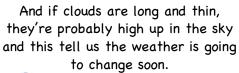# WEATHER INVESTIGATION:

K-2 Instruction Guide

This activity will focus on weather! Checking the weather is probably a part of your family's day. It helps you decide what clothes to wear, what shoes to put on, and what to expect when you go outside.

So, what is **weather**? Weather is the condition of the air at a particular time and place. Weather includes things like the wind, sun, and water, which is called **precipitation** when it falls from clouds. When weather changes for a long period of time in a predictable way, we get **seasons**. Weather affects many parts of nature. Lots of animals can only live in certain places because of weather. Some flowers are only seen during certain times of year because of the weather. And both plants and animals have ways of changing, or **adapting**, when the weather is different from what they expect.

Predicting weather is a science called **meteorology**. Meteorologists use clues to predict weather and one of the ways they do this is by observing clouds. Different clouds mean different things about the weather. For example, if clouds are dark and tall like mountains, it might mean a storm is on the way. If clouds are white and puffy, it probably means the weathe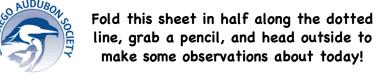r will be nice for a while. And if clouds are long and thin, they're probably high up in the sky and this tell us the weather is going to change soon.

Dark, Storm Clouds

White, Puffy Clouds

Fold this sheet in half along the dotted line, grab a pencil, and head outside to make some observations about today!

WEATHER INVESTIGATION K-2

Follow the instructions below to create a weather report for today:

The temperature feels: *(circle your answer)*

HOT   **WARM**   **COOL**   **COLD**

Draw a picture of the sky in the box below and circle which words best describe the clouds today.

The clouds look:

Fluffy   Tall

Dark   Thin

There are no clouds today

Today's precipitation is: *(circle your answer)*

None   **Rain**   **Snow**

I think tomorrow will be: *(circle any you think are true)*

SUNNY   **CLOUDY**   **HOT**   **COLD**   **RAINY**

Bring your **"Weather Investigation"** sheet back outside with you tomorrow or later today and see how your answers may change.