**Risk Education: Module 8 - Risk & Natural Hazards**

*Objectives*

* Describe what a natural hazard is and the associated risks it presents
* Provide reasons why people might choose to accept risky situations
* Explore decision-making strategies used to

*Resources*

* Games
  + UNDRR Interactive Video Game - "Stop Disasters!": <https://www.stopdisastersgame.org/>
  + Legends of Learning Natural Hazards Science Games: <https://www.legendsoflearning.com/learning-objectives/natural-hazards/>
  + “Build a Kit” Disaster Management game: [Build a Kit (ready.gov)](https://www.ready.gov/kids/games/data/bak-english/index.html)
* [Extreme Event Simulation Game | LabX](https://labx.org/games/extreme-event)
* “5 Natural Disasters that Could Happen by 2030”: <https://youtu.be/TdI4Gge9fx4>
* Billion Dollar Disasters – NOAA: <https://www.ncdc.noaa.gov/billions/events>
* Advanced Video Material: Watch “When the Levees Broke” (On Hulu, Amazon Video) - YouTube link: <https://youtu.be/VjFCv6JvZnU>
* Moderate Reading Material: *“More Than Half Of U.S. Buildings Are In Places Prone To Disaster, Study Finds”* – NPR: <https://www.npr.org/2021/06/23/1009062465/more-than-half-of-u-s-buildings-are-in-places-prone-to-disaster-study-finds>

*Discussion Topics and Activities*

* Are there particular natural hazards that are more concerning? Why?
* Have students discuss items that they need for an emergency kit
  + Alternatively, the “Built a Kit” resource (above) is a great way to build knowledge

*Potential Courses Where the Module could be Utilized*

* Earth and Space Science (ESS.ESS2)

*Applicable Tennessee Education Standards*

* Social Studies
  + SSP.04: Construct and communicate arguments citing supporting evidence
* Science
  + EES2: Earth’s Systems
  + EES3: Earth and Human Activity
  + ETS2B: Influence of Engineering, Technology, and Science on Society and the Environment
  + Cross-cutting concepts
    - Cause & Effect
    - Stability and Change

**Module 10: Flood Risk**

* "Why does Jakarta Flood So Easily? - CrashCourse Geography: <https://www.youtube.com/watch?v=HDvS2rQZXMc>
* Optional Reading:  [Building a Better Levee | WIRED](https://www.wired.com/2005/09/building-a-better-levee/)
* Advanced Reading Material :