

2nd grade

10/27/2022

Lesson Objectives:

- Identify materials that are natural and man made
- Locate items around them that are natural and man made
- Identify what natural materials led to man made items

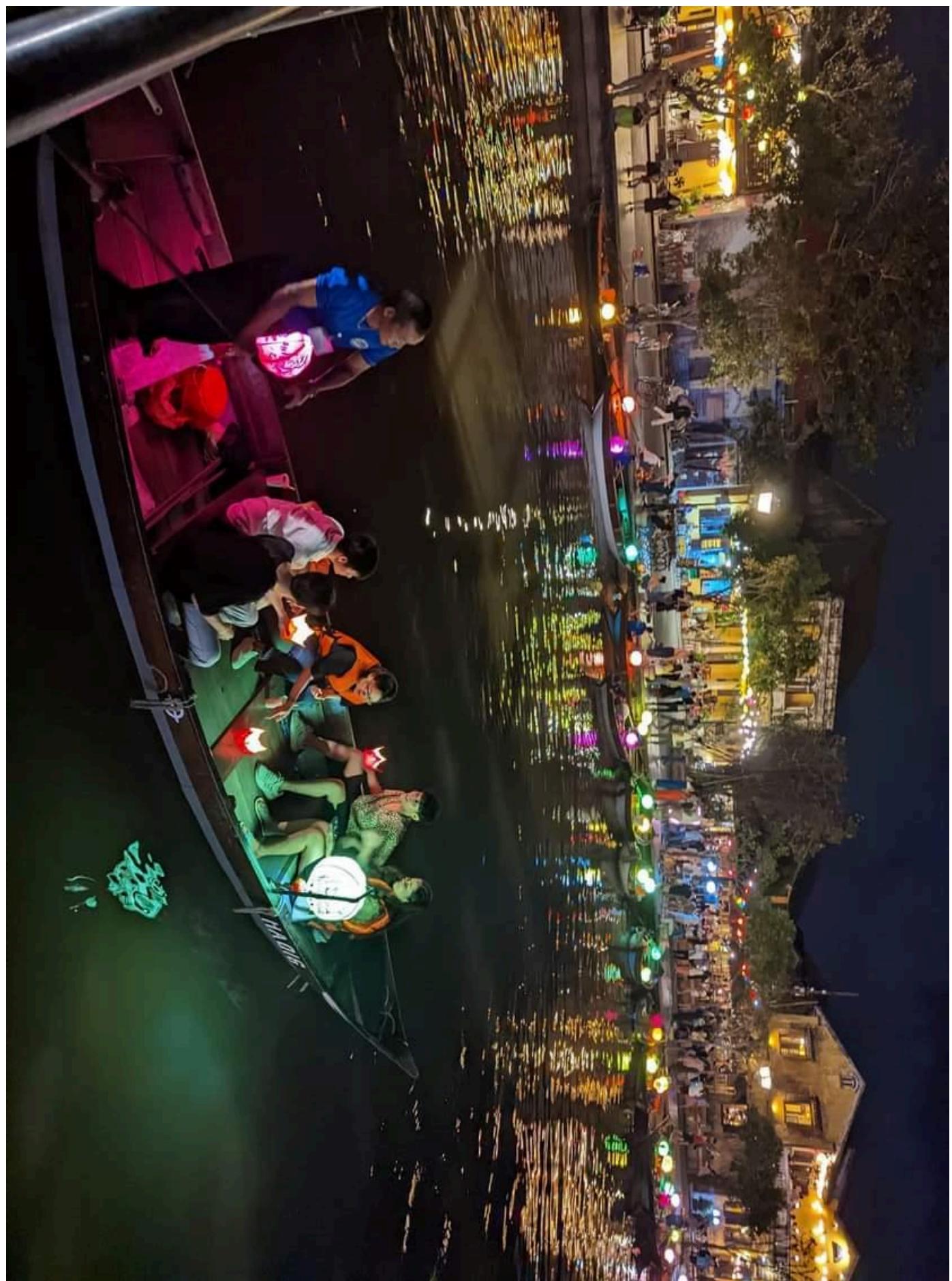
Routine	Plans/Activities	Resources
Opening	Read Natural or Man Made by Kelli Hicks on Epic https://www.getepic.com/app/read/18886	<ul style="list-style-type: none"> • Videos to choose from: https://www.youtube.com/watch?v=UL9ALqqqWFo • https://www.youtube.com/watch?v=LVYybfZ7qrw • https://www.youtube.com/watch?v=6t4IU2-GKvs (song) • Time to climb on Nearpod • textbook pages • Getepic.com book • pictures, paper, markers • teacher ipad • other game ideas: • https://wordwall.net/resource/1928751/natural-and-man-made • https://www.tinytap.com/activities/gp48/play/natural-or-man-made
Main Activities	<ul style="list-style-type: none"> • Pictures: What is man made? What is natural? • Watch video about man made vs natural resources • Pause video and search the room to find materials from video • Centers <ul style="list-style-type: none"> ◦ Nearpod game: https://app.nearpod.com/?pin=Z6HSJ ◦ picture ID with chart ◦ Sketchnote for items list 	
Homework	Walk around your home and neighborhood and find 3 natural items and items made from that natural thing (example: trees and paper, or rocks and rock walls)	Lesson slides

Challenge description: Identify man made and natural items

Science	Man-made vs Natural products
Technology	Slides, video, online book, pictures, sorting game
Reading	Natural or Man Made by Kelli Hicks
Engineering	identifying man made structures and items
Art	photography study
Mathematics	more than less than, items in picture, use in sentences "There are more man made items in the picture"







5th grade

10/27/2022

Lesson Objectives:

- identify and explain the four key parts of the water cycle

The Roles of Water in Earth's Surface Processes

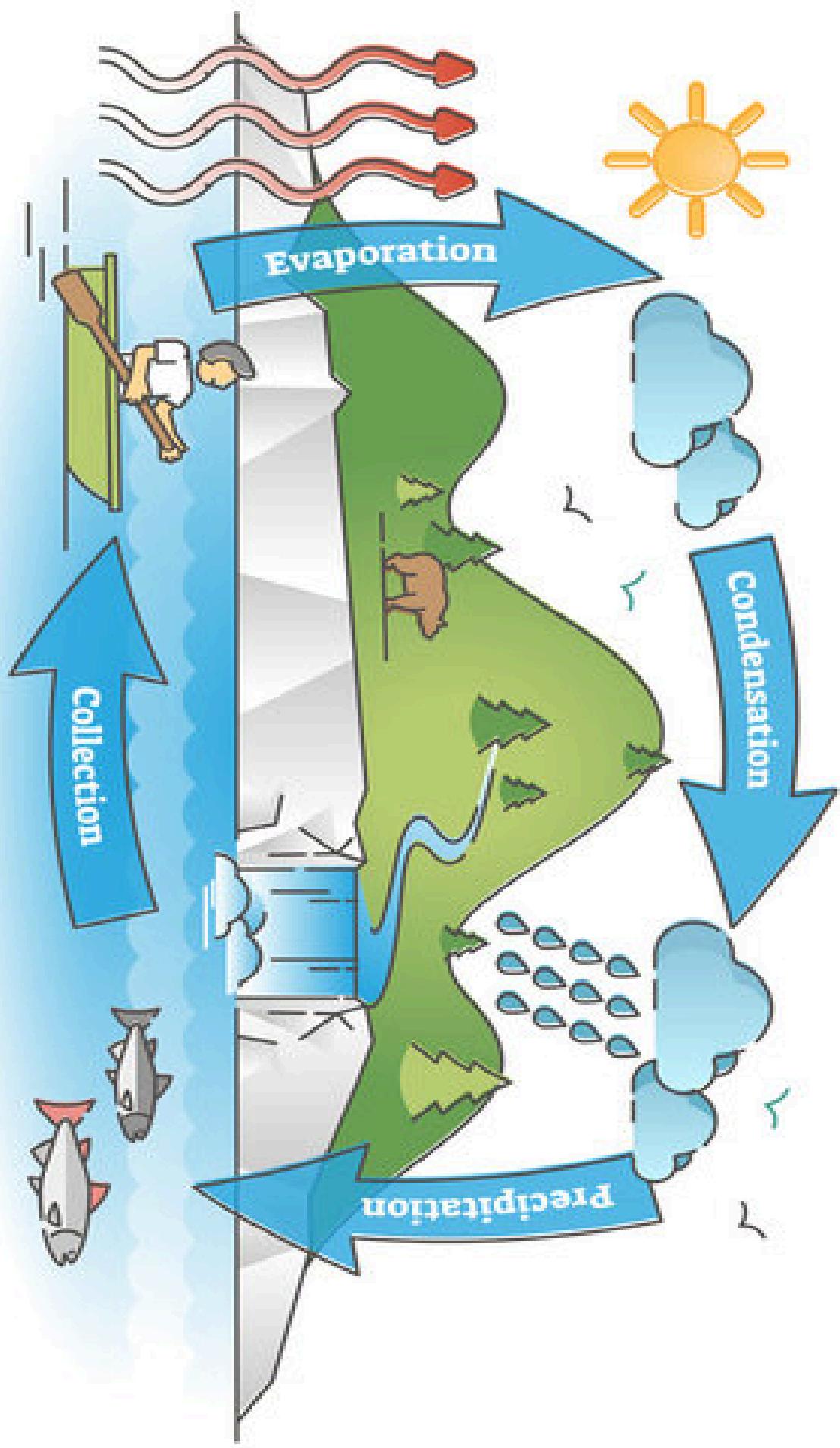
- Water continually cycles among land, ocean, and atmosphere via transpiration, evaporation, condensation and crystallization, and precipitation, as well as downhill flows on land.

Routine	Plans/Activities	Resources
Opening	Play Flocabulary video Water Cycle as students enter room	<ul style="list-style-type: none"> • textbook • Epic book: https://www.getepic.com/app/read/48450 • Go Noodle Song: https://www.youtube.com/watch?v=KM-59ljA4Bs • Flocab: https://www.flocabulary.com/unit/water-cycle/ • Brainpop: https://www.brainpop.com/science/earthsystem/watercycle/movie • another song: https://www.youtube.com/watch?v=TWb4KIM2vts • game: https://www.educationsouthwater.com.au/resources/natural-water-cycle-game
Main Activities	<ul style="list-style-type: none"> • Introduce sketchnoting • Check out textbook page • highlight 4 key words • read book on Epic, add to sketchnote • listen to Go Noodle song, add to sketchnote • Share ideas with each other/ sketchnotes if comfortable • Charades/Create movements to demonstrate each part of water cycle • Create water cycle bag • If time play online water cycle game 	
Homework	Place bag in window at home and watch what happens	Lesson slides

Challenge description: Create movements to help remember the water cycle.

Science	water cycle
Technology	videos, slides, game
Reading	epic book
Engineering	water cycle model with bag
Art	sketchnote, water cycle bag
Mathematics	create 4 square and bag, spatial recognition and reasoning

WATER CYCLE



4th grade STEM

10/28/2022

Lesson Objectives:

- Define the drag (air resistance)
- Explain how a parachute work

Routine	Plans/Activities	Resources
Opening	Share key words for the day and ask what they think we might be learning about.	<ul style="list-style-type: none"> • GetEpic book: https://www.getepic.com/app/read/6106 • Videos: https://www.youtube.com/watch?v=w4Jgh9V9gwE (how to make) https://www.youtube.com/watch?v=vZYwsAvHgVw https://www.youtube.com/watch?v=t0fBRpzB5n4 https://www.youtube.com/watch?v=nVf8Qli0mnM kids skydiving https://www.youtube.com/watch?v=bNRtS9HH_8o kid skydiving
Main Activities	<ul style="list-style-type: none"> • Show kids skydiving • Read How do parachutes work on Epic • Predict and test crumpled paper and flat paper drop: which falls slowest • Share criteria and task • Make, test, rework • reflect 	
Homework		Lesson slides

Challenge description: Create a parachute

Science	drag, gravity, air resistance
Technology	slides, video, book online
Reading	GetEpic How Parachutes work
Engineering	build parachute
Art	Da Vinci design
Mathematics	timing parachute drop, distance dropping

5TH STEM

10/28/2022

Lesson Objectives:

- Students will be able to use the design process to create something to help during a flood, example levee, food resistant housing, etc

Routine	Plans/Activities	Resources
Opening	Show Brainpop video What is a Flood	Books: https://www.getepic.com/app/read/33761 https://www.getepic.com/app/read/11971 https://www.getepic.com/app/read/58699 video: https://www.brainpop.com/science/earthsystem/floods/movie
Main Activities	<ul style="list-style-type: none"> Show floods in Miami and floods in DaNang Read Epic book Hurricanes by Andrea Rivera Brainstorm what engineers, inventors, and scientists can do to help Look at pictures of levees, flood walls, bridges, DaNang flood zones Challenge: Design, Create, Build, Test 	
Homework	Look for levees and floodwalls around your home and around DaNang	slides for lesson

Challenge description: Create a levee or flood wall to prevent flooding.

Science	Floods and Hurricanes
Technology	Slides, videos, pictures
Reading	Hurricanes by Andrea Rivera
Engineering	Building a levee or flood wall
Art	Designing and drawing solution, in book use of art after hurricanes
Mathematics	levels of hurricanes, height of levee or wall