Thursday Activities:

Activity 1: "DC Multiplication Mystery"

Directions for Students:

- You are about to embark on a thrilling DC Multiplication Mystery! In this activity, you will work in small groups to solve multiplication and addition problems related to DC landmarks.
- Your group will receive two problems to solve. Work together to find the answers.
- Once you have solved both problems, use the answers to uncover a combination for a mystery lock. The first answer is the first digit, and the second answer is the second digit of the combination.
- Record your solutions and the mystery lock combination in your math journals.

Problems:

- If there are 8 cherry blossom trees, and each tree has 6 branches, how many branches in total?
- The height of the Washington Monument is 555 feet. If it's 210 feet taller than the Lincoln Memorial, how tall is the Lincoln Memorial?

Activity 2: "DC Money Math Challenge"

Directions for Students:

- Get ready for the DC Money Math Challenge! You will work in small groups to solve money-related word problems based on DC landmarks.
- Your group will receive two problems to solve. Work together to find the answers.
- After solving the problems, calculate the total cost of a hypothetical DC-themed shopping trip, including entrance fees, snacks, and souvenirs.
- Record your solutions and the total cost in your math journals.

Problems:

- Admission to the Smithsonian Museum is $12. A souvenir costs $8. How much money do you need for admission and a souvenir?
- If you have $50 and you spend $28 on a tour of the National Mall, how much money do you have left?

Activity 3: "DC Landmark Geometry"

Directions for Students:

- Welcome to the DC Landmark Geometry activity! You will work in small groups to compare the heights of DC landmarks and explore place value and measurement.
- Your group will receive two questions. Start by deciding which landmark is taller based on their heights.
- Then, estimate and measure the length of the Reflecting Pool in front of the Lincoln Memorial. Compare your estimation to the actual measurement.
- Record your answers and measurements in your math journals.

Problems:

- Which is taller, the Washington Monument (555 feet) or the Jefferson Memorial (129 feet)?
- Estimate the length of the Reflecting Pool in front of the Lincoln Memorial based on the picture. Then measure it with a ruler.

Activity 4: "DC Metro Time Challenge"

Directions for Students:

- All aboard the DC Metro Time Challenge! You will work in small groups to practice telling time and solving time-related problems based on DC Metro schedules.
- Your group will receive two questions related to Metro schedules. Use the provided schedules to find the answers.
- Record the time intervals and departure times in your math journals.
- Be ready to share your solutions with the class.

Problems:

- If the Metro train departs at 9:15 AM and arrives at the next station at 9:30 AM, how long is the ride in minutes?
- If the next Metro train arrives at 2:45 PM, how many hours until then?

Friday Activities:

Activity 5: "DC Monument Measurements"

Directions for Students:

- It's time to explore DC Monument Measurements! In this activity, you will estimate and measure the dimensions of DC monuments.
- Your group will receive two questions. Begin by estimating the height of the Washington Monument and the base circumference of the Jefferson Memorial based on the pictures.
- Then, use a ruler to measure the actual dimensions. Compare your estimations to the measurements.
- Record your estimations, measurements, and comparisons in your math journals.

Problems:

- Estimate the height of the Washington Monument based on the picture. Then measure it with a ruler.
- Estimate the base circumference of the Jefferson Memorial based on the picture. Then measure it with a ruler.

Activity 6: "DC Timeline Challenge"

Directions for Students:

- Get ready for the DC Timeline Challenge! You will work in small groups to practice telling time and solving time-related problems based on DC historical events.
- Your group will receive two questions related to historical events. Use the provided timeline to answer them.
- Calculate the time intervals and historical event dates. Record your answers in your math journals.
- Be prepared to discuss your findings with the class.

Problems:

- The Lincoln Memorial was dedicated in 1922, and the Washington Monument was completed in 1884. How many years apart were these events?
- If the signing of the Declaration of Independence occurred in 1776, how many years ago was it from 2023?

Activity 7: "DC Area Map Puzzles"

Directions for Students:

- Welcome to the DC Area Map Puzzles! You will work in small groups to practice addition, subtraction, and map skills using DC area maps.
- Your group will receive two questions. Use the maps and math problems to find the answers.
- Record your solutions and calculations in your math journals.
- Plan a hypothetical DC tour route, considering distances and landmarks visited.

Problems:

- If the distance between the White House and the Capitol Building is 2.5 miles, and the distance between the Washington Monument and the Lincoln Memorial is 1.2 miles, what is the total distance if you visit both pairs of landmarks?
- If you have 5 hours to explore the National Mall and you spend 2.5 hours at the Washington Monument, how much time do you have left for other landmarks?

Activity 8: "DC Geometry Scavenger Hunt"

Directions for Students:

- Prepare for the DC Geometry Scavenger Hunt! You will work in small groups to identify shapes in DC architecture and practice measurements.
- Your group will receive two tasks. Start by identifying and drawing at least three geometric shapes you see in a picture of a DC building or monument.
- Measure the length and width of the Lincoln Memorial's reflecting pool based on the picture. Calculate its area.
- Record your shape identifications, measurements, and area calculation in your math journals.

Problems:

- Identify and draw at least three geometric shapes that you see in the picture of the Capitol Building.
- Measure the length and width of the Lincoln Memorial's reflecting pool based on the picture. Calculate its area.