Chatham Marconi TechSmart

Preparing Cape and Islands students for success in a connected world by exploring the power and possibilities of Information Technology.

"The world will change and we will have to change with it."
Grade Four *TechSmart* Participant

TechSmart helps students

- **Know the Story**
- **Learn the Science**
- **Explore the Future**

Chatham Marconi TechSmart

STEM Education for a Wireless World

Program Goals

- Increase knowledge of the history and scientific principles behind today's wireless technology
- Promote the study of science and technology and awareness of STEM career opportunities
- Expand classroom STEM instruction and resources through high-quality lessons in key concepts of physical science
- Supplement instruction with visits to Chatham Marconi Maritime Center
- Promote responsible use of communication technology
- Inspire a spirit of problem solving and innovation through STEM

Program Design

- Classroom visits by Chatham Marconi science and technology instructors
- Grades 4 and 6
- Three or four classroom visits per grade
- Lessons designed to promote student engagement through active learning and depth of STEM content
- Culminates in hands-on museum visit

Classroom Lesson Topics

- Waves and Their Properties
- Sending a Message
- The Early Days of Wireless
- Understanding the Digital Age

Museum Field Trips

At the conclusion of the classroom programs, Chatham Marconi Maritime Center welcomes participating classes to visit our museum galleries which celebrate the history of wireless communication technology, its role in today's wireless world, and innovations of the future.

Chatham Marconi Maritime Center
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