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Disasters Happen: Are you Ready?

Heather Braucher
Justus-Tiawah Schools
hbraucher@justustiawah.com
heather.braucher@yahoo.com
OKAGE, Teacher Consultant

Disasters Happen: Are You Ready?

Grade Level:
6th – 7th

Purpose/Overview:
Students will investigate natural disasters, discover the urgency to be prepared, and create an emergency kit which they will present to the class.

National Geography Standards from *Geography for Life*
Geographic Elements & Standards:
V. Environment & Society
15. How physical systems affect human systems

Oklahoma Academic Standards for the Social Studies:
World Geography: Western Hemisphere
Grade 6
CONTENT SKILLS
6.3 The student will identify the characteristics, distribution, and demographic patterns of human populations and systems of the Western Hemisphere.
6.1.5 Describe and analyze the role of geographic factors on current events and issues.
6.4.3 Analyze the impact of climate and natural disasters on human populations, including forced migration, scarcity of consumer goods, economic activities, and loss of life.
World Geography: Eastern Hemisphere
Grade 7
CONTENT SKILLS
7.4 The student will analyze the interactions of humans and their environment in the Eastern Hemisphere.
7.4.1 Analyze the impact of climate events, weather patterns and natural disasters on human populations and the environment, resulting in forced migrations, scarcity of consumer goods, economic activities, and loss of life.

Geographic Themes:
Human-Environmental Interaction

Objectives:
1. Students will gain an understanding of natural hazards.
2. Students will research facts to analyze a specific natural disaster.
3. Students will organize data and apply the information to a prototype for demonstration to peers.

Materials:
Computer/LCD projector
Access to computer lab with Internet
Copies of following documents (included in lesson) for all students:
Disasters Happen Are You Ready? PowerPoint presentation
Disasters Happen Are You Ready? Student Research Handout
Disasters Happen Are You Ready? Student Inventory List/Rubric

Time Frame:
3-4 50-minute periods

Procedures:
BEFORE LESSON BEGINS

1. The teacher will make copies of all student handouts and rubrics or upload to a digital message board.
2. The teacher will reserve one 50-minute period for digital research.

SESSION ONE

3. The teacher will explain the lesson, its purpose, and the required supplies.
4. The teacher will show *Disasters Happen: Are You Ready?* PowerPoint presentation.
5. The teacher will hand out *Disasters Happen: Are You Ready?* Student Research Handout.
6. The student will be assigned a specific natural disaster and write the name of it on the handout.
7. The teacher will instruct the students to conduct digital research the following class period.

SESSION TWO

8. The teacher will instruct the students to research an assigned disaster and gather information according to the handout.
9. Students will use the Internet and/or books to gather information on the assigned region.
10. Students will continue research on natural disasters while the teacher continually monitors and make suggestions as needed.
11. Before students leave, the teacher will hand out *Disasters Happen: Are you Ready?* Student Inventory List and remind students to begin gathering emergency kit items.
12. The teacher will instruct the students that the kits will be due in 5 school days and that photos of items or a digital kit are acceptable.

SESSION THREE

13. On the day of presentations, the teacher will organize the order of presentations and arrange a space for presenting items.
14. Students with similar disasters will present chronologically.
15. The teacher will use grading rubric to assess students' kits and presentations.

Assessment Options:
See *Disasters Happen Are You Ready?* Student Inventory List/Rubric

Resources:
Disaster Education Kyoto University
http://www.unisdr.org/files/12088_123sm.pdf
USA Aid Government Report
https://www.usaid.gov/sites/default/files/documents/2155/Natural%20Disasters%20Report%20FINAL.pdf
There is a need for more education on disasters
http://www.preventionweb.net/files/7560_DisasterEducation.pdf
Oklahoma Health and Safety Education Objectives
https://sde.ok.gov/sites/ok.gov.sde/files/documents/files/Health%20Standards%20-%20for%20Legislature.pdf
Ready.gov
https://www.ready.gov/kit
Jamie Lee Curtis Red Cross Video

https://www.youtube.com/watch?v=5wWyVTPitXI
72 hour emergency kits video
https://www.youtube.com/watch?v=bY_svTltiD8
Parent/Child emergency backpacks video
https://www.youtube.com/watch?v=y9HCLTQ-Xck
Coronavirus: What does it mean for natural disaster response?
https://www.bbc.com/news/world-us-canada-52539724
Warning Siren mp3 sound clip
http://soundbible.com/1355-Warning-Siren.html
Phone Apps that can save lives
https://www.bbc.com/future/tags/naturaldisaster
Shelter in Place
https://emergency.cdc.gov/shelterinplace.asp
Shelter in Place checklist
https://nsem.info/sites/default/files/sip-residence-checklist.pdf
USGS Teacher Resources for grades 6-8
https://www.usgs.gov/science-support/osqi/yes/resources-teachers/grade-6-8-natural-hazards
SCIPP A NOAA RISA Team includes University of Oklahoma collaborators
http://www.southernclimate.org/
Suggested student research sites:

a. https://www.ready.gov/kids/disaster-facts
b. https://www.cdc.gov/disasters/index.html
c. https://www.redcross.org/get-help/how-to-prepare-for-emergencies/types-of-emergencies.html
d. https://www.redcross.org/store/preparedness/emergency-kit
e. http://lifehacker.com/5976362/the-complete-guide-to-what-to-do-before-during-and-after-a-disaster
f. https://oeta.pbslearningmedia.org/resource/ess05.sci.ess.earthsys.lp_nathazards/natural-hazards/
g. https://www.youtube.com/playlist?list=PL720Kw_OojlLXAc3P4kZMAbaQiyYCSXit
h. https://nsem.info/sites/default/files/sip-residence-checklist.pdf
i. https://emergency.cdc.gov/shelterinplace.asp

Extension and Enrichment/Simplification:
Students may choose to create a virtual kit and or assemble a kit at home and share a video of the contents.
Students may choose to display and/or present the emergency kits to students in a lower grade level in order to demonstrate the importance of preparation and safety.
Special education or ELL students may create a kit as a group or make a general list of items needed for all natural disasters.
Students could research and propose a solution to disaster relief and recovery in their own home town or region.

Connections:
Oklahoma Academic Standards for Health Education:
GRADES 6-8
HEALTH LITERACY
Standard 3: Students will demonstrate the ability to access valid information, products and services to enhance health.

3.8.2 Access valid health information from home, school, and community.

RESPONSIBLE HEALTH BEHAVIOR
Standard 6: Students will demonstrate the ability to use goal-setting skills to enhance health.

6.8.2 Develop a goal to adopt, maintain, or improve a personal health practice.

HEALTH ADVOCACY
Standard 8: Students will demonstrate the ability to advocate for personal, family and community health.

8.8.2 Demonstrate how to influence and support others to make positive health choices.

8.8.3 Work cooperatively to advocate for healthy individuals, families, and schools.

https://sde.ok.gov/sites/ok.gov.sde/files/documents/files/Health%20Standards%20-%20for%20Legislature.pdf