

2nd grade

| 10/27/2022 Lesson Objectives: <ul style="list-style-type: none">• 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 | | |
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| 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=UL9ALqggWFO• https://www.youtube.com/watch?v=LVYybfZ7qrw• https://www.youtube.com/watch?v=6t4IU2-GKvs (song) |
| 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 | <ul style="list-style-type: none">• 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 |
| 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 | |
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| 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" |







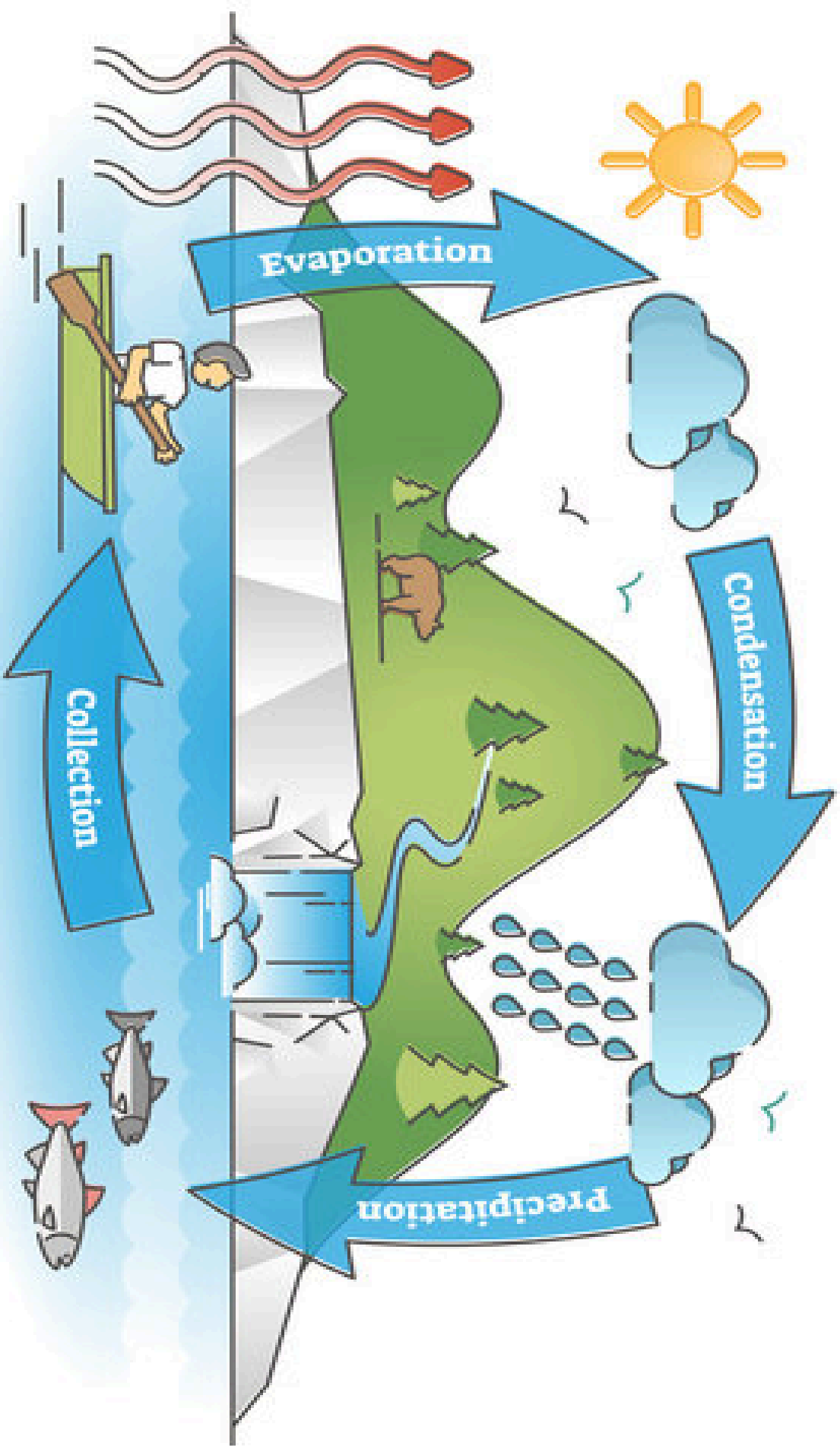
5th grade

| 10/27/2022 Lesson Objectives: <ul style="list-style-type: none">• identify and explain the four key parts of the water cycle The Roles of Water in Earth's Surface Processes <ul style="list-style-type: none">• Water continually cycles among land, ocean, and atmosphere via transpiration, evaporation, condensation and crystallization, and precipitation, as well as downhill flows on land. | | |
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| 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.educationsoftheeastwater.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.

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| 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: <ul style="list-style-type: none"> Define the drag (air resistance) Explain how a parachute work | | |
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| 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=tofBRpzB5n4 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 | |
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| 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: <ul style="list-style-type: none"> Students will be able to use the design process to create something to help during a flood, example levee, food resistant housing, etc | | |
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| 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 |
| 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 | video: https://www.brainpop.com/science/earthsystem/floods/movie |
| 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.

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| 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 |