Welcome to our presentation

📻 Introduce the **Making Waves** project's big ideas and themes

📻Share how educators can use our **hands-on activities** shared through the **NISE Network**

📻Share our interactive adventure story app called **Whispers in the Wind** and our website **Radioeverywhere.org**

MAKING WAVES with radio

BSCS Science Learning
Colorado Springs, CO

Children's Creativity Museum
San Francisco, CA

Sciencenter
Ithaca, NY

Museum of Life and Science
Durham, NC

Community Partners

El Centro Hispano
Durham, NC

Science & Visitor Center

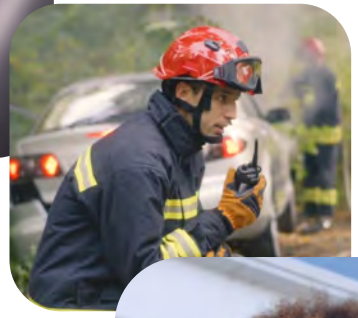
Arecibo Observatory
Arecibo, Puerto Rico

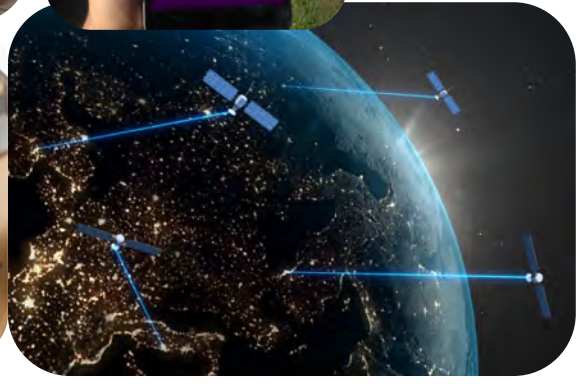
BSCS SCIENCE LEARNING

NISE NATIONAL INFORMAL STEM EDUCATION NETWORK

NSF

What is radio?





MAKING WAVES with radio

Why radio?

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with radio

Radio signals are everywhere and are all around us.

To participate, everyone in society should have a basic understanding of the science of radio, how radio frequency communications technologies work, and envision new possibilities for our future with radio technologies.

Radio literacy is important!

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with radio

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Project Themes

Physics of Radio

Radio Communication Technology

Radio in Society

5 Big Ideas in Radio Frequency Communications

SCIENCE

TECHNOLOGY

SOCIETY

1. Electromagnetic radiation is all around at all times.
2. Radio waves transfer energy that can be reflected, absorbed, or passed through materials.
3. Engineers create technologies to securely encode and decode information carried by radio waves.
4. Making radio technology equitable requires all of our voices.
5. Radio innovations may create surprising ways to communicate in the future.

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Physics of Radio

Radio Explorers

Messages from Space

Sound Detc.

Radio Explorers

Radio Silence

Radio Communications Technology

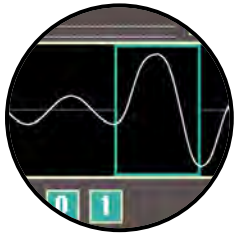
Radio Explorers

Wi-Fi Detective

Wi-Fi Detc.

Web Interactive

Parity Blitz



Web Interactive

Operation Modulation

Radio in Society

Radio Futures

You Decide

Radio Futures

I Spy Radio

Mobile App

Whispers in the Wind

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Making Waves Activities

nisenet.org/radio

Radio Explorers

Radio Silence

Messages from Space

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Making Waves Activities

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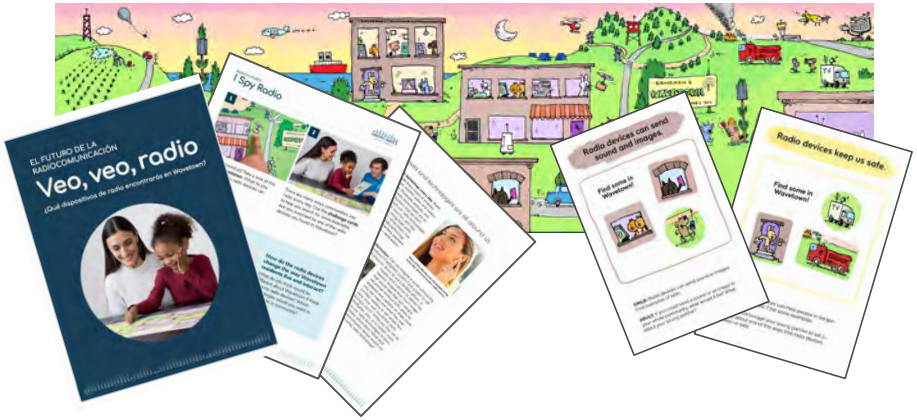

Activities Include:

+Activity guide
+Facilitation guide
+All printable materials
+Spanish versions
+Mobile apps
+Activity training videos
+Content training video

NISE
NATIONAL INFORMAL STEM EDUCATION NETWORK

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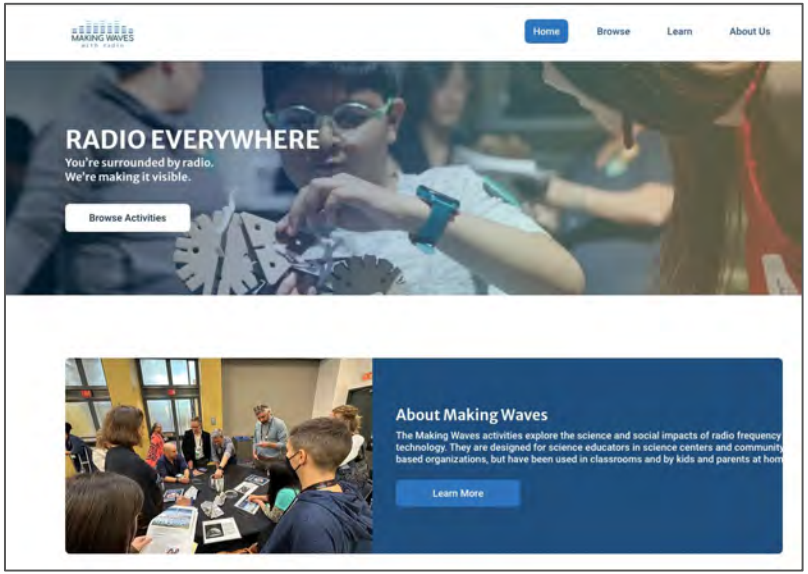
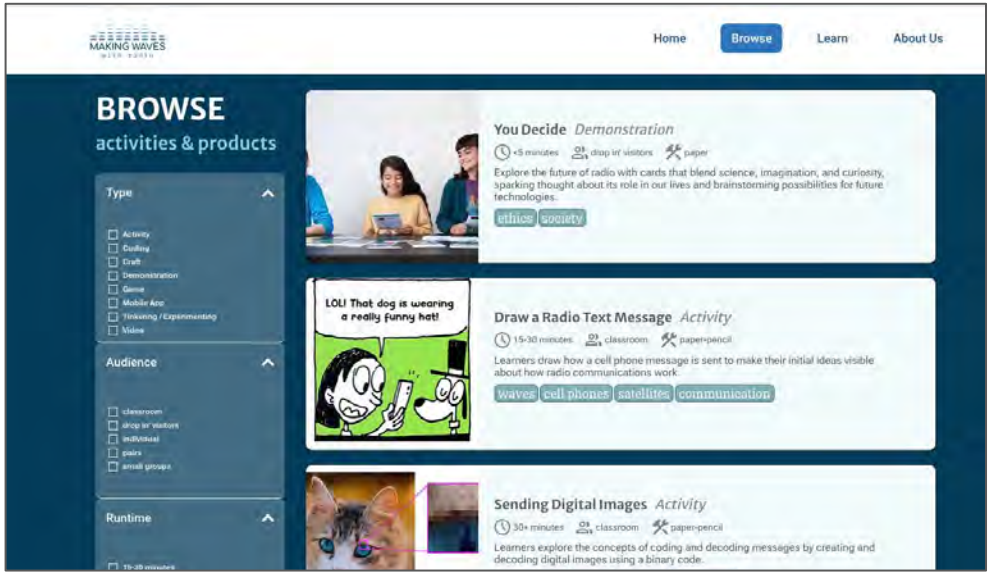
Radioeverywhere.org

- New comprehensive website
- Browse features along with thematic categorization





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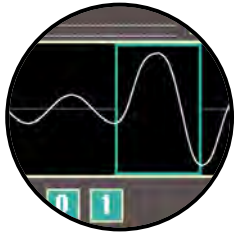
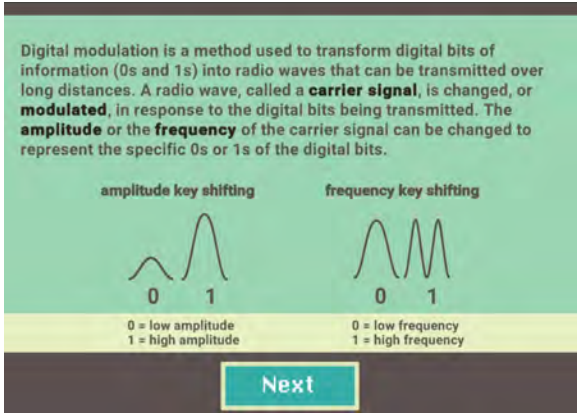
Radioeverywhere.org

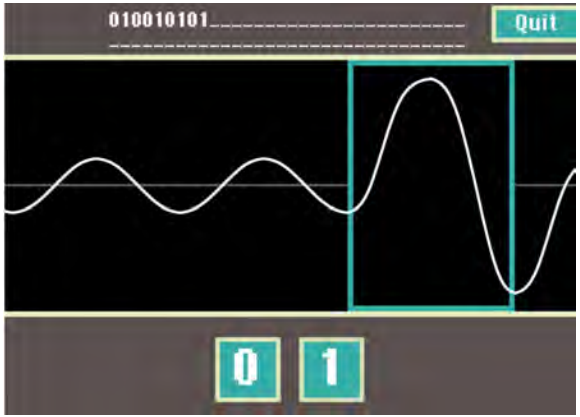
Web interactives to showcase digital radio

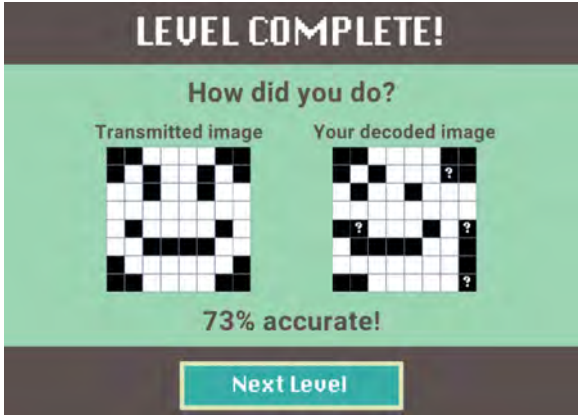


Web Interactive

Operation Modulation







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Interactive Story App

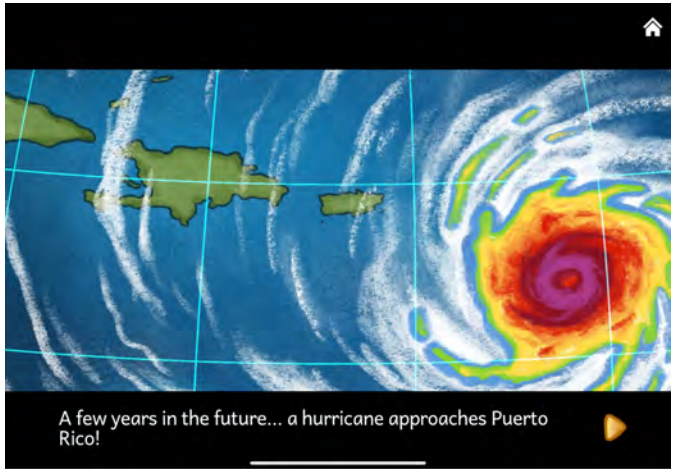
- Phones & tablets, Apple & Android
- Awareness of Radio in your everyday life
- Reflected overall learning objects of the projects

GET IT ON Google Play

Download on the App Store

English + Español

MAKING WAVES with radio



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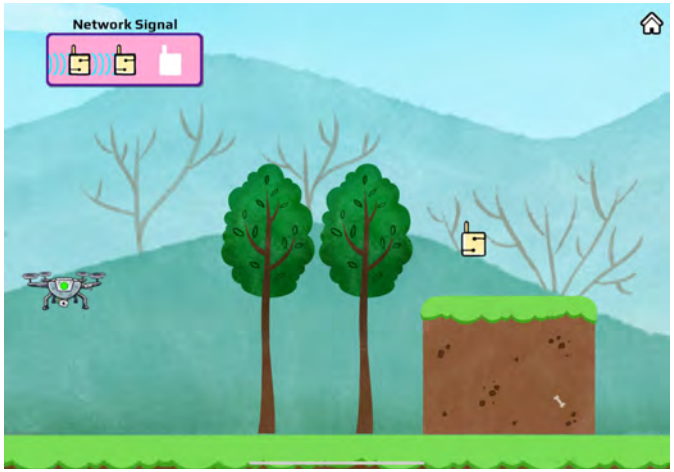

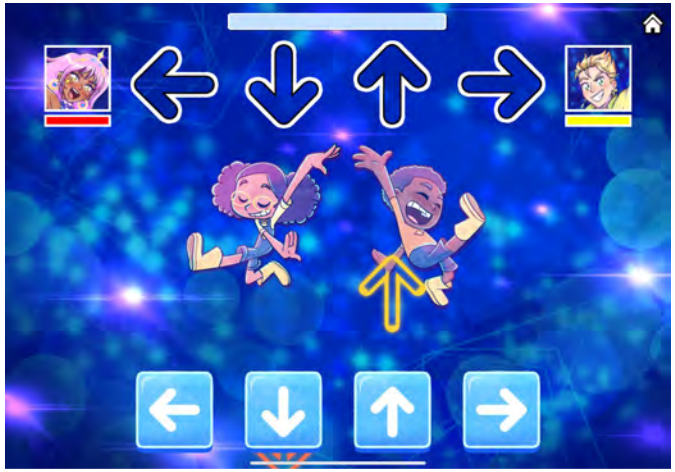

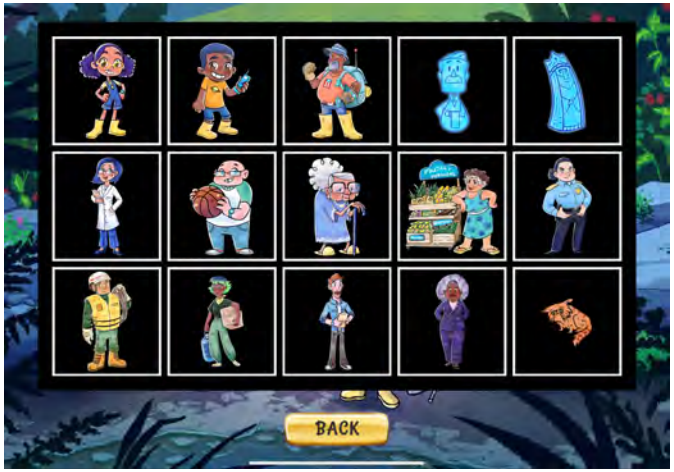

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Thank You

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