



# 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](mailto:craig@craiglincoln.com). Workbook updated: December 2008.

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. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### **Cub Scout Weather Pin**

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

☐ 1. Define the following 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. \_\_\_\_\_

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☐ 5. Define what is meant by acid rain. \_\_\_\_\_

Explain the greenhouse effect. \_\_\_\_\_

☐ 6. Talk to a meteorologist about his or her job. \_\_\_\_\_

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Learn about careers in meteorology. \_\_\_\_\_

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☐ 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.

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- ☐ 10. Explain how weather can affect agriculture and the growing of food. \_\_\_\_\_

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| _____ | _____ |

- ☐ 11. Make a report to your den or family on a book about weather. \_\_\_\_\_

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- ☐ 12. Explain how rainbows are formed and then draw and color a rainbow. \_\_\_\_\_

|       |       |
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|-------|-------|

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

**Boy Scouts of America:** ► [scouting.org](http://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](http://usscouts.org) -or- [meritbadge.org](http://meritbadge.org)

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

**Boy Scout Merit Badge Workbooks:** [usscouts.org](http://usscouts.org) -or- [meritbadge.org](http://meritbadge.org) **Merit Badge Books:** [www.scoutstuff.org](http://www.scoutstuff.org)

**Requirement Resources**

These resources and much more are at: [http://meritbadge.org/wiki/index.php/Cub\\_Scout\\_Weather](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](#)