



# Cub Scout Weather

## Academics Workbook

The work space provided for each requirement should be used by the Cub Scout to make notes for discussing the item with Akela, not for providing the full and complete answers. Each Cub Scout must do each requirement.

No one may add or subtract from the official requirements found in the Cub Scout Academics and Sports Program Guide (Pub. 34299)

This workbook was updated in May 2012.

<http://www.USScouts.Org> • <http://www.MeritBadge.Org>

Please submit errors, omissions, comments or suggestions about this **workbook** to: [Workbooks@USScouts.Org](mailto:Workbooks@USScouts.Org)

Comments or suggestions for changes to the **requirements** for the **Belt Loop or Pin** should be sent to: [Advancement.Team@Scouting.Org](mailto:Advancement.Team@Scouting.Org)

Webelos Scout's Name: \_\_\_\_\_ Pack No. : \_\_\_\_\_

Webelos Scouts that earn the Weather Belt Loop while a Webelos Scout also satisfy requirement 13 for the Scientist Activity Badge.

### **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.

Weather \_\_\_\_\_

Humidity \_\_\_\_\_

Precipitation \_\_\_\_\_

Temperature \_\_\_\_\_

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.

Describe Stratus clouds \_\_\_\_\_

Describe Cumulus clouds \_\_\_\_\_

Describe Cumulonimbus clouds \_\_\_\_\_

Describe Cirrus clouds \_\_\_\_\_

What kind of weather can be associated with these cloud types?

Stratus \_\_\_\_\_

Cumulus \_\_\_\_\_

Cumulonimbus \_\_\_\_\_

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.

---

---

---

---

**Requirement resources can be found here:**  
[http://www.meritbadge.org/wiki/index.php/Cub\\_Scout\\_Weather#Requirement\\_resources](http://www.meritbadge.org/wiki/index.php/Cub_Scout_Weather#Requirement_resources)

## Important excerpts from the [‘Guide To Advancement’](#), No. 33088:

Effective January 1, 2012, the *‘Guide to Advancement’* (which replaced the publication *‘Advancement Committee Policies and Procedures’*) is now the *official* Boy Scouts of America source on advancement policies and procedures.

- [ Inside front cover, and 5.0.1.4 ] — **Unauthorized Changes to Advancement Program**  
**No council, committee, district, unit, or individual has the authority to add to, or subtract from, advancement requirements.** (There are limited exceptions relating only to youth members with disabilities. For details see section 10, “Advancement for Members With Special Needs”.)
- [ Inside front cover, and 7.0.1.1 ] — The [‘Guide to Safe Scouting’](#) Applies  
Policies and procedures outlined in the *‘Guide to Safe Scouting’*, No. 34416, apply to all BSA activities, including those related to advancement and Eagle Scout service projects. [Note: Always reference the online version, which is updated quarterly.]
- [ 4.1.0.3 ] — **Who Approves Cub Scout Advancement?**  
A key responsibility for den leaders is to implement the core den meeting plans as outlined in the Den & Pack Meeting Resource Guide, No. 34409. For Wolf, Bear, and Webelos advancement, den leaders take the lead in approving requirements, though their assistants, and also parents who help at meetings, may be asked to play the role of “Akela” and assist. Parents sign for requirements that, according to meeting plans and instructions in the handbooks, take place at home. For the Bobcat trail and Tiger Cub achievements, parents (or adult partners) should sign in the boy’s handbook; the den leader then approves as progress is recorded in the den’s advancement record.
- [ 4.1.0.4 ] — **“Do Your Best”**  
Advancement performance in Cub Scouting is centered on its motto: “Do Your Best.” When a boy has done this—his very best—then regardless of the requirements for any rank or award, it is enough; accomplishment is noted. This is why den leaders, assistants, and parents or guardians are involved in approvals. Generally they know if effort put forth is really the Cub Scout’s best.
- [ 4.1.2.2 ] — **Cub Scout Academics and Sports Program**  
More than just a recognition opportunity, this program develops new skills, improves those existing, and otherwise enriches Cub Scouting. Details can be found in the Cub Scout Academics and Sports Program Guide, No. 34299. Activities include subjects like science, video games, collecting, and chess; and sports such as baseball, skateboarding, and table tennis. Each has two levels—a belt loop and a pin. Belt loops, which can be earned more than once, are awarded when each of three requirements is met. Cub Scouts may then continue with additional requirements and earn the pin. Archery and BB gun shooting are included, but can only be conducted at a council presented activity with certified supervisors.

## Additional notes of interest:

- Tiger Cubs, Cub Scouts, and Webelos Scouts may complete requirements for all Academics and Sports Belt Loops and Pins (**except shooting sports**) in a family, den, pack, school, or community environment. Tiger Cubs must work with their parents or adult partners. Parents and partners do not earn loops or pins.
- **“Akela”** (Pronounced “Ah-KAY-la”) — Title of respect used in Cub Scouting—any good leader is *Akela*. *Akela* is also the leader and guide for Cub Scouts on the advancement trail. The name comes from Rudyard Kipling’s *Jungle Book*. (See “Law of the Pack.”)
- **“Law of the Pack”** —  
*The Cub Scout follows Akela.*  
*The Cub Scout helps the pack go.*  
*The pack helps the Cub Scout grow.*  
*The Cub Scout gives goodwill.*