

The goals of the exhibit are:

- To explain to upper elementary and middle school students where radio waves fit into the electromagnetic spectrum and how radio waves are used in modern communications and technologies that affect our everyday life.
- To help upper elementary and middle school students understand more clearly the concept of radio wave propagation and how it is a part of our environment.
- To introduce the concept of space weather, and how solar-driven space weather in the Earth's charged upper atmosphere affects people on Earth using exhibits and programs that teach science concepts about solar activity, space weather, and radio waves.
- To support National Science Standards and the Massachusetts Science, Technology, and Engineering Frameworks calling for scientific inquiry experiences.
- To develop in upper elementary and middle school students critical thinking skills, understanding of the scientific method, cooperative learning skills, and to heighten their awareness and interest in their world.