of their educational efforts to help our students be successful when they become adults and enter the U.S. job market.

If you are already a member, please renew your membership now for the next school year (2007-2008). If you are new to STEAM and wish to join, there are several types and levels of membership to consider. Feel free to contact us with any questions you may have. We look forward to having you join us in helping tomorrow's scientists and engineers.

Tippecanoe STEAM Boosters, Inc.

Treasurer's Report

Starting Balance on July 13, 2006	\$0.00
Income 07/13/06 – 07/31/07 (Cash or Check)	\$8290.00
Disbursements 07/13/06 – 07/31/07 (checking)	<u>-\$2496.69</u>
Balance on August 01, 2007	\$5793.31

Income

Dues	\$275
General (undesignated) Cash Donations	\$1515
Designated Cash Donations:	
VFW Post 4615 - for library / media center resource materials and equipment purchases	\$4000
Tipp City Eagles Aerie 2201 - for programs and equipment for science departments	\$2000
Rotary - for 2007 District Science Fair registration fees	<u>\$500</u>
Total Cash Income	\$8290

“In-kind” donations:

Tipp Computer Doctors – website development and maintenance, and other web based needs:	\$500
Tower Office Products – office supply, printer paper & ink	\$100
Tipp Monroe Community Services – 2 STEAM banners	\$170
Dysinger, Stewart & Stewart, LLC – legal services and fees for development of STEAM	
Articles of Incorporation, Code of Regulations, and non-profit 501(c)3 application	\$2565
English Veterinary Services – science books	\$100
Miscellaneous donations of awards (gift cert.) for 2007 Science Fair - Tipp Monroe Optimists,	
Jackie Wahl, Rebecca Schinaman, Kathy Allen, Frisch's, Inc., Liz Makley	<u>\$345</u>
Total In-kind Donations	\$3780

Total Dues & Donations (Cash & In-kind) \$12070

Expenses

Administrative / Organizational:	
Ohio Secretary of State – Initial Articles of Incorporation Fees	\$125
United States Treasury – 501(c)3 Application User Fee	\$300
Unity National Bank – checks/deposit slips	\$81.65
(note – Unity Bank made a \$100 cash donation to STEAM to offset this expense)	
Grants (checks only / does not include in-kind donations):	<u>\$1990.04</u>
Total Cash Expenses	\$2496.69

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

Tipp Computer Doctors – website development and maintenance	\$500
Tower Office Products – office supply, printer paper & ink	\$100
Dysinger, Stewart & Stewart, LLC – legal services for development of STEAM	\$2565
English Veterinary Services – science books (added to Grant 07-07)	\$100
Miscellaneous donations of awards for 2007 Science Fair (added to Grant 01-07)	<u>\$345</u>
Total In-kind Expenses	\$3610

Liabilities (on August 01, 2007) (Grants Awarded but not yet Disbursed) \$2998

Assets (on August 01, 2007)

Tipp Monroe Community Services – 2 STEAM banners (for use at STEAM functions)	\$170
Balance in checking on August 01, 2007	<u>\$5793.31</u>
Total Assets	\$5963.31

Net Worth (on August 01, 2007) \$2965.31

Total Expenses 07/13/06 – 07/31/07 (cash & in-kind) & Assets \$12070

Tippecanoe STEAM Boosters, Inc.

Grants Awarded and Disbursed as of August 01, 2007

<u>No.</u>	<u>Applicant</u>	
01-07	THS & TMS Science Dept. Description: 2007 Science Fair – event expenses and awards (incl. in-kind)	\$455
02-07	THS & TMS Science Dept. Description: 2007 District Science Fair registration fees \$30 per student.	\$600
03-07	L.T.Ball library Description: Science related library/media center resource material list.	\$500
06-07	L.T.Ball Math Dept. Description: Hands On Equations Learning – aids in solving algebra problems	\$280
07-07	TMS Library Description: Science related library/media center resource material list.	\$600
Total		\$2435

Grants Awarded but not yet Disbursed as of August 01, 2007

<u>No.</u>	<u>Applicant</u>	
04-07	THS Science Dept. Description: Vernier Lab Quest - digital data collection technology (4 units)	\$1356
08-07	THS Library Description: Science related library/media center resource material list.	\$500
09-07	Broadway Elementary Description: Science related library/media center resource material list.	\$505
11-07	TEAM Lego Robotics Committee Description: First LEGO League Team Sponsorship – registration, kit purchase	\$637
Total		\$2998

Tippecanoe STEAM Boosters, Inc.

Committee Reports:

Engineering 101 - is a series of quarterly seminars designed to introduce Tippecanoe High School students to various fields in engineering – chemical, electrical, mechanical, civil, environmental, material science, etc., and will cover definition of the field, educational requirements – high school and college level, areas of study and jobs available in the field. 2006-2007 Seminars included Material Science, John A. Smith, Tipp City; Mechanical Engineering, Col. Steven Wert, WPAFB; Electrical Engineering, John Cao, WPAFB; Environmental Engineering, David Steckel, WPAFB. Each seminar was attended by 25 – 50 THS students. Plans for 2007-2008 include a continuation of engineering career seminars and the addition of other science careers. Depending on availability of speakers, a once a month format will be the goal.

Science Fair - On Wednesday, February 28, 2007, the Tipp City Schools held their 3rd Annual Science Fair for students in grades 6-12. This year, fifty-two students completed and exhibited projects. Twenty-seven students received a “Superior” rating on their project and were eligible to go to the District contest held at Central State University on March 17. Event sponsors donated awards and gift certificates in the amount of almost \$1000, including \$500 donated by the Tipp City Rotary International club to pay for the District Science Fair registration fees. Twenty-six area professionals and community members volunteered to judge the projects, aided by several Tipp City Schools teachers. Parents and members of Tipp City Optimists provided refreshments and aided in set up and clean up of the event. Of those students eligible, twenty competed at the District 10 Science Day where nine earned a “Superior” designation. Four of those students participated in the State Science Day, held May 12, 2007 at The Ohio State University, where they achieved three “Superior” and one “Excellent” rating. Plans for the coming year include the increased use of mentors and seminars on researching topics and scientific writing.

LEGO Robotics - Tippecanoe STEAM Boosters in partnership with Wright Patterson Air Force Base and Tipp City Schools, is forming LEGO League Teams. Thirty-five students and adults attended an organizational meeting at L.T.Ball Intermediate School on July 11, 2007. Details about programs for Junior LEGO League (ages 6-9), First LEGO League (ages 9-14), and Vex (full scale robotics for ages 14-18) were discussed. Presentations were made by David Gaier, coach for the Tipp-Monroe LEGO Robotics Team for five seasons, Kathy Levine, Director of the Ohio FLL from the WPAFB Educational Outreach Office, and by STEAM Robotics Committee members. In this program, teams construct a project to meet the national challenge appropriate to their age group. When a team completes the project they will enter a competition with other teams in their age group. The goal of each team is not to win – it is to learn, have fun, and help each other to make a better world. Any Tipp student that might be interested in joining a team, anyone who would like to coach or help a team, and any organization or individual(s) that would like to sponsor a team should contact Tippecanoe STEAM Boosters at steamboosters@verizon.net or Chuck Smith at (937) 667-2417 or (937) 667-8628. Many parents left the meeting ready to put a team of 6-8 children together to start their own team.

Other News:

An "Education Partnership Agreement" was signed June 4, 2007 at Tippecanoe High School between Wright Patterson Air Force Base, Tipp City Schools, and Tippecanoe STEAM Boosters, Inc. will benefit Tipp students in a number of ways, at no cost to Tipp City Schools or the Tipp-Monroe community. Based on the formal agreement, the WPAFB Educational Outreach Office will provide volunteer support and assistance to Tipp City school district programs with a focus on science, technology, engineering, and mathematics. The Tipp City Schools and Tippecanoe STEAM Boosters will identify opportunities for local community involvement and WPAFB educational outreach. The WPAFB Educational Outreach Office will provide assistance, publicize volunteer opportunities, and recruit base affiliated volunteers in support of the school districts activities. The areas of assistance may include classroom & seminar speakers, science fair judges & mentors, demonstrations, loans of equipment, and potential field trips.

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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/or mathematics (STEAM), 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 STEAM concepts, improving the students' attitude and perception of these areas through contacts with successful adults with STEAM backgrounds and careers. Success will be measured by the number of students annually entering STEAM 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 STEAM 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 STEAM 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 STEAM related areas of study.
- E. Identify and implement ways to create a positive and enriched academic environment where students interested in the STEAM 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 STEAM 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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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 \$ _____

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

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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 \$ _____

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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.
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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

This donation is designated for: _____ (Ex: Science Fair)

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