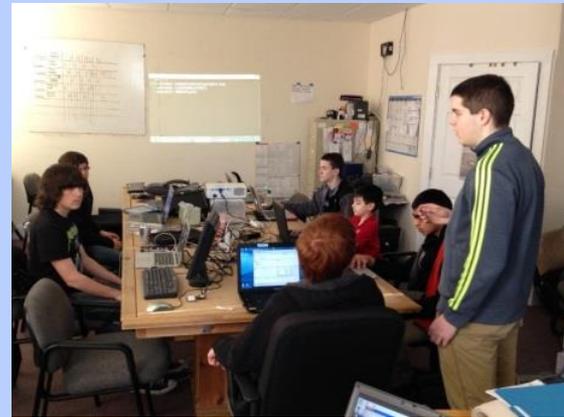


Robotics And Beyond...

Inspiring young minds in STEM and design



Since 2004 . . . and still growing!

A Connecticut 501(c)3

Robotics And Beyond...

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.



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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



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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



Post-secondary training
(2 and 4 year programs)



Sharing knowledge
from college



Careers!

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

	2015	2016	2017
Income and Expenses	(\$K)		
Total budget	112	164	250
Income			
Program revenue	98 (88%)	128 (78%)	150 (60%)
Public/private support	14 (12%)	36 (22%)	100 (40%)
Expenses			
Non-labor (rent, utilities)	57	71	86
Payroll labor (full-time director, part-time IT and web, communications)	30	58	115
Contracted staff (instructors and services)	25	35	50

* Complete financials and more at [Guidestar.org](https://www.guidestar.org)

Budget and Impact (2015)

Budget and Impact	2015	Projected		
		2016	2017	Δ '15 -'17
Total budget (\$K)	112	164	250	123%
Impact				
Total students (est.)	295	345	490	66%
Female students	15	20	30	100%
Special-needs students	53	64	121	128%
Peer mentors	60	80	85	42%

***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



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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 And Beyond...

Inspiring young minds AND futures

Take part in something remarkable!

