

Worth County Elementary
4th Grade Science Q1 Pacing Guide 2022-2023

Week	Dates	Unit Topic	Georgia Standard of Excellence	Overview of Lessons Taught
1	8/4 - 8/5 & 8/8 - 8/12	Water Cycle	S4E3 Obtain, evaluate, and communicate information to demonstrate the water cycle.	-Plan and carry out investigations to observe the flow of energy in water as it changes states from solid (ice) to liquid (water) to gas (water vapor) and changes from gas to liquid to solid.
2	8/15 - 8/19	Water Cycle	S4E3 Obtain, evaluate, and communicate information to demonstrate the water cycle.	-Plan and carry out investigations to observe the flow of energy in water as it changes states from solid (ice) to liquid (water) to gas (water vapor) and changes from gas to liquid to solid. -Develop models to illustrate multiple pathways water may take during the water cycle (evaporation, condensation, and precipitation). *Clarification statement: Students should understand that the water cycle does not follow a single pathway.
3	8/22 - 8/26	Water Cycle	S4E3 Obtain, evaluate, and communicate information to demonstrate the water cycle.	-Plan and carry out investigations to observe the flow of energy in water as it changes states from solid (ice) to liquid (water) to gas (water vapor) and changes from gas to liquid to solid. -Develop models to illustrate multiple pathways water may take during the water cycle (evaporation, condensation, and precipitation). *Clarification statement: Students should understand that the water cycle does not follow a single pathway.
4	8/29 - 9/2 Unit 1A Test- 8/31 Water Cycle	Water Cycle Weather	S4E3 Obtain, evaluate, and communicate information to demonstrate the water cycle. S4E4.a. Obtain, evaluate, and communicate information to predict weather events and infer weather patterns using weather charts/maps and collected weather data. patterns and seasonal changes.	--Plan and carry out investigations to observe the flow of energy in water as it changes states from solid (ice) to liquid (water) to gas (water vapor) and changes from gas to liquid to solid. -Develop models to illustrate multiple pathways water may take during the water cycle (evaporation, condensation, and precipitation).

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				-Construct an explanation of how weather instruments (thermometer, rain gauge, barometer, wind vane, and anemometer) are used in gathering weather data and making forecasts. Recognize weather instruments (tools) to collect and analyze data.
5	9/5 - 9/9 Labor Day	Weather	S4E4.a. Obtain, evaluate, and communicate information to predict weather events and infer weather patterns using weather charts/maps and collected weather data. patterns and seasonal changes.	-Plan and carry out investigations to observe the flow of energy in water as it changes states from solid (ice) to liquid (water) to gas (water vapor) and changes from gas to liquid to solid. -Develop models to illustrate multiple pathways water may take during the water cycle (evaporation, condensation, and precipitation). -Construct an explanation of how weather instruments (thermometer, rain gauge, barometer, wind vane, and anemometer) are used in gathering weather data and making forecasts. Recognize weather instruments (tools) to collect and analyze data.
6	9/12 - 9/16	Weather	S4E4.a. Obtain, evaluate, and communicate information to predict weather events and infer weather patterns using weather charts/maps and collected weather data. patterns and seasonal changes.	-Construct an explanation of how weather instruments (thermometer, rain gauge, barometer, wind vane, and anemometer) are used in gathering weather data and making forecasts. Recognize weather instruments (tools) to collect and analyze data.
7	9/19 - 9/23	Weather	S4E4.b. Obtain, evaluate, and communicate information to predict weather events and infer weather patterns using weather charts/maps and collected weather data. patterns and seasonal changes.	-Interpret data from weather maps, including fronts (warm, cold, and stationary), temperature, pressure, and precipitation to make an informed prediction about tomorrow's weather.

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8	<p style="text-align: center;">9/26 - 9/30</p> <p style="text-align: center;">Unit 1B Test-9/28</p> <p style="text-align: center;">Weather</p>	Weather	<p>S4E4 (c-d) Obtain, evaluate, and communicate information to predict weather events and infer weather patterns using weather charts/maps and collected weather data. patterns and seasonal changes.</p>	<p>- Ask questions and use observations of cloud types (cirrus, stratus, and cumulus) and data of weather conditions to predict weather events.</p> <p>- Construct an explanation based on research to communicate the difference between weather and climate</p>
9	<p style="text-align: center;">10/3 - 10/7</p> <p style="text-align: center;">**End of 9 weeks 10/6</p> <p style="text-align: center;">Fall Break 10/7 - 10/11</p>	Stars & Planets	<p style="text-align: center;">S4E1 (a,b)</p> <p>Obtain, evaluate, and communicate information to compare and contrast the physical attributes of stars and planets.</p>	<ul style="list-style-type: none"> ● Stars: numbers, size, color, patterns ● Star constellations & galaxies ● Technology used to observe stars