

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
 Web: www.tippecanoosteambusters.com

1470 W. Main Street
 Tipp City, OH 45371
 (937) 667-3217 Phone
 (937) 669-9507 Fax
 Tax No. 20-5604996

2008-2009 Annual Report & Call To The Annual Meeting

The Annual Membership Meeting of the Tippecanoe STEAM Boosters, Inc. will take place on: **September 16, 2009, beginning at 7:30 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 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 Sept. 11, 2009. **Please consider renewing your membership commitment now.** Meeting agendas will be sent out in September.

2008-2009 Membership

Active

Bayman, Georgia	Beagle, Wm.	Chaney, Steven	Crow, Brad & Robyn
Davidson, Andrew	English, Martin	Evans, Stan	Foreman, James
Kronour, John	Kumpf, Gretta	Mathias, Jacob	Mathias, Nick
Nesbitt, Jill & Andy	Ogden, Dorothy	Ranft, James	Schinaman, Rebecca
Smith, Charles	Smith, John A.	Southers, Greg	Tesch, Mary
Vath, Brad	Wahl, Jackie	Werts, David	Wray, Charles

Associate

Allen, Kathy	Archer, Bob	English, Jennifer	Hauler, Jennifer
Re', Ron & Sue Ann	Riebe, Kim & Gary	Skolnicki, John	Snyder, Scott
Spinks, Ben	Taylor, Kathy	Tipton, Tim	Vagedes, Chris

Affiliate

Advanced Machinery Concepts	A.O. Smith E.P.C.
CRA Consultants, LLC	DARE Electronics, Inc.
Emerson Climate Technologies	English Veterinary Services
Favorite Insurance Co.	Health Park Dentistry
Midwest Memories	Pioneer Rural Electric Coop, Inc.
Tipp City Rotary	Tipp City Veterinary Hospital
Tipp Computer Doctors	Tipp Health Shoppe
Tipp Eye Center, Inc.	Tipp Monroe Community Services
Tipp Monroe Optometrists	Tippecanoe Masonic Lodge No. 174
Unistore Ltd.	VFW Post 4615

2008-2009 Board of Directors

		Term Expires
President	Charles C. Smith, DDS	2009
Vice President	Andrew L. Davidson, OD	2009
Secretary / Treasurer	Martin E. English, DVM	2009
Board Members	Gretta Kumpf, PhD	2010
	Greg Southers	2010
	Charles Wray	2010
	Rebecca Schinaman	2011
	John A. Smith	2011
	Michael Woodin (resigned 2009)	2011

Student Representatives	Brianna Schultz / Ryan Landwehr
Ex Officio –TCSD Rep.	John Kronour, PhD, Superintendent

Tippecanoe STEAM Boosters, Inc.

From: Charles C. Smith, DDS, President

August 1, 2009

Greetings Tippecanoe STEAM Boosters. Another eventful year has passed. During the 2008 – 2009 school year we focused on 3 main goals:

1. Create alliances with individuals and groups to help us – We have 6 – 10 groups including WPAFB, Edison, EdVention and the Job Center Network.
2. Fund school needs – Funding was developed for many school projects including Smart Boards & projectors, science related books & DVD's, Legos, rock collections, Broadway Family Math/Science Night, field trips, and many others – Well done.
3. Began to develop a STEAM themed social environment in all grades that would positively impact our students values in much the way that their other school based social activities such as athletics, music, and non-class time socializing currently occupies their time.

In addition, we also:

1. Continued our sponsorship of the Annual THS / TMS Science Fair
2. Continued support of local Lego / robotics teams
 - a. Jr. Legos 6 – 9 (1 team)
 - b. Legos league 9 – 14 (3 teams) – 1 team to state competition
 - c. Vex High school robotics 13 – 18 (1 team)
3. Provided guest speakers in the science classroom

The terrible economy we faced last year limited our effectiveness and this was evidenced in several areas:

1. So far, no funding for our 2009 high school Vex robotics team.
2. Difficulty finding coaches for Lego League teams and limited sponsorship for team expenses.
3. Most requests for equipment and projects were funded, but not all. We wish we could do more, but a drop in donations and grants received prevented it.
4. Our membership did not grow much this year. Better ways are needed to reach parents and convince them that financial and volunteer support of STEAM programs is directly beneficial for their Tipp City students.

Our September meeting completes the first three years for Tippecanoe STEAM Boosters, Inc. since its formation, and my three year term as president. As I leave this office (although I am requesting to be retained on our board for another 3 years), I have mixed feelings. During my term, there were glimpses of our potential, but we were never able to fully gain the imagination of the students or the community wide support that I am sure is there.

Our new President will use the September meeting to develop our direction for the new year, so I want to use our August meeting to offer these suggestions.:

1. A strong effort to build our membership. The single greatest limitation to our effectiveness isn't money. It is people willing to help. We still don't have a membership chairman. STEAM Boosters sent over 175 letters to local businesses with limited responses. We need follow up visits to:
 - a.Promote annual funding for Tippecanoe STEAM Boosters.
 - b.Encourage the creation of summer STEAM oriented jobs or internships for our science oriented high school students. Last summer Job Source received only four applications for summer jobs (at least one was accepted at WPAFB).
 - c.Explain how participation with STEAM will help their business
 - d.Encourage their employees to help with our activities.
2. We need parents of our science oriented students to join and help.
3. Encourage 2 high school honor society students to attend our meetings to provide us a "reality check" on our perception of STEAM in the schools
4. Have the schools take over the Lego and Vex robotics teams with our help. They provide coaches and locations. Parents pay for expenses in a "pay to play" scenario. Tippecanoe STEAM Boosters would do its best to provide funds for families that can't afford for their child to participate.
5. Develop a 12 month STEAM calendar on our website that includes all the events / learning opportunities available to children in Central Ohio so parents / students can see all the opportunities.
6. Justin Sommers of the Job Center could be a major resource to help us work with local businesses to generate STEAM type summer jobs for students.
7. Find a membership chairman and try to double our membership.
8. Put together an annual budget – what happened last year and what's projected for the coming year.
9. Encourage every school building to have a science night to build parent interest with us participating similar to the Broadway School event.
10. Rewrite membership applications to focus on benefits to potential members.
11. What about a Christmas holiday pizza party inviting all Tipp college students planning STEAM type careers to spend a couple hours with us to see old friends and discuss how they believe Tipp Schools could improve its STEAM effectiveness?
12. What kind of coordination should we have with the parents of Tipp's gifted children?
13. Find out how many of last year's graduating seniors are planning on a STEAM related college careers? How does this compare for last year?

I'm sure each of you will bring your ideas to add to the list. We're planning our next board meeting for August 26th at 7:00 p.m. at the Board of Education building. Our annual membership meeting will be September 16th at 7:30 p.m. Details can be found on page one of the Annual Report. I hope you all had a wonderful summer and are ready to move onto new leadership!

Sincerely,
Chuck Smith

Tippecanoe STEAM Boosters, Inc.

Treasurer's Report

Checking

Starting Balance on August 01, 2008	\$3225.86
Income 08/01/08 – 07/31/09 (Cash or Check)	\$6477.00
Disbursements 08/01/08 – 07/31/09 (checking)	<u>-\$6910.01</u>
Balance on July 31, 2009	\$2792.85

Income

Dues	\$400.00
General (undesignated) Cash Donations	\$1425.00
Designated Cash Donations:	
2009 Science Fair, books, equipment/tech., Math Counts, 2009 Scholarships	<u>\$4652.00</u>

Total Cash Income **\$6477.00**

“In-kind” donations:

Laptop computer (partial donation), logo design, 2009 Science Fair Awards	<u>\$500.00</u>
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Total In-kind Donations **\$500.00**

Total Dues & Donations 8/01/08 – 07/31/09 (Cash & In-kind) **\$6977.00**

Expenses

Administrative / Organizational:

Equipment:

2 laptop computers	\$800.00
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Scholarship (2009)	\$250.00
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Grants (checks only / does not include in-kind donations):	<u>\$5860.01</u>
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Total Checking Acct. Expenses **\$6910.01**

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

Projector, 2009 Science Fair Awards	<u>\$893.00</u>
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Total In-kind Expenses **\$893.00**

Total Expenses 8/01/08 – 07/31/09 (cash & in-kind) **\$7803.01**

Liabilities (on July 31, 2009) (Grants Awarded but not yet Disbursed) **\$500.00**

Assets (on July 31, 2009)

2 laptop computers	\$800.00
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Balance in checking on July 31, 2009	<u>\$2792.85</u>
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Total Assets **\$3592.85**

Net Worth (on July 31, 2008) **\$3092.85**

Tippecanoe STEAM Boosters, Inc.

Grants Awarded and Disbursed Between August 01, 2008 and July 31, 2009

<u>No.</u>	<u>Applicant</u>	<u>(Amounts Rounded)</u>
09-08	Broadway Science Description: Science Enrichment Activities (SEA) supplies, 1 st & 3 rd grades	\$500
10-08	TMS Science Dept. Description: Microscope purchase \$229 each x 6 Three funded by Emerson Climate Technologies Three funded by Tipp Foundation grant	\$1374
11-08	THS Science Dept. Description: 12/12/08 Genetics Conference registration fees	\$260
12-08	L.T.Ball Gifted Program Description: 2008 Youth Summit registration fees	\$575
13-08	TMS Math Dept. Description: 2009 Math Counts registration fee and supplies Funded by J. Foreman & R. Davis	\$80
14-08	THS Math Dept. Description: Smart Board SB680 w/ stand Funded by Emerson Climate Technologies Epson PowerLite LCD projector Provided from STEAM inventory	\$1724 \$673
01-09	THS & TMS Science Dept. Description: 2009 Science Fair – event expenses and awards (incl. in-kind)	\$507
02-09	THS & TMS Science Dept. Description: 2009 District Science Fair registration fees \$30 per student.	\$360
03-09	Broadway Elem. Description: 2009 Family Math & Science Night – event expenses	\$200
06-09	THS & TMS Science Fair Committee Description: 2009 State Science Day registration fees \$50 per student.	\$200
Total		\$6453

Tippecanoe STEAM Boosters, Inc.

Committee Reports:

Science Fair – On Wednesday, February 18, 2009, the Tipp City Schools held their 5th Annual Science Fair for students in grades 6-12. This year, thirty-nine students completed and exhibited projects. Twenty-six students received a “Superior” rating on their project and were eligible to go to the District contest held at Central State University on March 21. Event sponsors donated awards and gift certificates in the amount of over \$1000, including \$500 donated by the Tipp City Rotary International club to pay for the District & State Science Fair registration fees. Thirty 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, twelve competed at the District 10 Science Day where four earned a “Superior” designation. All four of those students participated in the State Science Day, held May 09, 2009 at The Ohio State University, where they achieved two “Superior” and one “Excellent” ratings. Plans for the coming year include the increased use of mentors and seminars on researching topics and scientific writing.

2008 First Lego League Team Report LT Ball Intermediate School – Lego Storm Troopers

Our team finished the season at competition with 18 other teams on December 13th at Sinclair Community College. Although we did not receive any awards, we did very well in the robot table competition, scoring just five points below the maximum we had programs for. The boys were very excited and proud of the work they accomplished. Our team was composed of 9 boys, all 5th graders. Three of our team members had experience on the 07/08 team and this was a huge asset. We met once before school started to assemble the field and get to know one another better. We practiced weekly at 7:30 on Wednesday mornings at LT Ball. In November we added more sessions. Our computer was loaned to us by STEAM and we appreciate their support of our team. A new robot was not required since we used the one from last year’s LT Ball team. Coaches – Ann May and Patti Gross assisted by Tony Becker and Kim Garber

Other News:

The Tippecanoe Middle School MathCounts team sponsored by Tippecanoe STEAM Boosters placed 6th out of 20 teams in the Dayton Area competition last month. Team members, coached by Dale Bonifas, were Sam Bollinger, Jack Bauder, Geoff Early, and Zach Allen. Other TMS students who scored well at the TMS in-school qualifying competition were Tyler Prentice, Nick Breneman, Sam Wharton and Brad Bruns.

Broadway Family Math & Science Night, sponsored by Tippecanoe STEAM Boosters, was held March 5th with about 100 families [student w/ parent(s)] represented.

Tippecanoe STEAM Boosters, Inc. awarded two scholarships this year for students who have excelled in the STEM 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 Matthew Gaier. Matthew will be majoring in Computer Science at Wright State University. Ben Detrick was the recipient of the \$250 scholarship. Ben will be majoring in Agricultural Diesel Technology at the University of Toledo.

A STEAM Student Advisory Council was formed over the summer, with about ten students representing THS grades 9-12. Luncheon meetings were held quarterly where students provided ideas on ways to enhance science education at Tipp Schools, increase THS student interest in science, and to present new ideas for programs, presentations, and 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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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 \$ _____

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