

2003, updated 2008  
#33452  
ISBN 0-8395-3452-3



## BOBCAT TRAIL (Page 42)

(If the Cub Scout has not previously earned the Bobcat Badge, it must be earned first).

1. Learn and say the Cub Scout Promise and
  - a. Complete the [Character Connection](#) for Honesty. (Page 42-43)
    1. **Know**- Discuss these questions with your family: What is a promise? What does it mean to “keep your word?” What does *honesty* mean? What does it mean to “do your best?”
    2. **Commit**- Discuss these questions with your family. Why is a promise important? Why is it important for people to trust you when you give your word? When might it be difficult to keep your word? List examples.
    3. **Practice**- Discuss with family members why it is important to be trustworthy and honest and how you can do your best to be honest when you are doing the activities in Cub Scouting.
2. Say the Law of the Pack. Tell what it means.
3. Tell what Webelos means.
4. Show the Cub Scout sign. Tell what it means.
5. Show the Cub Scout handshake. Tell what it means.
6. Say the Cub Scout motto. A motto is a guiding principle.
7. Give the Cub Scout salute. Tell what it means.
8. With your parent or guardian, complete the exercises Your Children from Child Abuse.

## WEBELOS TRAIL

To earn the **Webelos rank** a Webelos Scout **must complete 3 activity badges (one must be Fitness and 2 other different activity badge groups)**. The next patch is the **Compass Point Emblem** which is awarded after the Webelos badge and 4 additional activity badges for a total of 7 activity badges now earned. After the scout has earned the Compass Point Emblem they can earn **metal “compass points** for each additional 4 activity badges earned for a total of 3 metal “compass points”. The Highest rank in Cub Scouting is the **Arrow of Light**. (See page 429 for this rank’s requirements). Note that these activities are primarily done in the Den meetings and signed off by the Webelos Leader after the boy has completed each task. Some activities will be assigned by the Webelos Leader to be done at home.

## The Purposes of Cub Scouting and Character Connections.

1. Character Development
1. Citizenship

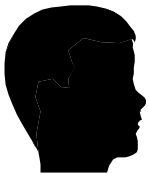
- |                                |                       |
|--------------------------------|-----------------------|
| 2. Spiritual Growth            | 2. Compassion         |
| 3. Good Citizenship            | 3. Cooperation        |
| 4. Sportsmanship and fitness   | 4. Courage            |
| 5. Family Understanding        | 5. Faith              |
| 6. Respectful Relationships    | 6. Health and Fitness |
| 7. Personal Achievement        | 7. Honesty            |
| 8. Friendly Service            | 8. Perseverance       |
| 9. Fun and Adventure           | 9. Positive Attitude  |
| 10. Preparation for Boy Scouts | 10. Resourcefulness   |
|                                | 11. Respect           |
|                                | 12. Responsibility    |

Character development is an important part of the Scouting program and it involves three major areas: Thinking (the head), feeling (the heart), and behavior (the hand). Cub Scouting emphasizes the relationships of the head, the heart and the hand to 12 core values and calls them **CHARACTER CONNECTIONS**.

These 12 core values are important throughout Webelos and during the Wolf Cub year nine values will be worked on:

- Faith (Page 50-51)**
- Honesty (Page 42-46)**
- Perseverance (Page 124)**
- Citizenship (Page 144)**
- Health and Fitness (Page 246)**
- Responsibility (Page 300)**
- Respect (Page 318)**
- Courage (Page 366)**
- Positive Attitude (Page 392)**

As you work on achievements, ask your Webelos to consider the following:



**What do I think or know?** (What do I know about the core value, about the experience, about the context?)



**How do I feel?** (How do I feel about this value? What makes this difficult to do? How did this experience make me feel?)



**What can I do?** (How can I practice this value at school, at home, or with my friends?)

WEBELOS ACTIVITY BADGES 20 total activity badges total—must earn 19 to fulfill part of the Arrow of Light total activity badge requirements.

## PHYSICAL SKILLS ACTIVITY BADGE GROUP

### 1. Aquanaut (Page 83)

#### Do These:

1. Jump into water over your head. Level off and swim 100 feet, at least half of this using a backstroke.
2. Stay in the water after the swim and float on your back and your front, and demonstrate survival floating.
3. Put on a personal flotation device (PFD) that is the right size for you. Make sure it is properly fastened. Wearing the PFD, jump into water over your head. Show how the PFD keeps your head above water by swimming 25 feet. Get out of the water, remove the PFD, and hang it where it will dry.

#### And Do Three of these:

4. Do a front surface dive and swim under water for four strokes before returning to the surface.
5. Explain the four basic water rescue methods. Demonstrate reaching and throwing rescues.
6. With an adult on board, show that you know how to handle a rowboat.
7. Pass the BSA “swimmer” test:
  - a. Jump feet-first into water over the head in depth, level off, and begin swimming.
  - b. Swim 75 yards in a strong manner using one of more of the following strokes: sidestroke, breaststroke, trudgen, or crawl.
  - c. Then swim 25 yards using an easy, resting backstroke.
  - d. After completing the swim, rest by floating. The 100 yards must be completed in one swim without stops and must include at least one sharp turn.
8. While you are a Webelos Scout, earn the Cub Scout Sports belt loop for swimming.

### 2. Athlete (Page 123)

#### Do These:

1. a. Complete the [Character Connection](#) for Perseverance.
  1. **Know-** Review the requirements and decide which ones might be more difficult for you to do. Make a plan to complete one of the harder requirements.
  2. **Commit-** When doing the harder requirement, did you ever feel frustrated or angry? What did perseverance have to do with that? Name another type of task for which you will need to persevere.
  3. **Practice-** Practice perseverance by following your plan to do that requirement for the Athlete activity badge.
2. Explain what it means to be physically and mentally healthy.
3. Explain what you as a Webelos Scout can do to stay physically and mentally healthy.
4. Every time you work on requirement 5 below, start with at least 5 minutes of stretching warm-up activities.
5. Do as many as you can of the following and record your results. Show improvement in all of the activities after 30 days.
  - a. Have another person hold your feet down while you do as many curl-ups as you can.
  - b. Do as many pull-ups from a bar as you can.
  - c. Do as many push-ups from the ground or floor as you can.

e. Do a quarter-mile run or walk.

**And Do two of these:**

6. Do a vertical jump and improve your reach in 30 days.
7. Do a 50-yard dash as fast as you can, and show a decrease in time over a 30-day period.
8. Ride a bike 1 mile as fast as you can, and show a decrease in time over a 30-day period.
9. Swim a quarter mile in a pool or lake as fast as you can, and show a decrease in time over a 30-day period.

**3. Fitness (Page 245)**

**Do This:**

1. a. Complete the [Character Connection](#) for Health and Fitness.
  1. **Know**- Tell why it is important to be healthy, clean, and fit.
  2. **Commit**- Tell when it is difficult for you to stick with good health habits. Tell where you can go to be with others who encourage you to be healthy, clean and fit.
  3. **Practice**- Practice good health habits while doing the requirements for this activity badge.

**Do Six of These:**

2. With a parent or other adult family member, complete a safety notebook, which is discussed in the booklet "How to Protect Your Children from Child Abuse" that comes with this book.
3. Read the meal planning information in this chapter. With a parent or other family member, plan a week of meals. Explain what kinds of meals are best for you and why.
4. Keep a record of your daily meals and snacks for a week. Decide whether you have been eating foods that are good for you.
5. Tell an adult member of your family about the bad effects smoking or chewing tobacco would have on your body.
6. Tell an adult member of your family four reasons why you should not use alcohol and how it could affect you.
7. Tell an adult member of your family what drugs could do to your body and how they would affect your ability to think clearly.
8. Read the booklet *Take a Stand Against Drugs!* Discuss it with an adult and show that you understand the material.

**4. Sportsman (Page 455)**

**Do These:**

1. Show the signals used by officials in one of these sports: Football, basketball, baseball, soccer, or hockey.
2. Explain what good sportsmanship means.
3. While you are a Webelos Scout, earn Cub Scout Sports belt loops for two individual sports (Badminton, bicycling, bowling, fishing, golf, gymnastics, marbles, physical fitness, skating, ice skating, roller skating, snow skiing and board sports, swimming, table tennis, or tennis).
4. While you are a Webelos Scout, earn Cub Scout Sports belt loops for two team sports (baseball, basketball, soccer, softball, volleyball, flag football or ultimate).

**MENTAL SKILLS ACTIVITY BADGE GROUP**

## 5. Artist (Page 101)

### Do these:

1. Talk to an artist in your area or to your art teacher about the different occupations in the art field. Make a list of them.
2. Create a scrapbook (portfolio) of your Artist activity badge projects and show it to your den leader.

### Do Five of These:

3. Draw or paint an original picture, using the art materials you prefer. Frame the picture for your room or home.
4. List the primary and secondary colors. Explain what happens when you combine colors.
5. Using a computer, make six original designs using straight lines, curved lines, or both.
6. Draw a profile of a member of your family.
7. Use clay to sculpt a simple subject.
8. Make a mobile, using your choice of materials.
9. Make an art construction, using your choice of materials.
10. Create a collage that expresses something about yourself.
11. While you are a Webelos Scout, earn the Cub Scout Academics belt loop for Art.

## 6. Scholar (Page 391)

### Do This:

1. a. Complete the [Character Connection](#) for Positive Attitude.
  1. **Know**- Discuss with your parent or guardian, or your Webelos den leader, what it means to have a positive attitude and the “BEST” steps you can take to have a positive attitude. (**B**elieve it can happen, **E**xpect success, **S**et your mind, and **T**ry, try, try.)
  2. **Commit**- Plan with your parent or guardian, or your Webelos den leader, how you will apply the “BEST” steps for a positive attitude in doing your schoolwork and in other areas of your life.
  3. **Practice**- “Do your ‘BEST’” to have a cheerful and positive attitude while doing the activities in Cub Scouting.

### Do Three of These:

2. Have a good record in attendance, behavior, and grades at school.
3. Take an active part in a school activity or service.
4. Discuss with your teacher or principal the value of having an education.
5. List in writing some important things you can do now because of what you’ve learned in school.
6. While you are a Webelos Scout, earn the Cub Scout Academics belt loop for Language.
7. While you are a Webelos Scout, and if you have not earned it for another activity badge, earn the Cub Scout Academics belt loop for Mathematics.
8. While you are a Webelos Scout, and if you have not earned it for another activity badge, earn the Cub Scout Academics belt loop for Chess.

### And Do three of These:

9. Trace through history the different kinds of schools. Tell how our present public school system grew out of these early schools.
10. Make a chart showing how your school system is run.
11. Ask a parent and 5 other grown-ups these questions:
  - a. What do you think are the best things about my school?
  - b. What could be done to improve it?

Tell what you think were the best answers and why.

12. List and explain some of the full-time positions in the field of education.

13. Help another student with schoolwork. Tell what you did to help.

## **7. Showman (Page 429)**

### **Do This:**

1. Complete six activities of your choice; these can be from any area (puppetry, music, or drama).

Webelos den leader or activity badge counselor: be sure to sign approval both here and for each of the three requirements completed to fulfill requirement 1.

### **Puppetry**

#### **Do Requirement 1 and one of these not already done for #1:**

2. Write a puppet play about one of your Webelos den activities or a subject of your choice.
3. Make a set of puppets or marionettes for the play you have written or for another play.
4. Build a simple stage for marionettes or puppets.
5. Alone or with the help of others, put on a puppet show for your den or pack.
6. Make a set of four paper bag puppets for a singing group. With the help of three other den members, sing a song with the puppets as the performers.
7. There are sock, stick and finger puppets. There are paper bag puppets and marionettes. Explain their differences and show any puppets you have made for this badge.

### **Music**

#### **Do Requirement 1 and one of these not already done for #1:**

8. Play four tunes on any band or orchestra instrument. Read these from music.
9. Sing two songs alone or with a group.
10. Make a collection of three or more records, tapes, or compact discs. Tell what you like about each one.
11. Tell what folk music is. Hum, sing, or play a folk tune on a musical instrument.
12. Name three American composers. Name a famous work by each.
13. Draw a staff, Draw on it a clef, with a sharp, flat, natural, note, and rest. Tell what each is used for.
14. Show the difference between 2/4, 3/4, and 4/4 time by beating time or playing an instrument.
15. While you are a Webelos Scout, and if you have not earned it for another activity badge, earn the Cub Scout Academics belt loop for Music.

### **Drama**

#### **Do Requirement 1 and one of these not already done for #1:**

16. Give a monologue (a talk) on a patriotic, humorous, or holiday subject or another subject of your choice.
17. Attend a play. Describe the story. Tell what you liked about it.
18. Read a play. Make a model stage setting for one of the acts.
19. Write, put on, and take part on a one-act play.
20. Make a list of stage directions, Tell what they mean.
21. Describe a theater-in-the-round. What are its good and bad points?
22. Explain the difference between a grand opera and a light opera. Explain the difference between a musical and a play.
23. Read about William Shakespeare. Draw a picture of his Globe Theater.

## 8. Traveler (Page 461)

### Do Five of These:

1. Get a map or timetable from a railroad, bus line, airline, subway, or light rail. The line should serve the place where you live or near where you live. Look up some places it goes.
2. Use a timetable to plan a trip from your home to a city in another state by railroad, bus, airline, or ferry.
3. With the help of your parent, guardian, teacher, or librarian, use a map site on the Internet to plan a trip from your home to a nearby place of interest. Download and/or print the directions and a street map showing how to go from your home to the place you chose.
4. With your parent or guardian, take a trip to a place that interests you. Go by car, bus, boat, train, or plane.
5. Figure out what it costs per mile for the trip you took or planned to fulfill requirements 2, 4, 6, or 7 (Don't forget to include getting back to your starting point!).
6. Decide on four nearby trips you would like to take with your parents or guardian. Draw the route of each trip on a highway map. Using the map, act as navigator in one of these trips. It should start at your home, be at least 25 miles long, and have six or more turns.
7. Decide on a trip you would like to take that lasts at least 2 days. Pack everything you would need for that trip.
8. Check the first aid kit in the family car to see if it contains what is needed. Explain what you found.
9. Look at the map legend on a road map of your area. Learn what the symbols mean. Show your den members what you have learned.
10. On a road map of your area, find a place of interest and draw 2 different routes between it and your home. Use the map legend to determine which route is shorter in miles.
11. Make a list of safety precautions you, as a traveler, should take for travel by each of the following: car, bus, plane, boat, train.
12. While you are a Webelos Scout earn the Cub Scout Academics belt loop for Geography.
13. While you are a Webelos Scout earn the Cub Scout Academics belt loop for Map and Compass.

## COMMUNITY ACTIVITY BADGE GROUP

## 9. Citizen (Page 143)

### Do This:

1. a. Complete the [Character Connection](#) for Citizenship.
  1. **Know-** Lists some of your rights as a citizen of the United States of America. Tell ways you can show respect for the rights of others.
  2. **Commit-** Name some ways a boy your age can be a good citizen. Tell how you plan to be a good citizen and how you plan to influence others to be good citizens.
  3. **Practice-** Choose one of the requirements for this activity badge that helps you be a good citizen. Complete the requirement and tell why completing it helped you be a good citizen.

### Do All of These:

2. Know the names of the president and vice president of the United States. Know the names of the governor of your state and the head of your local government.
3. Describe the flag of the United States and give a short history of it. With another Webelos Scout helping you, show how to hoist and lower the flag, how to hang it horizontally and vertically on a wall, and how to fold it.
4. Explain why you should respect your country's flag. Tell some of the special days you should fly it. Tell when to salute the flag and show how to do it.
5. Repeat the Pledge of Allegiance from memory. Explain its meaning in your own words. Lead you Webelos den in reciting the pledge.
6. Tell how our national anthem was written.
7. Explain the rights and duties of a citizen of the United States. Explain what a citizen should do to save our natural resources.
8. As a Webelos Scout earn the Cub Scout Academics belt loop for Citizenship. At a Webelos den meeting, talk about the service project Good Turn that you did.

**And Do 2 of These:**

9. Tell about two things you can do that will help law enforcement agencies.
10. Visit a community leader. Learn about the duties of the job or office, Tell the members of your Webelos den what you have learned.
11. Write a short story of not less than 50 words about a former U. S. president or some other great American man or woman. Give a report on this to your Webelos den.
12. Tell about another boy you think is a good citizen. Tell what he does that makes you think he is a good citizen.
13. List the names of three people you think are good citizens. They can be from any county. Tell why you chose each of them.
14. Tell why we have laws. Tell why you think it is important to obey the laws. Tell about three laws you obeyed this week.
15. Tell why we have government. Explain some ways your family helps pay for government.
16. List four ways in which your country helps or works with other nations.
17. Name three organizations, not churches or other religious organizations, in your area that help people. Tell something about what one of these organizations does.

**10. Communicator (Page 165)**

**Do Seven of These:**

1. Play the Body Language Game with your den.
2. Prepare and give a three-minute talk to your den on a subject of your choice.
3. Invent a sign language or a picture writing language and use it to tell someone a story.
4. Identify and discuss with your den as many different methods of communication as you can (at least six different methods).
5. Invent your won den secret code and send one of your den members a secret message.
6. With your den, visit a library and talk to a librarian. Learn how books are cataloged to make them easy to find. Sign up for a library card, if you don't already have one.
7. Visit the newsroom of a newspaper or a radio or television station and find out how they receive information.
8. Write an article about a den activity for your pack newsletter or Web site, your local newspaper, or your school newsletter, newspaper, or Web site.

9. Invite a person with a visual, speaking, or hearing impairment to visit your den. Ask about the special ways he or she communicates. Discover how well you can communicate with him or her.
10. With your parent or guardian, or your Webelos den leader, invite a person who speaks another language (such as Spanish, French, Arabic, Hebrew, etc.) as well as English to visit your den. Ask questions about the other language (its background, where it is spoken, etc.), discuss words in that language that den members are already familiar with, or ask about ways to learn another language.
11. Use a personal computer to write a letter to a friend or relative. Create your letter, check it for grammar and spelling, and save it to a disk. Print it.
12. Under the supervision of a parent or other trusted adult, search the Internet and connect to 5 Web sites that interest you.
13. Under the supervision of a parent or other trusted adult, exchange e-mail with a friend or relative.
14. While you are a Webelos Scout, earn the Academics belt loop for Communication.
16. Find out about jobs in communications. Tell your den what you learn.

## 11. Family Member (Page 227)

### Do All of These:

1. Tell what is meant by family, duty to family, and family meetings.
2. Make a chart showing the jobs you and other family members have at home. Talk with your family about other jobs you can do for the next two months.
3. Make a list of some things for which your family spends money. Tell how you can help your family save money.
4. Plan your own budget for 30 days. Keep track of your daily expenses for seven days.
5. Take part in at least 4 family meetings and help make decisions. The meetings might involve plans for family activities, or they might be about serious topics that your parent wants you to know about.
6. With the help of an adult, inspect your home and surroundings. Make a list of hazards or lack of security that you find. Correct one problem that you found and tell what you did.

### And Do Two of These:

7. With the help of an adult, prepare a family energy-saving plan. Explain what you did to carry it out.
8. Tell what your family does for fun. Make a list of fun things your family might do for little cost. Plan a family fun night.
9. Learn how to clean your home properly. With the help of an adult, help do it for one month.
10. Show that you know how to look after your cloths. With adult supervision, help at least twice with the family laundry.
11. With adult supervision, help plan the meals for your family for at least one week. Help buy the food and help prepare at least three meals for your family.
12. While you are a Webelos Scout, earn the Academics belt loop for Heritages.
13. Explain why garbage and trash must be disposed of properly.

## 12. Readyman (Page 365)

### Do This:

1. a. Complete the [Character Connection](#) for Courage.

1. **Know-** Define the importance of each courage step: Be strong; Be calm; Be clear; Be careful. Explain how memorizing the courage steps help you to be ready.
2. **Commit-** Explain why it is hard to follow the courage steps in an emergency. Tell when you can use the courage steps in other situations (Such as standing up to a bully, avoiding fights, being fair, not stealing or cheating when tempted, etc.)
3. **Practice-** Act out one of the requirements using these courage steps: Be strong; Be calm; Be clear; Be careful.
2. Explain what first aid is. Tell what you should do after an accident.
3. Explain how you can get help quickly if there is an emergency in your home. Make a “help list” of people or agencies that can help you if you need it. Post it near a phone or other place with easy access.
4. Demonstrate the Heimlich maneuver and tell when it is used.
5. Show what to do for these “hurry cases”:  

Serious bleeding	Internal poisoning
Stopped Breathing	Heart attack
6. Show how to treat shock.
7. Show first aid for the following:  

Cuts and scratches	Choking
Burns and scalds	
8. Tell what steps must be taken for a safe swim with your Webelos den, pack, family, or other group. Explain the reasons for the buddy system.

**Do All of These:**

9. Explain six safety rules you should follow when driving a bicycle.
10. Explain the importance of wearing safety equipment when participation in sports activities (skating, skateboarding, etc.)
11. Make a home fire escape plan for your family.
12. Explain how to use each item in a first aid kit.
13. Tell where accidents are most likely to happen inside and around your home.
14. Explain six safety rules you should remember when riding in a car.
15. Attend a first aid demonstration at a Boy Scout troop meeting, a Red Cross center, or other place.

## TECHNOLOGY ACTIVITY BADGE GROUP

### 13. Craftsman (Page 197)

**Do These:**

1. Explain how to safely handle the tools that you will use for this activity badge.
2. With adult supervision and using hand tools, construct two different wooden objects you and your Webelos den leader agree on. Such as the items listed below Use a coping saw or jigsaw for these projects. Put them together with glue, nails, or screws. Paint or stain them.

Book rack	Napkin holder
Shelf	Animal cutouts
Bulletin board	Garden tool rack
Weather vane	Lid holder
Tie rack	Mailbox
Letter holder	Birdhouse
Notepad holder	Desk nameplate
Toolbox	Letter, bill and pencil

Recipe holder	holder
Lamp stand	Key rack
Kitchen knife rack	Measuring cup rack
Kitchen utensil rack	Measuring spoon rack

3. Make a display stand or box to be used to display a model or an award. Or make a frame for a photo or painting. Use suitable material.
4. Make four useful items using materials other than wood that you and Your Webelos den leader agree n, such as clay, plastic, leather, metal, paper, rubber, or ropes. These should be challenging items and must involve several operations.

#### 14. Engineer (Page 211)

##### Do both of These:

1. Talk to an engineer, surveyor, or architect in your area about the different occupations in engineering. Create a list that tells what they do.
2. Draw a floor plan of your house, Include doors, windows, and stairways.

##### Do Four of These:

3. Visit a construction site. Look at a set of plans; tell your Webelos den leader about these. (Get permission before you visit.)
4. Visit a civil engineer to understand how to measure the length of a property line. Explain how property lines are determined.
5. Tell about how electricity is generated and the gets to your home.
6. Construct a simple working electrical circuit using a flashlight battery, a switch, and a light.
7. Make drawings of three kinds of bridges and explain their differences. Construct a model bridge of your choice.
9. Make a block and tackle and show how it works.
8. Build a catapult and show how it works.
10. While you are a Webelos Scout, earn the Academics belt loop for Mathematics.

#### 15. Handyman (Page 299)

##### Do all of these:

1. a. Complete the Character Connection for Responsibility.
  1. **Know**- List all the tasks you can think of that are necessary in keeping a household in good shape. Name the tasks that are your responsibility. Tell what it means to be responsible for these tasks.
  2. **Commit**- Talk about what happens when people don't do their jobs. Tell why it is important to be helpful and to be responsible. List ways that you can be more responsible on your own.
  3. **Practice**- Choose one of the requirements and show how you are responsible by doing that task well for 2 weeks.

##### Do Two of These:

2. With adult supervision, wash a car.
3. Help an adult change a tire on a car.
4. With an adult supervision, replace a bulb in the taillight, turn signal, or parking light or replace a headlight on a car.
5. With adult supervision, show how to check the oil level and tire pressure of a car.
6. Make a repair to a bicycle, such as tightening the chain, fixing a flat tire, or adjusting the seat or handlebars.
7. Properly lubricate the chain on a bicycle.
8. Properly inflate the ties on a bicycle.
9. Change the wheels on a skateboard or pair of inline skates.

10. Replace a light bulb in a fixture or a lamp.
11. With adult supervision, arrange a storage area for household cleaners and other dangerous materials where small children cannot get them.
12. Build a sawhorse or stool to be used around your hone.
13. Help take care of the lawn.
14. Arrange a storage area for hand tools or lawn and garden tools.
15. Clean and properly store hand tools or lawn and garden tools in their storage areas.
16. Label hand tools or lawn and garden tools for identification.
17. Put together a toolbox for common repairs around the house. Be sure the toolbox and tools are stored safely.

## 16. Scientist (Page 401)

### Do These:

1. Read Bernoulli's principle. Show how it works.
2. Read Pascal's law. Tell about some inventions that use Pascal's law.
3. Read Newton's first law of motion. Show in three different ways how inertia works.
4. While you are a Webelos Scout, earn the Academics belt loop for Science.

### And Do Six of These:

5. Show the effects of atmospheric pressure.
6. Show the effects of air pressure.
7. Show the effects of water pressure. This may be combined with atmospheric pressure or with air pressure.
8. Build and launch a model rocket with adult supervision. (**NOTE:** You must be at least 10 years old to work with a model rocket kit sold in hobby stores.) Describe how Newton's third law of motion explains how the rocket is propelled into the sky.
9. Explain what caused fog. Show how this works.
10. Explain how crystals are formed. Make some.
11. Explain how you use your center of gravity to keep your balance. Show three different balancing tricks
12. Show in three different ways how your eyes work together and show what is meant by an optical illusion.
13. While you are a Webelos Scout, earn the Academics belt loop for Weather.
14. While you are a Webelos Scout, earn the Academics belt loop for Astronomy.

## OUTDOOR ACTIVITY BADGE GROUP

## 17. Forester (Page 259)

### Do Five of These:

1. Make a map of the United States. Show the types of forests growing in different parts of the country. Name some kinds of trees that grow in these forests.
2. Draw a picture to show the plant and tree layers of a forest in your area. Label the different layers. (If you don't live in an area that has forest, choose an area that does and draw a picture of that forest.)
3. Identify six forest trees common to the area where you live. Tell how both wildfire and humans use the. (If you don't live in a region that has forests, read about one type of forest and name six of its trees and their uses.)
4. Identify 6 forest plants (other than trees) that are useful to wildlife. Tell which animals use them and for what purposes.
5. Draw a picture showing:  
how water and minerals in the soil help a tree grow

- how the tree uses sunlight to help it grow
6. Make a poster showing how a tree's growth rings or examine the growth rings of a tree stump. Explain how the rings tell its life history.
  7. Collect pieces of three kinds of wood used for building houses. Tell what kinds of wood they are and one place each of them might be used.
  8. Plant 20 forest tree seedlings. Tell how you planted them and what you did to take care of them after planting.
  9. Describe both the benefits and the harm wildfires can cause. Tell how you can help prevent wildfire.
  10. Draw your own urban forestry plan for adding trees to a street yard, or park near your home. How what types of trees you would like to see planted.

## 18. Geologist (Page 279)

### Do Five of These:

1. Collect five geologic specimens that have important uses.
2. Rocks and minerals are used in metals, glass, jewelry, road-building products, and fertilizer. Give examples of minerals used in these products.
3. Make a scale of mineral hardness for objects found at home. Show how to use the scale by finding the relative hardness of three samples.
4. List some of the geologic materials used in building your home.
5. Make a drawing that shows the cause of a volcano, a geyser, or an earthquake.
6. Explain one way in which mountains are formed.
7. Describe what a fossil is. How is it used to tell how old a formation is? Find two examples of fossils in your area.
8. Take a field trip to a geological site, geological laboratory, or rock show. Discuss what you learned at your next Webelos den meeting.
9. While you are a Webelos Scout, earn the Academics belt loop for Geology.

## 19. Naturalist (Page 317)

### Do This:

1. a. Complete the [Character Connection](#) for Respect.
  1. **Know**- Tell what interested you most when completing the requirements for this activity badge. Tell what you learned about how you can show appreciation and respect for wildlife.
  2. **Commit**- Tell things some people have done that show a lack of respect for wildlife. Name ways you will show respect for and protect wildlife.
  3. **Practice**- Explain how completing the requirements for this activity badge gives you the opportunity to show respect.

### Do Five of These:

2. Keep an "insect zoo" that you have collected. You might have crickets, ants, or grasshoppers. Study them for a while and then release them. Share your experience with your Webelos den.
3. Set up an aquarium or terrarium. Keep it for at least a month. Share your experience with your Webelos den by showing them photos or drawings of your project, or having them visit to see your project.
4. Visit a museum of natural history, nature center, or zoo with your family, den or pack. Tell what you saw.
5. Watch for birds in your yard, neighborhood, or town for one week. Identify the birds you see and write down where and when you saw them.
6. Learn about the bird flyways closest to your home. Find out which birds use these flyways.

7. Learn to identify poisonous plants and venomous reptiles found in your area.
8. Watch six wild animals (snakes, turtles, fish, birds, or mammals) in the wild.  
Describe the kind of place (forest, field, marsh, yard, or park) where you saw the.  
Tell what they were doing.
9. Give examples of:
  - a. a producer, a consumer, and a decomposer in the food chain of an ecosystem.
  - b. one way humans have changed the balance of nature.
  - c. how you can help protect the balance of nature.
10. Identify a plant, bird or wild animal that is found only in your area of the country.  
Tell why it survives only in your area.
11. Learn about aquatic ecosystems and wetlands in your area. Discuss with your Webelos den leader or activity badge counselor the important role aquatic ecosystems and wetlands play in supporting lifecycles of wildlife and humans.

## 20. Outdoorsman (Page 343)

### Do Two of These:

1. Present yourself to your Webelos den leader, properly dressed, as you would be for an overnight campout. Show the camping gear you will use. Show the right way to pack and carry it.
2. With your family or Webelos den, help plan and take part in an evening outdoor activity that includes a campfire.
3. With your parent or guardian, take part in a Webelos den overnight campout or a family campout. Sleeping a tent that you have helped pitch.
4. With your parent or guardian, camp overnight with a Boy Scout troop. Sleep in a tent you have helped pitch.

### Do Five of These:

5. During a Webelos den meeting, discuss how to follow the Leave No Trace Frontcountry Guidelines during outdoor activities. (See page 72.)
6. Participant in an outdoor conservation project with your Webelos den or a Boy Scout troop.
7. Discuss with your Webelos den leader the rules of outdoor fire safety. Using these rules, show how to build a safe fire and put it out.
8. With your accompanying adult on a campout or outdoor activity, assist in preparing, cooking and cleanup for one of your den's meals. Tell why it is important for each den member to share in meal preparation and cleanup, and explain the importance of eating together.
9. Discuss with your Webelos den leader the things that you need to take on a hike.  
Go on one 3-mile hike with your Webelos den or a Boy Scout troop.
10. Demonstrate how to whip and fuse the ends of a rope.
11. Demonstrate setting up a tent or dining fly using two half hitches and a taut-line hitch. Show how to tie a square knot and explain how it is used.
12. Visit a nearby Boy Scout camp with your Webelos den.

## WEBELOS BADGE REQUIREMENTS (Page 49)

1. a. Complete the [Character Connection](#) for Faith.  
After completing the rest of requirements 8, **DO THESE (a, b and C):**
  1. **Know-** Tell what you have learned about faith.
  2. **Commit-** Tell how these faith experiences help you live your duty to God.  
Name one faith practice that you will continue to do in the future.
  3. **Practice-** After doing these requirements, tell what you have learned about your beliefs.

**AND do one of these (d OR e):**

- d. Earn the religious emblem of your faith.\* (\*If you earned your faith's religious emblem earlier in Cub Scouting and your faith does not have a Webelos religious emblem, you must complete requirement 8e. Completion of requirement 8e does not qualify a youth to receive the religious emblem of his faith.)
- e. **DO 2 OF THESE:**
  - a. Attend the mosque, church, synagogue, temple, or other religious organization of your choice; talk with your religious leader about your beliefs. Tell your family and your Webelos den leader what you learned.
  - b. Discuss with your family and your Webelos den leader how your religious beliefs fit in with the Scout Oath and Scout Law and what character-building traits your religious beliefs have in common with the Scout Oath and Scout Law.
  - c. With your religious leader, discuss and make a plan to do two things you think will help you draw nearer to God. Do these things for a month.
  - d. For at least a month, pray or mediate reverently each day as taught by your family and by our church, temple, mosque, synagogue, or religious groups.
  - e. Under the direction of your religious leader, do an act of service for someone else. Talk about your service with your family and your Webelos den leader. Tell them how it made you feel.
  - f. List at least 2 ways you believe you have lived according to your religious beliefs.

**COMPASS POINTS EMBLEM (Page 61)**

**ARROW OF LIGHT (Page 63)**

**WORLD CONSERVATION AWARD (Page 70)**

**THE CUB SCOUT ACADEMICS AND SPORTS PROGRAM (Page 71)**

**CUB SCOUTING LEAVE NO TRACE AWARENESS AWARD (Page 73)**