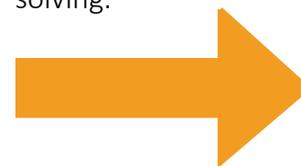


## Lakeshore students need STEM.

The first courses will be in engineering and will provide hands-on experience for students in everyday problem solving.



**Our students have proven they have the ability to be innovative leaders.** A well-designed STEM curriculum taps into students' natural curiosity, using activity- and project-based learning to spark interest that leads to well-paid, stimulating and secure careers.

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## WHAT is LEF?

We are an all-volunteer non-profit 501(c)(3) established in 1997 to work independently, yet collaboratively, with Lakeshore Public Schools and the Board of Education. Our mission is to “acquire and distribute resources in support of Lakeshore Public Schools for programs and projects aimed at enriching or supplementing learning opportunities for students, staff, and community.”

**\$125,000** LEF grants \$125,000 to teachers and students each year.

- **Foundation Project Grants**- providing up to **\$75,000** annually for large-scale projects at all educational levels.
- **Staff Support Grants**- providing up to **\$30,000** annually to fulfill grant requests from Lakeshore staff.
- **Professional Development Grants**- providing up to **\$10,000** annually to assist Lakeshore teachers attending regional, national and international continuing education programs.
- **Stepping Stones for Students Grants**- providing up to **\$10,000** annually to assist Lakeshore students pursuing their interests by attending music camps, foreign language classes, athletic camps, theatre programs, and much more.
- **21st Century Learning Centers**- a 3-year, **\$600,000** project, funded the transformation of the libraries/media centers in all five school buildings.
- **SUPPORT STEM** - supporting new methods and materials to increase students’ learning and experiences in science, technology, engineering and math.

## WHY is LEF important to Lakeshore?

The state funding for public schools in Michigan continues to be a challenge and Lakeshore is in the bottom 16% in funding. Yes, 84% of Michigan public school districts receive more state funding on a revenue per student basis. Our needs are greater than ever before.

## HOW can you be involved with LEF?

- Make a financial contribution (additional info at LEFonline.org)
- Lancer Leader Contributor
- STEM Curriculum Contributor
- General Fund or Endowment Contributor
- Volunteer to help with special LEF projects and events

## Learn more about LEF

Visit our website: [LEFOnline.org](http://LEFOnline.org)

Find us on Facebook: [facebook.com/Lakeshore-Excellence-Foundation](https://facebook.com/Lakeshore-Excellence-Foundation)

Read our newsletter in the *Lakeshore Light*

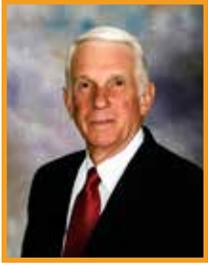
Contact our Chairman, J.C. Anderson ([anderjcna@gmail.com](mailto:anderjcna@gmail.com))



## Lakeshore Excellence Foundation Endowment Fund

The Endowment Fund is our long-term strategy to funding the LEF mission of learning for generations to come. Annually the LEF Board evaluates the health of the fund, makes contributions based on giving and project needs, and reinvests the earned interest. If you are interested in learning more about the Endowment Fund, please contact J.C. Anderson at 269.921.2513 or email at [anderjcna@gmail.com](mailto:anderjcna@gmail.com).

# 2016 LEF Greatest Accomplishments



J.C. Anderson  
LEF Chairperson

*"I hope you agree that we have had a very busy and successful 2016 for the benefit of Lakeshore schools. Please remember that each of us on the 23-person Board is a volunteer. We receive absolutely no compensation for doing this. As such, the real benefactors are our children, grandchildren, relatives, and/or neighbors that live, work, and attend schools in the Lakeshore community."*

## LEF BOARD STRATEGY SESSION

In May, the LEF Board met for a half day to spend in-depth time discussing our role and our guiding operating principles. As previously reported, the major outcomes were two-fold: **(1)** increasing our targeted net annual contribution from the last goal of \$350,000 to \$400,000 (for reference 2010-2012 we were plateaued at \$210,000-\$215,000) and **(2)** increasing our reach and communications to the Lakeshore alumni. We feel that a high school's alumni can potentially be some of the best financial supporters that exist. We do not have an effective means of communicating with this group. This will receive considerable work in the future.

# \$400,000

## CONTRIBUTION TO LAKESHORE PUBLIC SCHOOLS

LEF's mission is fundraising for Lakeshore Schools and then through major projects and grants we provide that money to the schools. Thanks to the generosity of donors and our fundraising projects, we will have a net contribution to the Lakeshore schools in 2016 of approximately \$400,000 which will be our second largest year ever. Last year, with the benefit of the Rob O'Neill Navy SEAL speaker event, we had our best year at \$422,000 net contribution. This goes a long way in our attempt to close the gap of being in the bottom 14% of Michigan revenue per student funding.

## LAKESHORE SCRAMBLE

### GOLF OUTING

The June 20 golf outing at Harbor Shores (with 33 teams) was our most successful golf outing in LEF history. A net of

**\$28,700** was raised. Thank you for your active participation and support. Mark your calendars, the 2017 outing will again be at Harbor Shores on Monday, June 19. Basically, this fundraising event plus our combined effort with the Lakeshore Rotary on the Spaghetti

and Pulled Pork dinner events more than cover our administrative costs thus allowing all other contributions to be applied directly to the net contribution to Lakeshore schools.

## 21st CENTURY LEARNING CENTERS

We are completing this major project of transforming the previous libraries at each of the five schools to the learning centers with new furniture, equipment, and layout. Your generous contributions provided for this **\$600,000** project over the past three years.

INTRODUCING OUR NEXT BIG PROJECT:

# STEM

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

## STEM IMPLEMENTATION

As we enter our next major project (STEM), we are developing project specific information to help our contributors understand the WHY's and the WHAT's of this \$400,000 investment. Look for more information on pages 6 and 7 of this newsletter.

## Grant Reception



Lakeshore teachers gave presentations to explain how their grants were implemented.

**As LEF Board members, one of our favorite LEF events is the Annual Grant Reception. Once a year, grant recipients come together to share how their grant benefits students, teachers and/or our community.**

At this year's reception, Lakeshore educators presented the outcomes of Professional Development, Staff Support, or Foundation Projects grants. Student Stepping Stone Grants were not presented this year. Students will be sharing their stories in the Spring in their respective schools. To learn more about LEF grants visit [lefonline.org](http://lefonline.org).

**The variety of uses of grant funding is impressive.**

**This year's presentations included:**

- Natalie Macerata, Kari Butcher – *Leader In Me Symposium*
- Mike Brow – *Lego Mindstorms*
- Andrea Eddy, Kim Landeck – *MI Conference of Math Teachers*
- Stacy Steffes – *Institute for Multi-Sensory Education Conference*
- David Castonguay – *Google Certification Academy*
- Alma Holtgren, Andrea Eddy, Brad Brunner – *MACUL Conference*
- Theresa Graziano – *Guest Residency for Dance Program*
- HS English Dept – *Books for Choice Reading Program*
- Mike Gathright – *Cardio Room*
- Ricky Rhodes – *LMS Coffee Cart*
- Perry Heppler – *Little Free Library*

**\$125,000** This past school year, LEF awarded a record amount of grants after increasing the total value of grants to \$125,000. Grants have been and will continue to be an integral part of LEF funding in order to reach the greatest number of students, teachers and community members.

**Grant Application Deadlines - Applications can be found at [LEFonline.org](http://LEFonline.org)**

- Stepping Stones (a grant for students) April 15, 2017***
- Professional Development May 1, 2017***
- Foundation Project Grant May 10, 2017***



## 2015-2016 Grant Recipients

### Stepping Stones

Val Heppler – *Boy Scout Summer Camp*  
Ava Schlender – *Java Coding with Minecraft Modding at U of M*  
Linden Warnock – *Survivor Math at Northwestern CTD*  
Emma Bier – *Blue Lake Fine Arts Camp*  
Kent Heppler – *Blue Lake Fine Arts Camp*  
Carl Southard – *Camp Wakeshma MS Music Camp*  
Rebecca DePumpo – *WMU Music Seminar*  
Rose Mary Garcia – *Interact Trip to Costa Rica*  
Sarah Hagadorn – *HS Summer Dance Intensive at IU*  
Samantha Hulen- *Interact Trip to Costa Rica*  
13 DECA students – *DECA Nationals in Nashville*

### Professional Development Grants

Kim Landeck, Karen Eberly, Andrea Eddy – *MI Conf of Math Teachers in Traverse City*  
Alma Holtgren – *MACUL Conf in Detroit for 10 people*  
Stacy Steffes – *Institute for Multi-Sensory Education Conference*  
David Castonguay – *Google Certification Academy*  
Katie Woodard – *WMU Principles of Teacher Cadet I*  
Ricky Rhodes & Melanie Merchant – *MI Council of Exceptional Children Conference*

### Staff Support Grants

Theresa Graziano – *Guest Residency for Dance Program*  
HS English Dept – *Books for Choice Reading Program*  
Melinda Grashuis – *Headphones & Calculators for Guidance*  
Mike Gathright & Erin Griffiths – *Portable PA System for Aux Gym*  
Chuck Jager – *Teddy Roosevelt Presenter*  
Ricky Rhodes – *LMS Coffee Cart*  
Jenn Ascolese & Tanya Rochefort – *MAISA Writing & Reading Units Support*  
Jenn Ascolese & Cindy Vaughn – *Learn Like a Pirate*  
Hollywood Kindergarten – *Kindergarten Literacy Bags*  
Perry Heppler – *Little Free Library*  
Perry Heppler & Melissa Plummer – *Scholastic Magazine for 2nd grade*  
Cindy Kliemchen & Megan Hines – *Noise Reduced Headphones for 4th grade & guidance*  
Tanya Rochefort, Tim Worrell & Cindy Kliemchen – *Keyboarding Without Tears*

### Foundation Project Grants

Jon Woodard & Brad Smith – *FIRST Robotics*  
Kari Butcher – *Leader In Me Symposium*  
Katie Rohwer – *Bye, Bye Birdie (HS Musical)*  
Mike Brow – *Lego Mindstroms*  
Mike Gathright – *cardio weight room equipment*  
Jenn Engleman – *Battle of the Books*  
Julie Powell – *Young 5's*  
Paul Milligan – *Followspots*  
Val Carr & Cami Ashley – *Homecoming/Lancer Pride Parade*  
Adam Carr – *REAL Weld*  
Shelley Baker-Taylor – *Active & Fit Playground*

# STEM



Science Technology Engineering Mathematics

## EDUCATION

### Our nation needs STEM.

**We face challenges as never before** in complicated issues such as cybersecurity and diseases that stubbornly resist cures. We need future leaders who can collaborate, gather evidence, take risks, and solve problems—exactly the skills acquired by students who study STEM.

### Local business needs STEM.

**Our employers want to hire a stellar workforce.** Our community would be far different without the economic stimulus of companies like Whirlpool, LECO, Bosch, Gast, Lakeland Health, and many others who need employees skilled in STEM. As many as 26 million jobs in the U.S. require significant STEM knowledge, yet too few students choose STEM career pathways.

### Lakeshore needs STEM.

STEM will begin at the middle school. We are evaluating the plan on transitioning into the high school and the elementaries over the next two years. The first courses will be in engineering and will provide hands-on experience for students in everyday problem solving.



### We are prepared for STEM.

**Our students** have proven they have the ability to be innovative leaders. A well-designed STEM curriculum taps into students' natural curiosity, using activity and project-based learning to spark interest that leads to well-paid, stimulating and secure careers.

**Our teachers** have the passion and talent to provide a rich learning environment. They need additional support, new strategies, and resources to bring STEM alive.

**Our parents,** grandparents, neighbors and friends want the most relevant education for students who will strengthen our communities.

**Our school system** has prepared well for this next project. We have recognized that education has taken a major shift. By transforming our libraries into 21st Century Learning Centers, we created information hubs that promote collaboration and creation. The STEM project complements the Learning Centers project, extends the concept of our existing Math/ Science Center to all students, and fosters excellence and innovation in the areas of study that have made the U.S. a world leader.

## LEF Focuses Efforts on STEM

### Project Lead the Way

Facilitates the Implementation of STEM

Fortunately, a nonprofit organization called Project Lead the Way (PLTW) has already done exactly that – led the way! PLTW transforms the learning experience for K-12 students and teachers, making learning relevant and personal. PLTW empowers students to develop in-demand, transportable knowledge and skills through pathways in computer science, engineering, and biomedical science. **PLTW’s teacher training and resources enable teachers to engage their students in real-world learning.**

**More than 8,000 elementary, middle, and high schools through the U.S. offer PLTW programs.**

### Quality Costs.

**We’ve said it before . . . we’ll say it again: quality education has a high price tag.**

We anticipate the total LEF spend on STEM will be approximately \$400,000. This is based on what similar sized districts have experienced. Over the next year, we will understand the additional equipment, training, and curriculum that will be required, the timeline, and the costs associated with implementation of STEM.

Join us in engaging the minds, spirits and talents of our students and teachers. Help us build a workforce ready to meet the challenges of both today and tomorrow.

**Plan now to contribute to the STEM project, not just this year but every year for three years!**

### CONTRIBUTION FORM

Name of Contributor(s):

\_\_\_\_\_

Address/City/State:

\_\_\_\_\_

Phone (Home): \_\_\_\_\_

Phone (Work): \_\_\_\_\_

Phone (Cell): \_\_\_\_\_

Email: \_\_\_\_\_

Are you a Lakeshore graduate?  YES  NO  
If YES, what year did you graduate? \_\_\_\_\_

Will your employer match this contribution?  
 YES  NO

My contribution amount: \$\_\_\_\_\_

Optional:

My gift is in honor/memory of:

\_\_\_\_\_

Address/City/State:

\_\_\_\_\_

Send form and contribution to:

**Lakeshore Excellence Foundation**

5771 Cleveland Avenue, Stevensville, MI 49127

Please make checks payable to Lakeshore Excellence Foundation.

LEF is a nonprofit 501(c)(3) organization. Your contributions to LEF are tax deductible to the full extent allowed by law.



**In short, we all need to work together to bring STEM to Lakeshore Public Schools. So it’s no surprise that the Lakeshore Excellence Foundation has pledged to fill the funding gap that can make STEM learning opportunities within the reach of every Lakeshore student.**

## AWESOME Alumni



### Bonnie (Both) Lawrence

Bonnie (Both) Lawrence, a 1968 LHS graduate, furthered her education at Michigan State University, where she graduated in 1972. She spent the next 37 years teaching Head Start, elementary special education, Young Fives, and Early Childhood Special Education students. In 2010, she retired from Lapeer Community Schools. With plenty of time on her hands, she applied and joined Peace Corps. Her Peace Corps assignment was in Lesotho, Africa from 2012-2014. She worked with primary (elementary) school students in two local schools and also helped teachers enrolled in the distant learning program through the Lesotho College of Education.



**“It was a learning experience for me, and I met some amazing people. AARP is encouraging older adults to consider joining Peace Corps, since we have years of experience to share with others.”**



PHOTOS:

“Here are a few pictures of myself in Lesotho. The top picture is me and my language teachers; the middle picture shows two teachers from one of my primary schools and me, and the bottom picture is me with a teacher who was also a student at the college.”

## NOTICE:

### Silent Auction

**LEF will hold a silent auction January 30 to February 10, 2017.**

Items will be available for bid online. Watch for more information.

# SHHHHHH

## Don't Be Quiet!

### AMAZON SMILE -- A New Way to Give!

**Are you an Amazon.com shopper?** Did you know if you use Amazon Smile that you can buy the exact same items for the same price and a portion of your sale will come back to LEF? It's easy to get started — add “Lakeshore Excellence Foundation” to your account and make sure smile.amazon.com is in your browser when you are shopping.

Type in the URL: <https://smile.amazon.com/>

Look for the Amazon “Smile”, Bookmark It!

Questions? <https://smile.amazon.com/gp/aw/ch/about>