Join The Tool Revolution

At our site in the 1840s, a new system of manufacturing crystallized. It would be called “The American System.” Here a group of ingenious mechanics won a contract to make 10,000 rifles for the U.S. Army—all with interchangeable parts. They created a center for innovation, doing some of the best, high-tech work of the day.

Join us when we open May 23 to see the new exhibit that tells this important story. Learn about Richard Lawrence, the gunsmith, who arrived in Windsor at age 21—an early adopter of machinery that turned gunmaking from a hand craft into an industrial process. Frederick Howe, the machine designer, arrived in Windsor at age 25. He designed advanced barrel drilling, rifling, and milling machines. Henry David Stone learned pattern making and drafting at a young age and developed the turret lathe, creating enormous efficiencies in screw production. After their pioneering work together here, these three young men went on to influence several generations of machine builders who would then turn America into the industrial powerhouse of the 20th century.

New Learning Lab

If you come on a week-day you just might catch students engaged in a learning lab soon to be outfitted thanks to Hypertherm Hope Foundation. Teachers may choose one or two new pre-engineering activities when their students visit. In Simple Machines, students experiment with six simple machines and how they combine into compound machines. Then students are tasked with figuring out how simple machines increase the mechanical advantage of the machines on exhibit. In Gears, Belts, and Pulleys students experiment with ways to transfer energy. They then explore how the nearby brook, the building, and the machines all worked together to produce goods. The learning labs are designed to provide students a foundation to understand the mechanical world before they explore the exhibits so they may better grasp the truly revolutionary nature of what happened here in the past.

Today’s manufacturing world is again undergoing a technological revolution. You or your company can celebrate this innovative spirit seen in both past and present by contributing to our exhibit and its education programs.

Join the Challenge!

Friends Tom and Barbara Putnam of Keene NH have issued a challenge pledge. They will match dollar for dollar all new gifts up to $20,000 supporting this 2015 19th-century exhibit and its 20th-century sequel. New companies or individuals, who have never before supported the museum, please step forward!

Tom retired as Chairman of Markem Corporation in 2006 after 40 years of managing all functional areas of the company. Markem was founded in 1911 in Boston by Fred A. Putnam, Tom’s great grandfather. Markem machines are used to print variable information, on line, in plant, on a wide variety of consumer and industrial products.

Tom says: My wife and I are making this gift to support the museum’s program of preservation, education, and outreach. We feel that the story of precision manufacturing, and its impact on the world is a highly valuable part of our history. It is a story full of creativity, ingenuity, and inspiration that is best told through the machinery and people who made it happen. We hope that this gift will inspire others to support it so the exhibit will be mounted according to plan.

“This is the best kind of gift”, says Ann Lawless, Executive Director. “With this pledge, Tom and Barbara are doubling the impact of their gift, and challenging our staff, trustees and all our donors and members to bring in the new supporters we need. Thank you Tom and Barbara!”
**EXHIBITS**

**The Tool Revolution** tells the story of how ingenious mechanics here in the 1840s forged an industrial America by creating one of the best gun-making operations in the world. They created a center of innovation, doing some of the best, high-tech work of the day.

**Arming the Union** This site played a critical role in outfitting the Union Army during the Civil War. The majority of the 1.5 million rifles made for the war were made using machinery designed and produced here. Learn about the workers, the weapons and machines that made those weapons, and how the precision tool industry began to serve as the backbone of American industrial and military power.

**Waterwheel and Millwork Drawings** explain how a massive waterwheel in the basement of this brick factory building diverted water from the Mill Brook, and using a complex system of gears, shafts and pulleys powered machines throughout the building.

**PROGRAMES**

**Friday June 5**
5:30 – 7:30 pm  
Opening Reception of The Tool Revolution

**Sunday July 12**
1:00 pm  
Family Maker Day: Simple Machines  
Explore simple machines, find simple machines hidden inside the historic machines on the exhibit floor, and use your ingenuity to design your own machine.

**BEHIND THE SCENES TOURS**

**Sunday July 12**  
**Sunday August 23**  
**Saturday September 26**  
2:00 pm and 3:00 pm  
Behind the Scenes Tours: Yankee Ingenuity  
Tour the second floor storage to learn about our building and the collections stored there. 12 individuals/tour $10.00 each

---

Stay up to date!

Sign up for monthly e-news at our website. We never share our lists!
Sunday July 26
2:00 pm
Highlights Tour with Carrie Brown
Explore the exhibit as curator Brown shares the story of the Tool Revolution and the men behind the machines.

Frederick Howe’s innovations in metal-shaping technology helped make mass production possible.

Sunday August 9
3:00 pm
Vermont and the Union Victory
Howard Coffin will talk about the end of the Civil War, focusing on Vermont’s role leading up to the decisive attack at Petersburg, the 13th Amendment, and Vermont’s overall contribution to the War.

Sunday August 23
1:00 pm
Family Maker Day: Break it-Make it
Put on your safety glasses, grab a screwdriver, and take apart old machines. See how they work, scavenge parts, and use your ingenuity to make something new.

Saturday September 26
10:00 am – 5:00 pm
Smithsonian Magazine Museum Day
Free admission at participating museums all across the country with the Smithsonian Day pass, obtainable online or in the Smithsonian magazine.

Saturday October 24
9:00 am – 4:00 pm
16th Annual Model Engineering Show & Maker Space, Windsor Recreation Center and the museum
Visit with New England’s finest model engineers, attend workshops and watch live demonstrations. Admission to both: $10 for adults, $5 for students.

Blue Star Museums
Blue Star Museums is a partnership among the National Endowment for the Arts, Blue Star Families, Joining Forces, MetLife Foundation and museums across the country. From Memorial Day—Labor Day we offer free admission to all active duty, National Guard and Reserve military personnel and up to five family members.
Headed in the Right Direction

Thanks to outgoing Chair Sean Kersey for his leadership implementing the good guidance of the Board of Advisors and revitalizing our mission. Staff and Trustees have worked hard to put mission into action with new activities and programs. It is very important that we continue our outreach to the public and most particularly young people.

Our regional workforce development program partnership touched 200 students from six schools across two states who toured Hypertherm, Timken, Whelen, North Hartland Tool and Chroma. More is planned for 2015. Paid student interns again wowed visitors in our Working Machine Shop. Workshops for kids, school groups and family days provided learning opportunities for up-and-coming young engineers to share their knowledge at the new Makerspace at the Model Engineering Show.

As do most museums APM depends heavily on charitable giving to meet our mission. We are expanding efforts to encourage support from corporations involved in precision manufacturing and innovation. APM was founded by Ed Battison to preserve the artifacts that show the history of invention in precision machine production that laid the foundation for the wonderful variety of tools and technology in place today. APM is a first rate way to give the public access to this important piece of American history. Please join us in strengthening these educational initiatives.

My goal as Chair is to enhance this effort through staff and Board collaboration. If you’d like to get more involved, we are seeking new Board candidates. We welcome all your advice and help to keep us moving forward.

Eric Gilbertson
Chair

Mission

To capture the imaginations of young and old with the spirit of innovation, problem solving and design, as demonstrated through the dynamic story of the machines and people which form the foundation and future of the manufacturing industry in America.

Irene Recovery

Three agonizing years after tropical storm Irene hit in August 2011, this is now a fast moving project! Stay in touch through e-news and our website.

---

FINANCIALS

Condensed Balance Sheets*  
for the years ended April 30, 2014 and April 30, 2013

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSETS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and equivalents</td>
<td>$ 20,045</td>
<td>$ 16,838</td>
</tr>
<tr>
<td>Grants receivable</td>
<td>30,001</td>
<td>30,001</td>
</tr>
<tr>
<td>Other current assets</td>
<td>13,210</td>
<td>12,585</td>
</tr>
<tr>
<td>Property and equipment, net of depreciation</td>
<td>677,539</td>
<td>732,487</td>
</tr>
<tr>
<td>Investments</td>
<td>1,370,162</td>
<td>1,293,140</td>
</tr>
<tr>
<td>TOTAL ASSETS</td>
<td>$ 2,110,957</td>
<td>$ 2,085,051</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIABILITIES AND NET ASSETS</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Current liabilities</td>
<td>18,271</td>
<td>18,716</td>
</tr>
<tr>
<td>Unrestricted net assets</td>
<td>963,550</td>
<td>1,069,848</td>
</tr>
<tr>
<td>Temporarily restricted net assets</td>
<td>396,949</td>
<td>264,300</td>
</tr>
<tr>
<td>Permanently restricted net assets</td>
<td>732,187</td>
<td>732,187</td>
</tr>
<tr>
<td>Total Net Assets</td>
<td>$ 2,092,686</td>
<td>$ 2,066,335</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL LIABILITIES AND NET ASSETS</th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 2,110,957</td>
<td>$ 2,085,051</td>
<td></td>
</tr>
</tbody>
</table>

Condensed Statement of Activities and Change in Net Assets  
for the years ended April 30, 2014 and April 30, 2013

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>REVENUE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donations, bequests, grants</td>
<td>$ 198,304</td>
<td>$ 229,125</td>
</tr>
<tr>
<td>Admissions</td>
<td>25,297</td>
<td>27,284</td>
</tr>
<tr>
<td>Memberships</td>
<td>61,610</td>
<td>52,775</td>
</tr>
<tr>
<td>Investment income</td>
<td>36,358</td>
<td>45,887</td>
</tr>
<tr>
<td>Unrealized gain (loss) on investments</td>
<td>87,155</td>
<td>64,623</td>
</tr>
<tr>
<td>Other income, net</td>
<td>11,252</td>
<td>10,193</td>
</tr>
<tr>
<td>TOTAL REVENUE</td>
<td>$ 419,976</td>
<td>$ 429,887</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPENSES</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries and benefits</td>
<td>195,160</td>
<td>252,321</td>
</tr>
<tr>
<td>Depreciation</td>
<td>56,698</td>
<td>85,416</td>
</tr>
<tr>
<td>Occupancy, insurance &amp; maintenance</td>
<td>36,255</td>
<td>40,571</td>
</tr>
<tr>
<td>Office and publication costs</td>
<td>13,766</td>
<td>12,246</td>
</tr>
<tr>
<td>Professional services</td>
<td>41,144</td>
<td>40,724</td>
</tr>
<tr>
<td>Contracted services</td>
<td>9,835</td>
<td>12,358</td>
</tr>
<tr>
<td>Other expenses</td>
<td>40,197</td>
<td>96,476</td>
</tr>
<tr>
<td>TOTAL EXPENSES</td>
<td>$ 393,625</td>
<td>$ 540,411</td>
</tr>
</tbody>
</table>

REVENUE LESS EXPENSES EQUALS CHANGE IN NET ASSETS  
$ 26,351  ($ 110,225)

*Complete financial statements with accompanying notes and opinions are available at the museum office.
2014 Report on Giving

Thank you to our many contributors for all they do to support the museum. Every gift we receive is important. Your contributions come in many ways – membership, annual and special purpose gifts, gifts in kind and those made in honor or in memory of a loved one. We also thank our volunteers who give time and effort to make things happen. No matter how you support us, you make a difference.

Special thanks are due to corporate supporters and industry friends. Brian Frederick has been a creative advocate and team builder, honoring the memory of James N. Farley, the late CEO of Speedfam. Gardner Business Media provided ads in Modern Machine Shop. Association for Manufacturing Technology, Haas Automation, Morris Group and INDEXX led with ideas and opportunities to raise visibility at industry meetings. Mike Cayley Sr. at Midaco, has invited friends and colleagues to join. We are very appreciative of our loyal members Heidenhain, Task Force Tips, MacLean-Fogg, Royal Products, C Thorriz Industries, Moore Tool, and we salute new members EB Manufacturing, Campbell Grinder, and Abbot Workholding Products.

ANNUAL AND SPECIAL PURPOSE GIFTS
January 1 - December 31, 2014

Robbins & Lawrence
Society
($2,500 and up)
Mark and Michele Aldrich
Brattleboro Development
Credit Corp
Farley Family Charitable
Foundation
Jack and Dorothy Byrne
Foundation
Douglas M. Loudon
Foundation
Anonymous
Midaco Corporation
Old Stones Foundation
Jane Osgood and Ted Hilles
Rick Roesch
Eric and Margaret Rothchild

Mill Brook Society
($1000 - $2,499)
Building Enclosure Associates
Stephen F. Christy
Cone Automatic Machine
Company
Mascoma Savings Bank
Anthony and Susan Morris
Michael Newbold
Preservation Trust of Vermont
Merritt Roe Smith
Robert Van Etten Jacobs
Vermont Antique Automobile Society
Willie Brothers Foundation

Precision Valley
Society
($500 - $999)
Joseph Bozik
Bryant Chucking Grinder
Charitable Foundation
Couch Family Foundation

Rolf Diamant
Clark Griffiths
James N. Heald II
D. Sean Kersey
Ken Kranzusch
L. S. Starrett Company
Seymour Lehrer
Charles Leni
Bill Lynn
William C. Martin
Robert A. Moeser
Frederick G. Novy III
Kirk Stackhouse
Donald S. Whitney

Edwin Battison Society
($250 - $499)
Liora Alsclusler
John D. Brown
Dr. Fuku Hashimoto
Thomas H. Hughes
Joseph Jablonowski
Richard A. Johnston
Bill Lewis
O & H Holding Company
Richard and Nancy Pitkin
Bernard Rosselli
Dr. Gerhard and Sigrid Sihler
Timken Fund Matching Gift Program
Jean Tlaker
Larry L. Vanice

The 1966 Society
($100 - $249)
C. Thorriz Industries, Inc.
C. Sharps Arms Company
Edward and Judith Becker
Edwin J. Bernet Jr.
Arthur Beutler
Roger Bradford and Martha Stanton

Peter and Susan Brink
Michael and Pamela Brown
Thomas J. Carpenter
Caterpillar Foundation
Matching Gifts
Gene Cesari
Edmond S. Cooley
Mark Elrod and Dr. Judith Foulke
Christopher J. Evans
Robert B. Fearing
Silas Felton
Dr. and Mrs. C. Quentin Ford
Darlyne and Bruce Franzen
Mr. and Mrs. James L. Garvin
Ernest and Shelah Gaudet
Eric Gilbertson
Jonathan and Stacey Glastris
Douglas Graham
Hammond Roto-Finish
Timothy M. Hogan
Glenn Hopkins
IBM Corporation Matching Grants
Robert L. Johnson
Larry and Josette Jones
Robert B. Kancir
Diane Kemple
Web Kohlhase
James Koontz
Hermon Kubowski
Cliff LaBounty
Ann Lawless
Lebanon Screw Products Inc.
Stephen C. Ledger
Mrs. Thomas Levesque
David Lindquist
Mark Long
Malcolm S. Mason
Bill McCarthy
David C. McClary
James L. Mc Rae

James A. Monk
Miles and Pat Mushlin
Joseph Nemes
Thomas P. O’Leary Jr.
John and Barbara Osborn
Richard Powalka
William Rewinski
John and Emily Sands
Gene Seidler
Charles Selover
Alden O. Sherman
John J. Siergielewicz Jr.
Alex and Debra Slocum
Ronald K. Smelzter
John W. Snarski Jr.
Mark B Sorensen
T. Michael Speidel
Earle C. Stubbs
Peter Teale
Third Generation Design
Barbara Walker
Donald Weigt
Peter Wenk
Mike and Rosemary Whitney
Gilbert Whitemore
Windsor Lodge of Elks #1665

Friends
(up to $99)
Charles E. Baldwin III
Mr. and Mrs. H. J. Barth
Paul and Jesse Beber-Vanzo
Daniel and Florence Belleville
Iris M. Berezin
William M. Beute
William E. Blockley
Susan Bonthon
Paul and Dorothy Bothwell
Anonymous
Jean Brown
Alan Bugbee
Sarah F. Carter
Robert E. Charles III
Archie Cheda
Michael and Nancy Clark
Carolyn A. Coker
Connecticut Plastics Inc.
Pama Dangelo
Steve Danielson
George DeSantis
David Donath
Russell H. Dunham
Bob England
Doug Evelyn
Edward Ferguson
David N. Frick
Deb and Todd Geil
Kathaleen Maynard Giurtino
Shirley J. Grainger
R. Avery Hall
Thomas Hammond
Michael Harnett
Paul and Susan Henkel
Richard Hoertel
Charles and Louise Horsken
Jim and Marilyn Hurley
Wilhelm Huxhold
Edwin A. Jeffery

American Precision Museum • Annual Report 2014 • Summer 2015
In Memory Of

Robert Brown  
Jean Brown  
Tom Dooney  
Michael Harnett  
Lewis Helm  
Robert Van Etten  
Jacobs  
Thomas Levesque  
Nancy Levesque  
Gerald Maynard  
Kathleen Giurtino  
Robert Powalka  
Richard Powalka

Mike Rivizzio  
Shirley Grainger  
Timothy Hogan  
Charles Selover  
Norman Sandley  
Donald Weigt  
A. E. Stubbs  
Earle Stubbs  
Erich Tlaker  
Jean Tlaker  
Edward Walker  
Barbara Walker  
Suzanne Thomas  
Arthur Thomas

In Memory and In Honor Of

Robert Ingalls  
Donald Whitney

Gifts in Kind

Building Enclosure Associates  
Cota & Cota  
COVER Home Repair and the ReCover Store  
Brian Frederick  
Gardner Business Media Inc.  
Haas Automation Inc.  
Haas Factory Outlet  
Bill Lynn  
Microsoft  
Miller Construction  
Moore Tool Company  
Multi-Weld Services  
Steve Newlan  
Norian/Siani Engineering Inc.  
WinCycle

CORPORATE MEMBERS

Benefactor ($5,000)

Association for Manufacturing Technology  
Gene Haas Foundation

INDEX Corporation  
Maclean-Fogg Morris Group

Associate ($2,500)

Campbell Grinder, Inc.  
Moore Tool Company  
Royal Products

Contributor ($1,000)

Abbott Workholding Products  
C. Thorrez Industries, Inc.  
EB Manufacturing Company, Inc.  
Midaco Corporation  
Task Force Tips, Inc.

INDIVIDUAL MEMBERS

Steward ($500)

Seymour Lehrer  
Bruce S. Nicholas  
Richard E. C. White

Patron ($250)

Kimbal L. Bergstrom  
Ruth Carter  
Edmond S. Cooley  
David A. DeGhetto  
Rolf Diamant  
Mason Ferry  
Ernie and Shelah Gaudet

Robert L. Geddes  
Karl Gurcke  
David Hallenbeck  
Patrick J. Harrington  
Daniel L. Hertz  
Glenn Hopkins  
Kinefac Corporation  
David G. Murray  
Joseph Nemes  
Richard and Nancy Pitkin  
David B. Russell  
Gerhard and Sigrid Silher  
Kirk D. Stackhouse  
Augustus P. Stager  
Donald S. Whitney

Associate ($100)

Robert and Esther Allen  
Frank and Betsy Bechdolt  
Edward and Judith Becker  
Peter and Susan Brink  
Alan C. Bugbee  
James A. Carlson  
Gene Cersi  
Connecticut Plastics, Inc.  
James H. Cudlip  
Mark Elrod and Judith Foulke  
Christopher J. Evans  
Robert B. Fearing  
Silas Felton  
Darlyne and Bruce Franzen  
George Gardiner  
Mr. and Mrs. Edward Goldman  
R. Avery Hall  
Robert R. Hall  
James Hamilton and Judy Boucher  
Emmons Hathaway  
Clay and Christine Hawkins  
George Hill  
Robert J. Hocken  
Alan Huffman  
Thomas Hughes  
Richard Johnston  
Francis Kennedy  
James Kerr  
Verna Kloos  
Webster Kohlhase  
Cliff LaBounty  
Robert and Vera Lake  
Bill Lewis  
David Lindquist  
Kendall and Marcia Manner  
Joseph Martin  
Jeffrey and Patricia Myers-Hayer

Make a Lasting Impact

Join the Museum’s Legacy Society

Is the museum already in your estate plans? Please let us know so that we can thank you!

A charitable bequest, with the museum as a beneficiary, is easy to put in place and can be made with cash, securities, or real estate.

“I give to the American Precision Museum, Inc., Windsor, Vermont, _________________ dollars ($______), or _____ percent (%____) of my residuary estate, to be used for the benefit of the American Precision Museum, Inc. as the Trustees thereof may direct.”

Nancy Nash-Cummings and Richard Cummings  
Mr. and Mrs. Peter Nelson  
Charles and Carol Nettleship  
Brett Nolte  
David and Mary Otto  
Michael Protenic  
William Rewinski  
Gordon and Patrica Richardson  
Gerald L. Roudybush  
Ross Sackett  
Timothy Schafer  
Gene Seidler  
Ernest W. Smith  
Martin Sornborger  
Byron Stutzman  
Donna Swayne  
David and Mary Talbot  
John Tatlock  
John S. Taylor  
Thorn Industries  
Paul Wardwell  
Robert Webster  
Peter Wenk  
Simon Winchester  
John Wyman  
James Zambrano

Family ($55)

Mark and Michele Aldrich  
Paul Austin  
Ken and Joyce Baldwin  
Paul and Jesse Beber-Vanzo  
Allan R. Bensten II  
Joanna Bodenweber  
and Geoffrey Fried  
Daniel J. Brammell  
Eric Butler  
Frank Carey  
Ronald E. Clark  
R. E. Coleberd  
Karl Coles  
Greg Dambach  
Peter and Suzanne Dawson  
Leonard Day  
Peter DeRose  
Henry O. Egli  
David F. Ford  
Harold J. Frost  
Mr. and Mrs. James Garvin  
Kimo Griggs  
Marie Hamel  
Allen Hase  
F. Leo Hickey  
Richard Hoertel  
Wilhelm Huxhold  
W. Thomas Johnson  
Robert Kancir  
Kendall and Marcia Manner  
Joseph Martin  
Jeffrey and Patricia Myers-Hayer

Nancy Nash-Cummings and Richard Cummings  
Mr. and Mrs. Peter Nelson  
Charles and Carol Nettleship  
Brett Nolte  
David and Mary Otto  
Michael Protenic  
William Rewinski  
Gordon and Patricia Richardson  
Gerald L. Roudybush  
Ross Sackett  
Timothy Schafer  
Gene Seidler  
Ernest W. Smith  
Martin Sornborger  
Byron Stutzman  
Donna Swayne  
David and Mary Talbot  
John Tatlock  
John S. Taylor  
Thorn Industries  
Paul Wardwell  
Robert Webster  
Peter Wenk  
Simon Winchester  
John Wyman  
James Zambrano

Make a Lasting Impact

Join the Museum’s Legacy Society

Is the museum already in your estate plans? Please let us know so that we can thank you!

A charitable bequest, with the museum as a beneficiary, is easy to put in place and can be made with cash, securities, or real estate.

“I give to the American Precision Museum, Inc., Windsor, Vermont, _________________ dollars ($______), or _____ percent (%____) of my residuary estate, to be used for the benefit of the American Precision Museum, Inc. as the Trustees thereof may direct.”
In Memoriam

Nancy B Hoggson
Starting in 2005, Nancy brought professionalism, practicality and depth to our fundraising and communications efforts. Her determination, teamwork and joyful collegiality are missed by all.

Wayne R Moore
Wayne was president and CEO of Moore Special Tool Company, Bridgeport CT, founded by his father in 1924. Wayne authored “Foundations of Mechanical Accuracy”, a classic reference on precision engineering that was translated into seven languages. We salute his many years of leadership on our Board of Trustees.

Michael Riviezzo
A long-time volunteer from Bedford NH, Mike passed away after a courageous struggle with ALS. A talented machinist, Mike led the rebuilding of the Jones & Lamson flat turret lathe and engineered the souvenir stamped gear we make in the working machine shop. Mike loved machines and his work touched our staff, volunteers, and countless visitors.

Volunteer of the Year

Vincent Moeykens
Vincent Moeykens began volunteering in winter 2014 with our first after school series for 9-12 year olds, Tinkering with Electricity. He helped design the workshops and quickly became an indispensable mentor. Throughout the spring he helped design more workshops and even created an instructional YouTube video for a summer family maker day on telegraphs. During summer 2014 we offered a week-long 3D printing program for teens. Vince was a key instructor, quickly coming up with design prompts for the participants and troubleshooting technical issues. He also helped with Tinkering workshops at local libraries during the summer.

In 2015 Vince again stepped up to help lead our second after school series, Tinkering with Magnets. APM teamed up with Historic Windsor and a Windsor High School team to enter a 3D historic architecture competition. Vince not only joined the team, but also spent time after school making sure that APM’s 3D printer was ready to make test prints of the buildings. Our team won first place! Vince is a 9th grader at Windsor High School and serves as Cadet Commander, Civil Air Patrol NER-VT-007 Catamount Composite Squadron. Thank you Vince!