



Cub Scout Weather

Cub Scout Academics and Sports Workbook

This workbook is not required but can help you with this award. Belt Loops and Pins may be earned more than once.

Links to other workbooks and resources are at the end of this workbook: [Online Resources](#).

Send comments to the workbook developer: craig@craiglincoln.com. Workbook updated: March, 2011.

Scout's Name: _____

Pack: _____

Cub Scout Weather Belt Loop (See the [Pin Requirements](#) below.)

Complete these three requirements:

1. Make a poster that shows and explains the water cycle. _____
2. Set up a simple weather station to record rainfall, temperature, air pressure, or evaporation for one week.

Recording	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Time							
Rainfall							
Temperature							
Air Pressure							
Evaporation							

3. Watch the weather forecast on a local television station. Discuss with an adult family member what you heard and saw. Follow up by discussing the accuracy of the forecast. _____

Cub Scout Weather Pin

Earn the Cub Scout Weather belt loop, and complete five of the following requirements:

1. Explain to your den or an adult family member the meaning of these terms: weather, _____

humidity, _____

precipitation, _____

temperature, _____

and wind. _____

2. Explain how clouds are made. _____

Describe the different kinds of clouds - stratus, cumulus, cumulonimbus, and cirrus - and what kind of weather can be associated with these cloud types.

stratus, _____

cumulus, _____

cumulonimbus, _____

and cirrus _____

3. Describe the climate in your state. _____

Compare its climate with that in another state. _____

4. Describe a potentially dangerous weather condition in your community. _____

Discuss safety precautions and procedures for dealing with this condition. _____

5. Define what is meant by *acid rain*. _____

Explain the *greenhouse effect*. _____

6. With your parent's or adult partner's permission, talk to a meteorologist about his or her position. _____

Learn about careers in meteorology. _____

Share what you learned with your den or an adult family member. _____

7. Make a weather map of your state or country, using several weather symbols.



8. Explain the differences between tornadoes _____
_____ and hurricanes. _____

9. Make a simple weather vane. _____
Make a list of other weather instruments and describe what they do.

10. Explain how weather can affect agriculture and the growing of food. _____

11. Make a report to your den or family on a book about weather. _____

12. Explain how rainbows are formed and then draw and color a rainbow. _____

Online Resources *(Use any Internet resource with caution and only with your parent's or guardian's permission.)*

Boy Scouts of America: ► scouting.org ► [Guide to Safe Scouting](#) ► [Age-Appropriate Guidelines](#) ► [Safe Swim Defense](#)
► [Scout](#) ► [Tenderfoot](#) ► [Second Class](#) ► [First Class](#) ► [Rank Videos](#) ► [Safety Afloat](#)

Webelos Activity Badge Workbooks: usscouts.org -or- meritbadge.org

Cub Scout Academics and Sports Workbooks: meritbadge.org -or- [Academics](#) / [Sports](#)

Boy Scout Merit Badge Workbooks: usscouts.org -or- meritbadge.org **Merit Badge Books:** www.scoutstuff.org

Requirement Resources

These resources and much more are at: http://meritbadge.org/wiki/index.php/Cub_Scout_Weather

Cub Scout Weather Belt Loop

1. [Water Cycle](#) - [Wikipedia: Water cycle](#)
2. The Weather Log you need is included in the [Cub Scout Weather Worksheet](#).
3. [Encarta's Guide to Forecasting the Weather](#) - [Encarta: A Guide to Storms](#) - [AccuWeather](#) - [Weather radar](#)

Cub Scout Weather Pin

1. [The Weather.com Encyclopedia](#) - [Weather Wiz Kids](#)
2. [Cloud](#) - [Types of Clouds by Altitude](#) - [Weather Photos](#)
3. [State Climates](#)
4. [Weather Safety](#) - [Thunderstorm](#) - [Tornado](#) - [Tornado](#) - [Encarta: Hurricane](#) - [Wikipedia: Hurricane](#) - [Wikipedia: Blizzard](#) - [Blizzard](#) - [Wikipedia: Fog](#) - [Fog](#) - [Snow](#) - [Sleet](#) - [Ice storm](#)
5. [Acid Rain](#) - [Wikipedia: Acid rain](#) - [Greenhouse effect](#)
6. [NOAA In Your State](#) - [Weather Forecast Offices](#) - [National Weather Centers](#) - [Careers at NOAA](#) - [Weather Careers](#) - [Career Guide](#)
7. The blank US map you need is in the [Cub Scout Weather Workbook](#)
[NOAA Weather Service](#) - [AccuWeather](#)
8. [Tornado](#) - [Tornado](#) - [Encarta: Hurricane](#) - [Wikipedia: Hurricane](#)
9. [Weather Instruments](#) - [Wikipedia: Weather Instruments](#)
12. [Rainbows](#)