



EBMA and STEM Support

To all EBMA Members–

For the safety of all, Electric Boat management continues to limit in-person meetings and events to support ongoing COVID-19 mitigation efforts. Following this guidance, your EBMA administration and Board of Directors has decided to continue to defer our usual in-person dinner meetings. The EBMA leadership team is working hard to develop and offer alternative virtual opportunities to support your professional learning and development.

While these virtual programs are under development, the EBMA has been approached with an opportunity to support the primary EBMA goal of developing and enhancing leadership skills, as well as to foster community activities. There are several Science, Technology, Engineering and Math (STEM) programs where EBMA members are already contributing their time, and EBMA can support its members and community through additional volunteer time and monetary donations to these and other STEM programs.

How?

1 –EBMA encourages EBMA members to volunteer their time and join one of the several STEM outreach programs often hosted by various schools through-out EB localities in any capacity. These volunteer opportunities offer participants the opportunity to practice professional skills like project management, leadership, mentoring, team building, giving/receiving feedback, problem solving, and networking while also supporting the community.

Programs include, but are not limited to:

- FIRST: LEGO Leagues (FLL), Tech Challenge (FTC), and Robotics Competition (FRC)
- Robotics Educator Competition (REC) – VEX Robotics
- Elementary School Invention Conventions
- Science and Engineering Fairs (SEF): Connecticut (CSEF), Massachusetts (MSEF), Rhode Island (RISEF), International (ISEF)
- Other state/regional science/engineering/technology programs and competitions

2 – EBMA has committed \$5000 to donate to eligible STEM programs for the 2021/2022 school year, as follows:

- \$200 per EBMA member per STEM Program
- Up to three STEM programs per member
- \$600 max per EBMA Member, \$1000 max per STEM Program

What To Do?

- Review the STEM Program Websites listed on the last page. Your participation and EBMA donation is not limited to this list.
- Once you have begun participating in a STEM program, submit the following information to EBMA@gdeb.com.
 - Your Name, Badge Number, email
 - STEM Program Name
 - Goal of STEM Program
 - Location that youth organization meets (e.g. school name, address):
 - Website (if any)
 - STEM Program Point of Contact (name, phone, relation to STEM Program):
 - Your role in STEM Program
 - Dates of Operation this school year (2021-2022)
 - Name check to be payable
 - Contact Name and Address for check delivery

To support the EBMA prime directive of leadership development, you are encouraged to participate in an EBMA mentoring program to develop your leadership, team building, giving/ receiving feedback, problem solving, and management skills. To start, choose one or more learning paths (listed below) to enhance your personal and professional development. These learning paths will support the EBMA member leadership development in assisting STEM teams and programs. They are designed to offer members the chance to learn specific leadership skills, and practice those with their STEM teams. All classes are found on EB University's Dive Deeper site <https://electricboat2.intrepidagile.com/class/dive-deeper/> .

EBMA STEM Outreach Learning Paths

- **Innovation and Creativity**
 - 5 Brainstorming Tips
 - Questions to Ask As You Approach a Problem
 - Decision Making Hacks
 - The Five Whys
- **Team Building**
 - 3 Steps of Effective Communication
 - 4 Simple Ways to Inspire Others
 - Four Areas of Emotional Intelligence
 - How You Can Earn Trust
 - Handling Conflict- It's For Your Own Good
- **Project Management**
 - Time Management
 - The Leader's Role in Setting Goals
 - The Art of Influencing Without Authority
 - Delegation Funnel
 - Helping Your Team Focus on What Matters
- **Mentoring/Coaching**
 - Everyday Coaching
 - Introduction to Mentoring
 - Understanding Your Interaction Style
 - Giving Constructive Feedback

To augment the above STEM Outreach Learning Paths, the EBMA Management Development Director, Giana (DiCarlo) Blaise, is also working to develop virtual training and presentations to support this EBMA STEM Outreach initiative, as well as to re-invigorate EBMA leadership development in general. More to follow.

STEM PROGRAM WEBSITES

FIRST – For Inspiration and Recognition of Science

General Website - <https://www.firstinspires.org/robotics/frc>

CT First Robotics Competitions with EB Contacts

Aluminum Falcons FRC 2168 Groton/Fitch HS – Josh Miller

<https://frd-events.firstinspires.org/team/2168>

Cyber Colonels FRC 1740 Ledyard HS – Scott Horler, Kyle Swaidner, Elizabeth Peterson

<https://frd-events.firstinspires.org/team/1740>

Human Error FRC 5746 VR/Deep River – Vic Fetter

<https://frd-events.firstinspires.org/team/5746>

Robocats FRC 1699 Colchester, Bacon Academy – tbd

<https://frd-events.firstinspires.org/team/1699>

STEM Whalers FRC 3719 New London schools et. al. – Aaron Ide, Alex McCullah

<https://frd-events.firstinspires.org/team/3719>

Techno Ticks FRC 236 East Lyme HS /Old Lyme Schools – Ellen Dicarlo

<https://frd-events.firstinspires.org/team/236>

Robotics Educator Competition (REC) – VEX Robotics

General Website – <https://www.roboticseducation.org/>

Invention Convention – many schools participate, Grades K- 12

General Website – <https://www.inventionconvention.org/>

Regeneron International Science and Engineering Fair (ISEF) – Grades 7 – 12

General Website – <https://www.societyforscience.org/isef/>

Affiliated ISEF Fairs near EB

Connecticut Science and Engineering Fair (CSEF) - <https://ctsciencefair.org/>

Massachusetts Science and Engineering Fair - <https://scifair.com/>

Rhode Island Science and Engineering Fair – <http://www.rista.us/risef>