



Overview:

The Royal Institution of Naval Architects is looking to recruit current members of the Profession to join our network of STEM ambassadors.

STEM (Science, Technology, Engineering, and Mathematics) Outreach Programs play a crucial role in inspiring and educating the next generation of scientists, engineers, and innovators. As a STEM Ambassador, you will have the opportunity to engage with students, schools, and communities to promote STEM education and encourage young minds to explore the wonders of science and technology.

Naval Architects and Maritime Engineers must inspire the next generation and captivate their imagination. It is imperative that we provide a clear pathway for all pending designers, entrepreneurs, and innovators to realise the opportunities that exist within our profession.

As a STEM Ambassador you can:

- Volunteer your time to visit schools and colleges.
- Respond to local schools or colleges who want to invite STEM ambassadors to speak to their students.
- Engage with STEM opportunities offered by RINA or local branches.

Key Responsibilities:

There is a wide range of activities that STEM ambassadors can get involved with:

1. Classroom Presentations and Workshops:

Deliver engaging presentations and hands-on workshops in local schools, libraries, or community centres to introduce students to STEM concepts.

Tailor content to the appropriate grade level and learning objectives.

2. Demonstrations:

Conduct interactive experiments, demonstrations, or hands-on activities to make STEM subjects more engaging and understandable for students.

3. Mentorship:

Provide guidance and mentorship to students interested in STEM fields. This can involve offering career advice, sharing personal experiences, and helping students set goals.

Share personal experiences, career insights, and guidance to inspire and inform their future choices.

4. STEM Events and Fairs:

Assist in planning and executing STEM-related events, provide support during these events and help facilitate student participation.

5. Resource Development:

Contribute to the development of educational materials, lesson plans, and activity guides for STEM programs.

Collaborate with educators and program coordinators to ensure the materials align with curriculum standards.

6. Community Engagement:

Engage with parents and community members to raise awareness of the importance of STEM education.

Foster partnerships with local businesses and organizations to expand program reach.

7. Support Teachers

Collaborate with educators to enhance STEM education in schools by providing resources, sharing teaching materials, and assisting with curriculum development.

8. Promote Diversity and Inclusion

Encourage underrepresented groups, including women and minorities, to pursue STEM education and careers.

9. Collaboration

Collaborate with other STEM Ambassadors and organizations to amplify your impact and create a network of support.

10. Continued Learning:

Stay updated on the latest developments in STEM fields to provide accurate and current information.

Person Specification:

1. STEM Background:

A background in a STEM field (science, technology, engineering, or mathematics) is highly desirable but not mandatory. Enthusiasm for STEM subjects and a willingness to learn are essential.

2. Communication Skills

Having effective speaking and writing abilities can be beneficial for expressing information clearly and engagingly, especially when communicating with students.

3. Patience and Empathy:

The ability to work with students of various ages and backgrounds, demonstrating patience and empathy, is essential.

4. Team Player:

Collaborative skills to work effectively with other volunteers, educators, and program coordinators.

5. Availability:

A flexible schedule to accommodate volunteer sessions, events, and workshops during both weekdays and weekends. As a STEM Ambassador volunteer, how much time you can give is entirely down to you. However, in order to remain a registered STEM Ambassador, you must carry out at least one activity per year.

6. DBS Check

For STEM Ambassadors in the UK, a disclosure and Barring Service check will be required to ensure the safety of students. The DBS check will be conducted by STEM UK once you have registered on the STEM Ambassador Portal, and each education establishment will have their own individual policy to what DBS check level is required.

For international members, you will need to comply your local law and regulations around working with children and vulnerable adults.

7. Benefits:

Personal Fulfilment: The opportunity to inspire young minds and make a positive impact on the future of STEM.

Skill Development: Enhance your communication, presentation, and leadership skills.

Networking: Connect with educators, professionals, and like-minded volunteers in the STEM community.

Community Engagement: Be an active participant in promoting STEM education and awareness in your local community.

Time Commitment:

The time commitment for this volunteer role could range from a few hours per week to more extensive involvement during STEM events and fairs. What you chose to volunteer time-wise is completely down to you. All we ask for is an enthusiasm for STEM subjects and a willingness to share your interest, skills and experience,

To maintain being a registered STEM Ambassador, you will need commit to taking part in at least one activity per year.

There will be a welcome and training session run by RINA.

Location:

Volunteer opportunities may be available at local schools, libraries, community centres, and various event venues within your community. Arranging or searching for an activity is done easily using the user friendly [STEM Ambassador Portal](#).

How to Apply:

1. Interested volunteers can contact jmoore@rina.org.uk in the first instance for a discussion. Register online on the STEM Ambassador Portal RINA will then invite all new STEM ambassadors to a welcome and induction session that we ask new STEM ambassadors to complete.

Note:

Volunteers should adhere to all safety guidelines, especially when working with students, and should have a genuine passion for promoting STEM education and inspiring the next generation of STEM leaders.