Robotics And Beyond...

Inspiring young minds in STEM and design

Since 2004 . . . and still growing!

A Connecticut 501(c)3
From our 13 years of observing and learning, we believe that we have developed an approach to STEM and design education that is unmatched in its impact.

We address early learning, K-12, special-needs youth and adults, and career preparation.

We believe that we provide the greatest payback per dollar of support of any not-for-profit in our educational space.

Allow us to show you why.
Our Mission

To help young people

- Thrive in the technological world they encounter
- Discover and develop their talents and passion
- Think and communicate clearly
- Contend with setbacks and be unafraid of failure
- Discover and pursue fulfilling careers
- Aspire to give back as role models and mentors
Our Approach

• An inspiring environment that integrates age, ability, topic, and learning style
• Promote problem-solving and collaboration
• Replace fear of failure with the reward of persistence
• Use tools relevant to careers and education paths
• Role models of peer mentors, college students, and industry professionals from diverse education paths
• Promote mastery of skills and teaching experience
Who We Serve

We address the needs of many different students

- Mainstream
- Special learning needs
- At-risk
- Talented and gifted
- Scouting organizations
- Home schooled
- Social services, libraries, other NFPs

Students come from over 50 towns in a 60 mile radius around New Milford.
What and When

A few of the topics we offer

- Electronics design and fabrication
- 3-D modeling (CAD) and fabrication
- Mechanics of robotics and programming
- Coding in career–relevant languages
- Graphic design and architecture
- Microcontrollers and microcomputers
- Game development and programming

Program Times

- After school and evenings
- School hours (for home school students)
- Weekend workshops and long-term classes
- Summer camp
- School holidays and vacations
A Student’s Path

Early school-age

Middle school

Learning to mentor others

Careers!

Sharing knowledge from college

Post-secondary training (2 and 4 year programs)

Inspiring young minds in STEM and design
Launching Careers and Futures

With deep experience, students find

- confidence in their knowledge and perspective on their field
- ability to navigate assignments, questions, and challenges
- numerous co-op and internship opportunities
- exceptional job success

and MOST IMPORTANTLY

- a start in the RIGHT career area.
Numbers since Founding (2004 - 2015)

- Students in 2004: 11
- Students in 2015: 295
- Total students served: 1,020
- Student activity hours: 27,800
- Student mentors: +110
- High school and college internships: 10
- Peer mentor and intern hours: 9,700
- Topics taught (90% by peer mentors): +55
- Adult volunteers: 54
- Adult volunteer hours: 5,400

Peer mentors and adult volunteers are essential resources.
## Basic Financial Information

<table>
<thead>
<tr>
<th>Income and Expenses</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>($K)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total budget</td>
<td>112</td>
<td>164</td>
<td>250</td>
</tr>
</tbody>
</table>

### Income

<table>
<thead>
<tr>
<th></th>
<th>2015 (%)</th>
<th>2016 (%)</th>
<th>2017 (%)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Program revenue</td>
<td>98 (88%)</td>
<td>128 (78%)</td>
<td>150 (60%)</td>
<td></td>
</tr>
<tr>
<td>Public/private support</td>
<td>14 (12%)</td>
<td>36 (22%)</td>
<td>100 (40%)</td>
<td></td>
</tr>
</tbody>
</table>

### Expenses

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-labor (rent, utilities)</td>
<td>57</td>
<td>71</td>
<td>86</td>
</tr>
<tr>
<td>Payroll labor (full-time director, part-time IT and web, communications)</td>
<td>30</td>
<td>58</td>
<td>115</td>
</tr>
<tr>
<td>Contracted staff (instructors and services)</td>
<td>25</td>
<td>35</td>
<td>50</td>
</tr>
</tbody>
</table>

* Complete financials and more at [Guidestar.org](http://Guidestar.org)
## Budget and Impact (2015)

<table>
<thead>
<tr>
<th>Budget and Impact</th>
<th>2015</th>
<th>Projected</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2016</td>
</tr>
<tr>
<td>Total budget ($K)</td>
<td>112</td>
<td>164</td>
</tr>
<tr>
<td>Impact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total students (est.)</td>
<td>295</td>
<td>345</td>
</tr>
<tr>
<td>Female students</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Special-needs students</td>
<td>53</td>
<td>64</td>
</tr>
<tr>
<td>Peer mentors</td>
<td>60</td>
<td>80</td>
</tr>
</tbody>
</table>

*Nearly all peer mentors continue to college or other training*
Facilities

900 sq. ft. office
National historical-register building in downtown New Milford
Space is far outgrown
Our Goals

1-year:

• Broader topic catalog with deeper content
• Increased student reach in underserved demographics
• Increased space to expand in-house capacity
• Increase ability to meet off-site opportunities
• Stabilize funding of operations and programs

3-year:

• Replicate our model outside local area
Our Needs

- Funding for operational costs and larger facility space
- Program sponsorships
- Tuition support
- Volunteers for instruction and coordination
- Donations of computer equipment upgrades
Robotics & Beyond...

Inspiring young minds AND futures

Take part in something remarkable!