



Women *in* STEM CONFERENCE

Algonquin Regional High School, Northborough, MA
Saturday, March 24th, 2018
8:30 am – 1:30 pm

The Northboro Junior Woman's Club will be holding its eleventh "Women in Science, Technology, Engineering and Math (STEM) Conference" to give middle school girls the opportunity to explore careers in science, technology, engineering and math. After an opening presentation, the girls will be able to attend four 40 minute interactive hands-on career workshops. Presenters will represent fields such as Forensic Chemistry, Dentistry, Architecture, Nursing, Veterinary Medicine, Teaching, Engineering, and Medical Professions among others. The presenters will explain what they do in their occupation and what sparked their interest in the field, share different tips on courses of study needed for their profession, and provide hands-on exploration/activities.

A luncheon will follow the workshops and offer an opportunity for the students and presenters to continue discussions in a more informal setting.

Registration this year is on-line. Enrollment is limited to the first 180 girls. Please note that choice of the workshops is based on a first come, first served basis. We will try our best to give you your top choices. This program has historically been very popular and always fills to capacity.

Please see the description of the workshops on the following page.

Please go to this link to register:

[2018 NJWC Women in STEM Conference for Middle School Girls](#)

Once registration is completed you will receive a confirmation message stating your registration has been received.

You will also receive an email reminder in the week before the conference.

If you have any questions please contact us via email at: STEM@northborojuniors.org or call Mary Ellen at 774-258-1500 or Sue at 774-249-2880.

NO information collected via this registration will be shared.

2018 Workshops:

Architecture – If you were to explore a day in the life of an architect, it could look radically different from one day to the next. Learn more about the broad array of tasks, projects types, positions, and personalities in this challenging profession. Session will include discussion on technology, education path, salary ranges, and a mock design project.

Chiropractor – The Biochemistry of Super Nutrition – Discuss the nutritional content of different foods, sweeteners, supplements and superfoods. Learn to make smoothies that are not only delicious but powerful for your brain and body.

Conservation Agent – Going Green – Does the field of conservation interest you? In this workshop you'll have the chance to explore the latest and greatest ways to protect the planet as well as various conservation occupations.

Ophthalmologist – Do you see what I see? – How do you become an Ophthalmologist? Look at this medical sub-specialty, find out about the eye and interesting details an Ophthalmologist career involves.

Environmental Health & Safety Engineering – Hazardous for your Health? – Learn about the assessment of worksites for hazard prevention & control; emergency response for hazardous situations; health & safety education and training.

Computer & Electrical Engineer – Virtual Reality – Enter the world of virtual reality in programming games.

Forensic Chemistry – CSI – The application of science to the law; provide assistance in criminal investigations by processing crime scenes and analyzing evidence.

Research Scientist – Drug Design – How does medicine work? What do doctors & researchers need to think about when they develop a new drug? Why are some medicine pills and some are shots? What happens to a pill when you swallow it?

Occupational Therapy – Explore a career in occupational therapy and work with the tools of the trade used to evaluate and assist patients.

Pharmacist – Pharmacy Olympics – Participants will learn about what pharmacists do and get a chance to test their new skills in a Pharmacy Olympics, including "pill" counting, safety skills, real world math problems and language deciphering.

Nursing – Come and hear about the many career choices in nursing – helping patients learn to be healthy and recover from illness. You will have the opportunity to practice some of the skills involved in the nursing profession.

Research Scientist – Discover DNA – What does a research scientist do and what is involved with becoming a research scientist? Join in on a workshop and explore DNA extraction.

Science Teacher – What is involved in teaching science? You won't want to miss this workshop including a lab investigation of DNA finger printing on Gel Electrophoresis.

STEM Educators – Bristlebot Robot – A hands on session with a STEM director and Tech Ed Specialist where you will design and race your own Bristlebot robot.

Veterinarian – Vet for a Day – Delve into a day in the life of a veterinarian.

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