

RADIO FUTURES

I Spy Radio

What radio devices will you find in Wavetown?





Radio is all around us! Take a look at this drawing of **Wavetown**. What do you notice? How many radio devices can you find?

There are many ways communities use radio every day. Use the **challenge cards** to help you search for some examples. Are you surprised by any of the radio devices you found in Wavetown?



How do the radio devices change the way Wavetown residents live and interact?

What do you think would be different about Wavetown if there were no radio devices? Which technologies would you want in your home or community?



Radio waves and technologies are all around us.

People use radio technology every day. Radio technologies include many types of wireless devices, ranging from AM/FM radios and walkie-talkies to cell phones, Bluetooth earbuds, and Wi-Fi routers. These radio technologies are so common in many communities that we don't always notice them. People use radio technologies to communicate, navigate, have fun, and stay safe. You may have quickly recognized some of the devices in Wavetown, while others may have surprised you. All the radio technology in Wavetown—including contactless payment systems, radar, and televisions—send and/or receive radio waves.



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Many of the devices you see people using every day send and receive radio waves.

Radio waves are used to carry information. Can you imagine a world without the radio technologies you found in Wavetown? Firefighters couldn't use a radio to call in for extra help—they would have to knock on doors to use a landline phone, or

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maybe send a person to deliver the request. Imagine how much longer that would take than just using a cell phone! Without GPS, pilots on airplanes and captains on ships could only use maps and what they saw out their window to tell where they were. How well would that work during a storm? While you may not be a firefighter, pilot, or a captain, many of us use radio technologies to learn and share information. What kind of communication device would you design using radio technology?

Emergencies often require firefighters to update others using radio technologies.

