

Tippecanoe STEAM Boosters, Inc.

President – Charles C. Smith, DDS
Vice Pres. – Andrew L. Davidson, OD
Secretary - Martin E. English, DVM
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1470 W. Main Street
Tipp City, OH 45371
(937) 667-3217 Phone
(937) 669-9507 Fax
Tax No. 20-5604996

2007-2008 Annual Report & Call To The Annual Meeting

The Annual Membership Meeting of the Tippecanoe STEAM Boosters, Inc. will take place on: **September 17, 2008, 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 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, election of officers, and to make committee appointments. All new membership applications should be submitted to the secretary by Sept. 12, 2008. **Please consider renewing your membership commitment now.** Meeting agendas will be sent out in September.

2007-2008 Membership

Active

Asbury, Wm.
English, Martin
Kumpf, Gretta
Ogden, Dorothy
Smith, John A.
Vath, Brad
Wray, Charles

Bayman, Georgia
Foreman, James
Mathias, Jacob
Ranft, James
Southers, Greg
Wahl, Jackie

Beagle, Wm.
Gustin, Keelie
Mathias, Nick
Schinaman, Rebecca
Stueve, Amy
Wert, Steven

Davidson, Andrew
Kronour, John
Nesbitt, Jill & Andy
Smith, Charles
Tesch, Todd
Werts, David

Associate

Allen, Kathy
Evans, Stan
Riebe, Kim & Gary
Taylor, Kathy

Archer, Bob
Hagen, Christian
Skolnicki, John
Tipton, Tim

English, Jennifer
Makley, Liz
Snyder, Scott
Vagedes, Chris

English, Nancy
Morlidge, E.R.
Spinks, Ben

Affiliate

Advanced Machinery Concepts
CRA Consultants, LLC
English Veterinary Services
Fraternal Order of Eagles, Aerie No. 2201
Health Park Dentistry
Monroe Federal Savings & Loan
Precision Strip
Scott Construction
Tipp City Veterinary Hospital
Tipp Eye Center, Inc.
Tipp Monroe Optimists
Troy B-K Rootbeer
WINCO Industries, Inc.

Artistic Inspirations
Edward Jones Investments
Favorite Insurance Co.
Frisch's, Inc.
Midwest Memories
Pioneer Rural Electric Coop, Inc.
S&G Painting Contractors, Inc.
Tipp City Rotary
Tipp Computer Doctors
Tipp Monroe Community Services
Tower Office Products
VFW Post 4615
WPAFB Education Outreach Office

2007-2008 Board of Directors

President
Vice President
Secretary / Treasurer
Board Members

Charles C. Smith, DDS
Andrew L. Davidson, OD
Martin E. English, DVM
Gretta Kumpf, PhD
John A. Smith
Col. Steve Wert (resigned 2008)

Rebecca Schinaman
Greg Southers
Charles Wray

Student Representative
Ex Officio –TCSD Rep.

Keelie Gustin (graduated 2008)
John Kronour, PhD, Superintendent

Tippecanoe STEAM Boosters, Inc.

From: Charles C. Smith, DDS, President

August 1, 2008

Greetings to all Tippecanoe STEAM Boosters,

In 2007 we focused on 3 goals

1. Create an organizational structure- This has been accomplished- our board is in place and functioning with strong support from the schools. Dr. English also developed and maintains our excellent website. Thanks to Tina Brownlee and Denise Mealy for designing our logo.
2. Create alliances with individuals and groups to help us- We currently have working agreements with WPAFB, Edison Community College, EdVention and the Job Center Network.
3. Fund school needs- Thanks in large part to Dr. English and all of our sponsors. Funding was developed for many school projects including projectors, books, Lego Robotic kits, rocks, Smart Boards, math/science night, the science fair, field trips, and many others- Well done.

While all this was happening, we also:

1. continued our sponsorship of the annual science fair
2. initialized our 3 levels of Lego/robotics leagues
 - a. Jr. Lego League age 6-9 (1 team)
 - b. Lego league age 9-14 (3 teams)- 1 team to state competition
 - c. high school robotics ages 14-18- (1 team)
3. maintained our quarterly "Engineering 101" seminars
4. helped Pam Staub with Destination Imagination- 3 teams to state competition
5. Bill Asbury put together a terrific Lego League recruiting video

Now that we are a settled organization, there are a number of initiatives I would like STEAM to consider:

1. A strong effort to build our membership. The single greatest limitation to our effectiveness isn't money. It is people will to help. We still need a membership chairman. Dr. English and Rebecca Schinaman sent over 150 letters to local businesses, but we need follow up visits to promote:
 - a. annual funding for STEAM
 - b. summer STEAM oriented jobs for our science oriented high school students. This year Miami County Job Source received four applications for summer jobs (at least one was accepted at WPAFB).
 - c. how participation with STEAM helps their businessWe also need parents of our science oriented students to join and help.
2. We had limited initial success developing a STEAM high school committee last year. Not surprisingly these students are the busiest, which makes it hard for them to commit to the time for meetings/activities. We have lost Keelie Gustin (our very effective student board member) who graduated. We are currently developing a THS student committee to replace her.
3. Try to make Lego League self-supporting. The trick will be finding parents and businesses that will accept the time and financial responsibility to help their children thrive in the sciences.
4. 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.
5. Our Engineering 101 Seminar program is not reaching enough students. Only three students attended our last presentation. Some ideas:
 - a. Vandalia uses "intervention period"
 - b. Work with junior high as well as high school
 - c. Tie presentation into a lesson plan
 - d. WPAFB will help improve the presentations
6. Justin Sommers of the Miami County Job Center could be a major resource to help us work with local businesses to generate STEAM type summer jobs for students.

I'm sure each of you will bring your ideas to add to the list. We're planning our next board meeting for August 14th at 7:00 p.m. at the board of education building. Our annual membership meeting will be September 17th at 7:30 p.m. Meeting agendas will be sent out under separate mail. If you are already a member, please renew your membership now for the next school year (2008-2009). If you are new to STEAM and wish to join us, 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. I hope you all had a wonderful summer and are ready to build on our first year's success!

Tippecanoe STEAM Boosters, Inc.

Treasurer's Report

Checking

Starting Balance on August 01, 2007	\$5793.31
Income 08/01/07 – 07/31/08 (Cash or Check)	\$9010.25
Disbursements 08/01/007 – 07/31/08 (checking)	<u>-\$11577.70</u>
Balance on July 31, 2008	<u>\$3225.86</u>

Income

Dues	\$525.00
General (undesignated) Cash Donations	\$2190.00
Designated Cash Donations:	
2008 Science Fair, books, calculators, 2008 Youth Summit, FLL Teams, Destination ImagiNation, CMC Bodies Field Trip	<u>\$6295.25</u>

Total Cash Income **\$9010.25**

“In-kind” donations:

Laptop computer, logo design, 2008 Science Fair Awards	<u>\$1679.10</u>
Total In-kind Donations	<u>\$1679.10</u>

Total Dues & Donations 8/01/07 – 07/31/08 (Cash & In-kind) **\$10689.35**

Expenses

Administrative / Organizational:

Equipment:

Epson Projector \$673.00

Committee Accounts:

Jr.FFL \$83.70

Grants (checks only / does not include in-kind donations): \$10821.00

Total Cash Expenses **\$11577.70**

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

Laptop computer, logo design, 2008 Science Fair Awards \$1679.10

Total In-kind Expenses **\$1679.10**

Total Expenses 8/01/07 – 07/31/08 (cash & in-kind) **\$13256.80**

Liabilities (on July 31, 2008) (Grants Awarded but not yet Disbursed) **\$300.00**

Assets (on July 31, 2008)

Epson Projector \$673.00

Balance in checking on July 31, 2008 \$3225.86

Total Assets **\$3898.86**

Net Worth (on July 31, 2008) **\$3598.86**

Tippecanoe STEAM Boosters, Inc.

Grants Awarded and Disbursed Between August 01, 2007 and July 31, 2008

<u>No.</u>	<u>Applicant</u>	<u>(Amounts Rounded)</u>
04-07	THS Science Dept. Description: Vernier Lab Quest - digital data collection technology (4 units)	\$1356
05-07	THS Science Dept. Description: Epson Powerlite 76C Multimedia Projector	\$673
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
12-07	THS Science Dept. Description: Smart Board SB 660 and Epson Powerlite 76C Multimedia Projector	\$2272
13-07	L.T.Ball Intermediate – Math & Science Gifted Program Description: Youth Summit 2007 – Registration for 19 students	\$475
14-07	TMS Science Dept. Description: Refurbished laptop computer for SEPUP data collection	\$300
15-07	TMS Math Dept. Description: TI-30XA Scientific Calculator x 30	\$322
16-07	Nevin Coppock Elementary Description: Science related library/media center resource material list.	\$500
17-07	TMS Math Dept. Description: Math Counts Program – Team Registration	\$80
18-07	Destination Imagination – Elementary / Intermediate Description: Registration fees, supplies	\$250
01-08	Broadway Elem. Description: 2008 Family Math & Science Night – event expenses	\$150
02-08	THS & TMS Science Dept. Description: 2008 Science Fair – event expenses and awards (incl. in-kind)	\$629
03-08	THS & TMS Science Dept. Description: 2008 District Science Day registration fees \$30 per student.	\$300
04-08	THS Science Dept. Description: CMC Bodies Exhibit & related Omnimax Film Field Trip - tickets	\$1121
06-08	THS Library Description: Science related library/media center resource materials	\$989
07-08	THS & TMS Science Fair Committee Description: 2008 State Science Day registration fees \$50 per student.	\$250
Actual Total		\$11308.42

Grants Awarded but not yet Disbursed as of July 31, 2008

05-08	Broadway Elem & Nevin Coppock Elem Description: Rock, Mineral & Fossil Kits for ten third grade classrooms	\$300
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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 structural engineering, mechanical engineering, and analytical chemistry.

Attendance was low this year, however those in attendance were highly motivated. Plans for 2008-2009 include expansion into additional science careers, exploring the possibility of moving discussions into the classroom, and surveying student interest and ideas through the newly formed Student Advisory Council.

Science Fair – On Thursday, February 28, 2008, the Tipp City Schools held their 4th Annual Science Fair for students in grades 6-12. This year, thirty-four students completed and exhibited projects. Eighteen students received a “Superior” rating on their project and were eligible to go to the District contest held at Central State University on March 15. Event sponsors donated awards and gift certificates in the amount of over \$1100, including \$500 donated by the Tipp City Rotary International club to pay for the District & State Science Fair registration fees. Twenty-two 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, eleven competed at the District 10 Science Day where ten earned a “Superior” designation. Five of those students participated in the State Science Day, held May 10, 2008 at The Ohio State University, where they achieved three “Superior” and two “Excellent” ratings. Plans for the coming year include the increased use of mentors and seminars on researching topics and scientific writing.

LEGO Robotics – 2008 teams have been organizing through the summer. The 2007 competition season saw the formation of one Junior First LEGO League team, Teresa Woodin’s “Tipp City LEGO Masters, ages 6-9, from Nevin Coppock and Broadway Schools, three First LEGO League teams (ages 9-14), coached by Erica Brogan, Bill Asbury, and David Gaier, and one Vex team (full scale robotics for ages 14-18) coached by Deron Brown and David Gaier. All coaches have reported a successful season filled with learning, enthusiasm, and team work through out. Most team members look forward to this year’s season and new challenges.

Destination ImagiNation - Three Tipp City Teams took first place at regional competition and were only a few points away from qualifying for the Global competition after competing very well at the Destination ImagiNation State Tournament April 12, 2008 at Barberton Ohio. Participants were 4th through 10th grades. Coaches were Pam Staub (Tipp City DI program coordinator), Susan Knife, and Brian & Kerry Gootzeit. Thanks to the local Tippecanoe STEAM Boosters members: CRA Consultants (John A. Smith) and Advanced Machinery Concepts (Charles Allen, Pete Schinaman, Robert Wahl), for their financial support of the Tipp teams.

Other News:

On February 27 the Tippecanoe Middle School MathCounts team placed 5th out of 19 teams in the Dayton Area competition. Team members, coached by Dale Bonifas, are Bryan Bernhold, Ashley Mohler, Jacob Salyer, Bethany Feitshans and Nick DeNuzzo.

A new letterhead and logo were designed for Tippecanoe STEAM Boosters which will give the organization a more professional and recognizable look. Thank you to Christina Brownlee (Clever Girl Designs), and Denise Mealy (Artistic Inspirations Graphic Design & Printing) for their hard work on this.

A STEAM Student Advisory Council has been formed over the summer, representing THS grades 9-12. An initial organizational meeting will be held in early September once student schedules have been established. The purpose of this council will be to help the STEAM Boosters identify 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, all from the student perspective. This committee will likely meet about once a month during the school year, and one or two representatives will attend the STEAM Boosters board meetings.

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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

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 \$ _____

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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

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