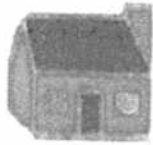


HANDYMAN



HANDYMAN

Do These:

1. With your parent, guardian, or Webelos den leader, complete the **Responsibility Character Connection**.
 - a. **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.
 - b. **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.
 - c. **Practice:** Choose one of the requirements and show how you are responsible by doing that task well for two weeks.

And Do **Six** of These:

2. With adult supervision, wash a car.
3. Help an adult change a tire on a car.
4. With 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 on 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 and crank on a bicycle.
8. Properly inflate the tires on a bicycle.
9. Change the wheels on a skateboard or pair of inline skates.
10. Replace a light bulb in a fixture or lamp.
11. With adult supervision, arrange a storage area for household cleaners and other dangerous materials where small children cannot reach them.
12. Build a sawhorse or stool to be used around your home.
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 area.
16. Label hand tools or lawn and garden tools.
17. Put together a toolbox for common repairs around the house. Be sure the toolbox and tools are stored safely.

Handyman Activity Badge Outline -- Community Group

The Handyman Activity Badge is recommended to be presented in a one month format, as outlined in the Webelos Program Helps booklet. This example outline presents the Badge in four weekly meetings. The goal of this outline is to present material and discuss the material that will allow the Scouts to complete every requirement. The requirements for the most part must be completed at home. The exception is if the Den will do a bicycle clinic as described in this outline.

Because so much of this badge must be done at home it is suggested to alert the parents early. Use a requirements check off sheet such as the one attached to this outline. Send it to the parents a week before the work begins on this badge, or send it home at the prior Pack meeting. The work that will be done in the Den, other than the Bicycle Clinic, is rather light, so something else could be worked on at the same time.

Use the Webelos book in the meeting. Have the Scouts read sections from the book. Use all the resources you have available, such as the Program Helps and the Webelos Den Activities Book. Make sure you sign off their books each meeting.

Week 1

Requirements to be fulfilled:

Do Six of These:

1. With proper adult supervision, wash a car.
2. Help an adult change a tire on a car.
3. Replace a bulb in the taillight, turn signal, parking light, or headlight on a car.
4. Show how to check the oil level and tire pressure on a car.

Discussion :

1. Read the introduction and requirements on pages 195 - 197. Discuss the requirements and how they will be worked on in and outside the Den.
2. Read pages 197 - 201 on taking care of a car.
You can do some of these requirements as demonstrations using your own car. Show how to check the oil and tire pressure. Show how to change a tail light. You could even be the adult supervision and have the Scouts come to your house one or two each week and wash your car!!

Homework:

1. Work on your Handyman requirements at home with your parents. Have them initial the check list.

Week 2

Requirements to be fulfilled:

8. Replace a light bulb in a fixture or a lamp.
9. Arrange a storage area for household cleaners and materials that will be safe from small children
10. Build a sawhorse or stool to be used around your home.

Discussion :

1. Read pages 201 - 204 on Taking Care of Your Bicycle, in preparation for the Bicycle Clinic next week.
Tell the Scouts what they need to bring with them next week to the Bicycle Clinic. Make sure that the Scouts and the parents know where the clinic will be held. Arrange for any special transportation needs.
2. Read 204 - 208 on Handyman Around the House.
You can think up some demonstrations, like bring a lamp in to show them how to change a light bulb. Talk about storage areas. Show them a sawhorse, or even build one in the Den meeting.

Homework:

1. Work on your Handyman requirements at home with your parents. Have them initial the check list.

Week 3

Requirements to be fulfilled:

5. Make a repair to a bicycle, such as tightening the chain, fixing a flat tire, or adjusting the saddle or handlebars.
6. Properly lubricate the chain on a bicycle.
7. Properly inflate the tires on a bicycle.

Discussion :

Bicycle Clinic!

1. Prepare for the clinic. Make sure you have drop cloths and a place to set up where you will not get floors dirty and greasy. Make sure you have hand cleaning supplies on hand.
2. Everyone shows up with a bicycle. Show the Scouts what to look for on a bike -- dry chain, loose nuts, loose spokes, etc. Warn them not to mess with their spokes -- that must be done by someone who knows what they are doing.
3. Show the Scouts how to adjust a chain and lubricate it. Let each Scout adjust and lubricate their own chains.
4. Demonstrate how to fix a flat tire. Make sure all Scouts see what you are doing.
5. Let each Scout properly inflate their tires. Show them on the tire where it says how much pressure to inflate them to.
6. Let the Scouts adjust their saddles and handlebars as needed.

Homework:

1. Work on your Handyman requirements at home with your parents. Have them initial the check list.

Week 4

Requirements to be fulfilled:

11. Mow a lawn and properly rake and dispose of the clippings.
12. Arrange a storage area for hand tools and lawn and garden tools.
13. Clean and properly store hand tools or lawn and garden tools in their storage area.

Discussion :

1. This is the last week for this badge. Review the Check Lists. Sign off the Scouts's books.



WEBELOS HANDYMAN



DEN ACTIVITY IDEAS

- Lawn Tip Booklet: Have each boy interview parents and neighbors for lawn care tips. Combine the tips into a booklet, print them up and hand out at pack meeting.
- Have the boys (with adult supervision) help someone by mowing their lawn. This could be an elderly couple, widow or widower, single parent, etc.

BE A TIRE DETECTIVE

You can be a tire detective and analyze the tread on your family car – or any car. The tire tread offers many clues about a car's condition and the way it is being driven. Most tires have built in tread wear indicators, which appear as hard rubber bars across the tread when it has worn down to 1/16 of an inch above the tire's surface. When tread wear indicators appear in two or three places, the tire is considered too worn for safe driving.

Look at the pattern of wear on each tire. Is it over inflated? If the tread is worn in the middle and not on the sides, there is too much air in the tire. Is it under-inflated? If the tread is worn on the sides and not down the middle, it does not have enough air. Check the sidewalls of the tire or the car owner's manual for the correct inflation pressure. It will be listed in pounds per square inch (PSI). Then, check the pressure with a tire gauge and, if needed, have more air added at a service station. Because the air in tires heats up and expands with a lot of driving, check the tire pressure in the morning, before the car is used.

CAR NECKERCHIEF SLIDE

Materials needed:

*Matchbox or other inexpensive miniature toy car
hot glue gun ½" PVC pipe, short length*

Glue the toy car to PVC pipe, which will become the neckerchief slide back.



CAR HANDYMAN IDEAS

- Have a couple of the den parents bring their cars to the den meeting. Do the requirements listed in the Webelos handbook, then serve refreshments.
- Visit an auto shop or neighborhood mechanic. Have an expert demonstrate tips on how to change car light bulbs, tires, etc.
- Go to an auto show.
- With plenty of adult supervision, take the boys to a local motor speedway.



WEBELOS HANDYMAN



CAR WASH EXPERTS

Have the boys stock a bucket with items needed for washing cars. Make a copy of the Car Washing Tips card, laminate it, and attach it to the bucket. Turn on the water and let them wash your car.

CAR WASHING TIPS

SPONGE

Start from top of car and work toward the bottom so the dirt doesn't move onto the cleaned area.

SCRUB BRUSH, SCOURING POWDER

Use on the sides of the tires to brighten the white walls. Brush can also be used on door jams, wheel wells, and floor mats. **DO NOT** use abrasive brush or scouring powder on chrome or painted body of the car - it may scratch.

VACUUM, NOZZLE

Use long, pointed nozzle to clean in crevices on backs of seats and between seats.

SOFT CLOTH, VINYL POLISH

Use on the dashboard only. Do not use on any clear plastic glass covering speedometer, or other gauges - it will dull and fog plastic.

WINDOW CLEANER, PAPER

Clean all windows inside and out and the rear view mirror. Make sure you wipe until it is completely dry - streaks will form on any glass area left wet.

PRESSURE GAUGE

Check for tire pressure shown in car manual

CLOTH

With adult supervision, check the oil level

WINDSHIELD WASHING FLUID

Refill fluid for wipers

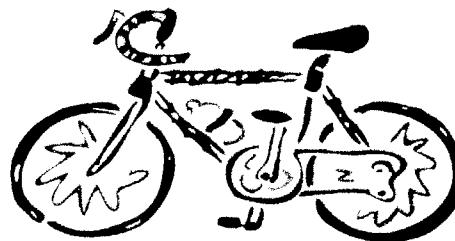


WEBELOS HANDYMAN



BICYCLE HANDYMAN IDEAS

- Have the boys bring their bikes to den meeting at a local park. Do requirements 5, 6, and 7 from the handbook, then go for a bike ride to help earn the Bicycling Belt Loop and the Bicycle Helmet Safety patch.
- Have the boys help plan a mini bike rodeo for a pack meeting where all the Cubs are invited to bring their own bikes. Webelos can set up a “safety station”, where they check the condition of safety equipment on the bikes and go over safety tips with the younger Cubs. Contact the police department to see if someone can come to register bikes in case of theft. In some areas, the police department will run a bike rodeo and safety program for you if the entire pack is involved.
- Ride to the neighborhood park and have a picnic.
- Go to a bike shop and have an expert demonstrate different types of bikes and show how to take care of a bike.



BICYCLE HINTS

Secure copies of bicycle maintenance manuals for each boy in your den. The American Automobile Association (AAA) offers many pamphlets and checklists free. Local bike dealers or repair shops may also be able to provide information.

FRAME

Watch for cracking of paint, which usually indicates a break in the metal frame. If a crack is apparent, have it brazed, welded, or repaired immediately. Care for your bicycle as thoroughly as an adult does a car - wash, wipe, wax, and polish often.

CHAIN

Keep it clean by washing it occasionally and removing grit and dirt. Oil and adjust properly to prevent it from coming off the sprockets. Light oil is best for lubricating.

WHEEL BEARINGS

To clean, loosen the cones and wash carefully with cleaning solvent, rolling them in the liquid until clean. Dry thoroughly, re-adjust the cones, and re-pack with bearing grease.

HANDLE GRIPS

Could cause you to take a “nose-dive” if not fastened tightly. If necessary, glue them on to avoid slipping.

HEADLIGHTS AND REFLECTORS

Keep these clean and, if you must ride at night, lighted. Motorists depend on you to have and use this equipment.



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WEBELOS HANDYMAN



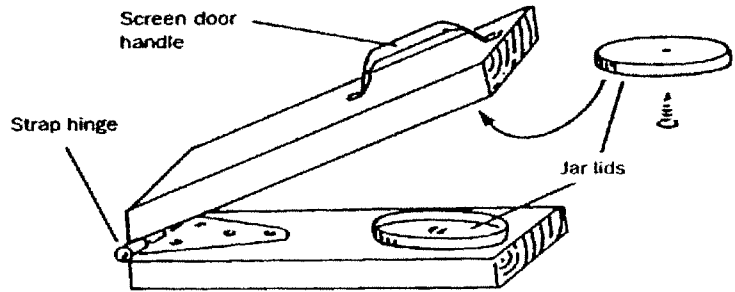
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RECYCLER'S CAN CRUSHER

Materials needed:

- 2 pieces of 2" x 4", 16" long
- 1 sturdy strap hinge and screws
- 2 low-profile jar lids and screws
- 1 heavy duty screen door handle

In the recycling of aluminum can, the cans take up less space if crushed flat. As a crushing device, you'll be hard-pressed to beat a strong leg and an old army boot. However, if you're tired of stomping, consider making the can crusher show here. Follow the diagram to put the crusher together. The jar lids will prevent the can from slipping out. Cans will crush more easily if you bend the sides in slightly with a squeeze.

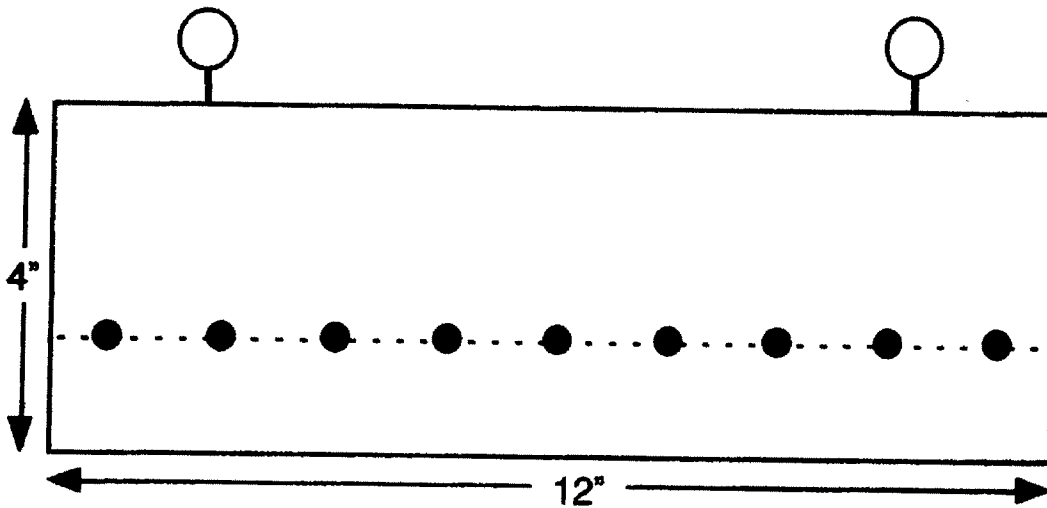


SCREWDRIVER HOLDER

Materials needed:

- 1" x 4" x 12" piece of wood
- 11 eyelets
- pencil
- paint or stain

Lay the piece of wood flat and measure approximately 1½" up from the bottom. Draw a faint line across the wood it. On the drawn line, measure in 1" inch increments and mark with a dot. Screw in an eyelet on each dot marked and erase line drawn across top of block. These eyelets will hold the shanks of the screwdrivers. Attach 2 eyelets on the top of your piece of wood to hang on the wall. Paint or stain as desired.



Webelos Handyman Activity Badge

The Handyman activity badge is designed to help teach the Webelos about home and automobile repairs and maintenance. This is a good opportunity to instill responsibility on how to care of their most expensive future purchases.

Activities

DEN MEETING FUN

- At a hardware store, visit the repair shop, and acquaint the Scouts with a few specific and varied sections in the store, like electrical supplies and hand tools. Look for ideas on how to set up a storage area for garden tools and hand tools.
- Arrange a presentation at a well equipped home workshop. Observing the use of various power tools. Talk about the safety precautions in a shop.
- Build a sawhorse.
- Arrange for a local mechanic to visit your Den or visit his garage, perhaps he can show your Den the safe way to change a tire, light bulb and to check the oil and transmission fluid.
- Invite someone for the local bicycling club to tell about the upcoming trips. Learn about the kinds of bicycles that are used. Put on a bicycle rodeo for your pack or Den.
- Check with the local fire marshal or poison control center to find out how to store household cleaners and materials that will be safe from small children.
- Visit a service station. Ask an auto mechanic to show the different types of equipment they use. Watch a demonstration of preventative maintenance.
- Visit a paint store and watch how colors are mixed. Look at the variety of brushes and the types of paint. Pick out a new color for your house and the trim.

PROJECTS

Leaking Faucet

1. A leaking faucet is usually due to a defective washer and is a problem that can easily and quickly be resolved.
 2. Shut off the water! If there isn't a valve under or near the sink, turn off the main supply valve.
 3. Unscrew cap nut of faucet.
 4. Using a flat wrench, unscrew nut on faucet and pull out stem assembly. (Cloth or cardboard under wrench jaws prevents scratching.)
 5. Remove screw on stem assembly, pry out old, worn washer, wipe out grime and put in new washer.
 6. Replace screw and reassemble faucet.
 7. Turn water back on.
- Check the garage or storage shed in your house to ascertain the tools or implements are properly and safely stored.
 - Have a clinic on the care and repair of bicycles. Set it up like a shop and have each boy bring his bike and do repairs.
 - Have Webelos bring tools to a Den Meeting and demonstrate different ways to mark them.
 - Hold a nail hammering contest. See who can hammer a nail in the fewest number of strokes.
 - Have a family car inspection.

REPAIRMAN OPENING

One Webelos stands in front of the group. His hair is messed up and his face is dirty. His shirttail is pulled out in a messy way. He has a pronounced frown on his face and stands all slouched over. The Den Chief comes and stands beside him and says the following: "This Webelos is in need of repair and I think I have just the tools to do the job."

He picks up a hammer to which a sign has been attached, "Do My Best," and pretends to hammer the boy. The Webelos tucks in his shirt and stands a little straighter.

Next the Den Chief picks up a screwdriver with the sign, "Do My Duty," and pretends to use it. The Webelos combs his hair and stands taller.

Next the Den Chief picks up the pliers which has a sign, "God and Country," and pretends to use it. The Webelos stands at attention and salutes the flag.

Next the Den Chief uses a saw which says, "Help Other People," and the Webelos washes his face.

Finally the Den Chief uses a plane labeled "Law of the Pack," and the Webelos

puts on his biggest smile.

Den Chief says, "Now this Cub Scout is really in good shape! Please join us in repeating the Cub Scout Promise."

ORDER OF THE CROSSED BOLTS

After completing Handyman your boys qualify for the Order of the Crossed Bolts. This is an old order from way, way, way back. In fact, this order is so seldom given that no one really knows how old it is. Anyway, you will need:

Two 2 1/2 bolts

One nut for the end of each bolt

Small, single strand wire

1. Screw the nuts onto the bolts a couple of turns. Put a drop of hot glue on the end of the bolt and turn the nut back onto the glue.
2. Lay the bolts on top of the other and form an "X".
3. Form a loop about the size of a quarter with the wire. Twist the ends together. With the remaining wire of the loop tie the bolts together. This should yield a slide with a loop in the rear and the two "Crossed Bolt" in the front.

Applauses

Hammer:

Pretend to put a nail on the wall and hit it three times. The yell "Owwwww!" and shake your hand.

Hydraulics:

Move hand up slowly with pumping action. Then let it go limp. Do again.

Bike Rodeo

Invite the Webelos to bring their bicycles to the next den meeting. First, have a safety inspection. Then learn how to change tires. See the Cub Scout How-To book for ideas on bike rodeo activities.

BICYCLE MAINTENANCE

Purpose: To familiarize scouts with basic bicycle maintenance and adjustments. To acquaint the scouts with the pride and satisfaction associated with being able to personally take care of one's property. To build the can-do spirit.

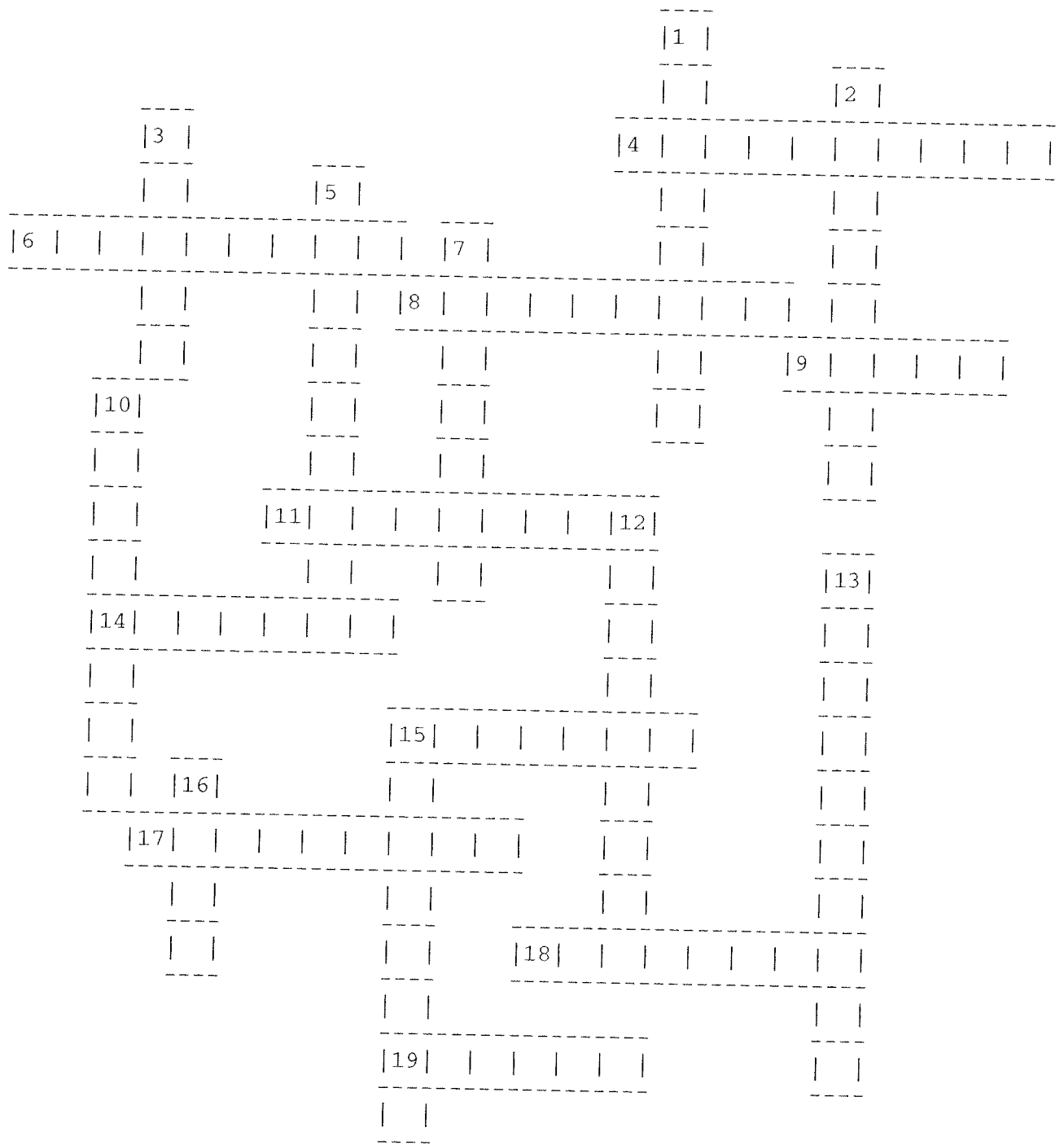
- Tighten chain, adjust saddle and handle bars
- Lubricate chain crank
- Check tire pressure
- Inflate tire (empty first)
- How to determine proper tire pressure

- Every Saturday:
 - Give it the air!
 - Pump tires to the recommended pressure:
 - Balloon 22 to 35 lbs.; lightweight 50 lbs.; single tube 40 lbs.
- Every Memorial Day and Labor Day
 - Is your chain a daisy?
 - It won't be unless you dunk it in oil, let it drain overnight, blot and apply graphite.
 - Skip the dunk, if you're lazy, and squirt oil on the chain without taking it off the sprockets. If it crackles and squeaks, oil it more often than twice a year. A good chain should be seen, not heard.
 - Clean and re-grease the crank bearings.
- Don't be a poor peddler! Squirt oil into the inner ends of the pedals. Spin them now and then. If they don't spin quietly, oil them more often or repack with grease.

GAMES

Divide the den into two teams. Have two laundry bags of household items at the front of the teams. Place an empty grocery sack at the end. Begin by having the first boy pull out one item and pass it on. When the item is deposited into the grocery sack, the end boy yells, "Next." Continue until all items are passed. Let the boys think that the object of the game is to be the first to empty their laundry bag and fill the grocery sack.

Take the bags away and give each boy a piece of paper. They have two minutes to write down what objects they remember passing.



Fill in the words to the crossword puzzle using these clues.

ACROSS

4. Bright lights on the front of a car are _____.
6. Cleaners that are _____ are often marked with a skull.
8. When it burns out, the _____ must be replaced in a lamp.
9. The _____ bulb in a turn signal can burn out.
11. One light found on the back of a car is a _____.
14. If a bike chain becomes too loose, you must _____ it.
15. An area where tools are stored is a _____ area.
17. To keep the grass cut, use a _____.
18. Keep household _____ in a safe storage area.
19. The seat on a bike or horse is called a _____.

DOWN

1. Air inside a tire exerts _____.
2. Use the _____ to check the level of oil in your car.
3. The extra tire carried in a vehicle is called the _____.
5. When you put oil on your bike chain, you _____ it.
7. A two wheeled vehicle Scouts can ride is a _____.
10. A nail on the road may cause a _____.
12. You need a _____ to check tire pressure.
13. To add air to a tire, use a pump or air _____.
15. This "horse" is helpful when cutting boards.
16. On Saturday, many people _____ their car.