

Step 2. Dig into the Problem

Important Vocabulary	
Design Thinking	a multi-step process of solving a problem where you imagine an ideal solution , research the problem to understand it better, revise your idea, develop a prototype, and test it
Iteration	changing your plan to make it better based on new things you learn
Prototype	a first, real-life example of a new idea
Mobile Technology	technology related to cell phones and wireless communication devices
Cellular Network	how cell phones stay connected to each other when they are not connected to wi-fi
Natural Hazard	an extreme natural event such as an earthquake, tornado, wildfires, and flooding
Natural Disaster	the effects of a natural hazard on human life and society
Mitigate	to decrease the effects of something

Storms and Natural Disasters



Ready.gov

<https://www.ready.gov/kids>



National Weather Service: Safety

<https://www.weather.gov/safety/>



National Weather Service: Learn Science and Safety with Owlie

<https://www.weather.gov/owlie/>



Environmental Protection Agency

<https://www.epa.gov/natural-disasters>

Mobile Technology

Introduction to US Cellular and Cellular Networks



See Wireless Fundamental PowerPoint and
Wireless Fundamentals FAQ



Wireless 101: Cellular Transmission

<https://www.youtube.com/watch?v=HtCBsULS2VA&feature=youtu.be>

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Four Reasons Your Phone Keeps Dropping Calls

<https://electronics.howstuffworks.com/4-reasons-phone-keeps-dropping-calls.htm>



How Cell Towers Work: Hands On!

<https://www.youtube.com/watch?v=Ct0wFde9Xcl>

Using Mobile Technology During and After Disasters

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Hurricane Florence's Impact on Mobile Networks

<https://www.opensignal.com/blog/2018/10/24/hurricane-florences-impact-on-mobile-networks-lasting-for-days>



**Mobile Phones as Lifelines for Staying Connected
During a Disaster**

<https://www.cnet.com/news/mobile-phones-as-lifelines-tips-for-staying-connected-during-a-disaster/>



Federal
Communications
Commission

Federal Communications Commission

<https://www.fcc.gov/emergency>

