

# Denali National Park and Ice Painting

Denali National Park and Preserve is located in the state of Alaska and was established in 1917 to protect its wildlife. The park is home to Denali, the tallest mountain peak in North America, which is exactly 20,310 feet high. That is nearly 4 miles high! Denali is covered with ice year-round and features extreme cold, it can get to  $-75^{\circ}$  Fahrenheit. What would happen to our paints if we were in Denali National Park? Would they still work if they froze? Let's investigate....

## YOU WILL NEED

- Ice cube tray
- Water
- Liquid water color paint, tempera or food coloring
- Popsicle sticks or clothespins
- Aluminum foil
- Paper
- Newspaper or paper towels

## STEPS

1. Fill ice cube tray with various colors of liquid water color paint, tempera paints or make your own paint by filling the tray with water and adding 10 drops of food coloring to each square.
2. Wrap the ice cube tray with aluminum foil.
3. Gently poke a hole in the aluminum foil above each section. Then place popsicle sticks or clothespins in each color of the ice trays, and place the tray in a freezer overnight.
4. Remove the aluminum foil from the tray and pop out the frozen paint on a stick.
5. Lay out some newspaper or paper towels to cover your workspace, and place a piece of paper on top. Rub the ice paint onto paper. You will create friction warming up the paint.

Do you see the ice melting and leaving beautiful liquid color on the paper? Have fun creating a fabulous ice paintings!

