Step 2. Dig into the Problem in Houston, TX

| 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
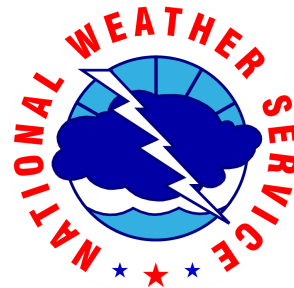
National Weather Service: Safety
https://www.weather.gov/safety/

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

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=Ct0wFde9XcI

Using Mobile Technology During and After Disasters

Hurricane Florence's Impact on Mobile Networks
https://www.opensignal.com/blog/2018/10/24/hurricane-florences-impact-on-mobile-networks-lasted-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
https://www.fcc.gov/emergency

Shelters

American Red Cross

American Red Cross Disaster Relief
https://www.redcross.org/about-us/our-work/disaster-relief.html

NATIONAL MASS CARE STRATEGY

National Mass Care Strategy: American Red Cross Shelter Forms
https://nationalmasscarestrategy.org/american-red-cross-shelter-forms/

FEMA

Federal Emergency Management Agency: Community Safe Rooms
https://www.fema.gov/media-library-data/1482263207061-f439680edcd403c72447a5b612867e18/Community-Safe-Room-Fact-Sheet_2016.pdf

TEXAS TECH

Texas Tech University: Safety Checklist
http://www.depts.ttu.edu/nwi/education/Education_Resources/index.php
(Scroll to Bottom)

Community Communication and Collaboration

YourFreeCareerTest

Your Free Career Test: What is an Emergency Management Director?
https://www.yourfreecareertest.com/emergency-management-director/

NSSL

National Severe Storm Laboratory
https://www.nssl.noaa.gov/research/social/
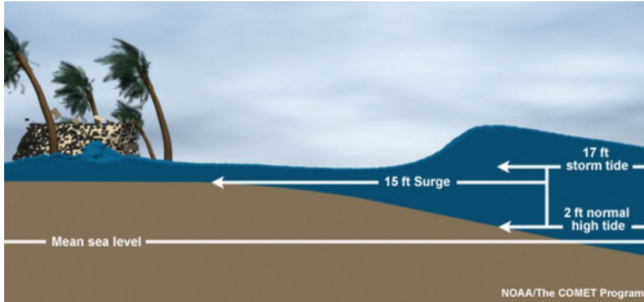
Houston Resources	
 ReadyHouston https://www.readyhoustontx.gov/	 **ReadyHarris** https://www.readyharris.org/
 NOAA/National Hurricane Center: Storm Surge Overview https://www.nhc.noaa.gov/surge/#FACTS	