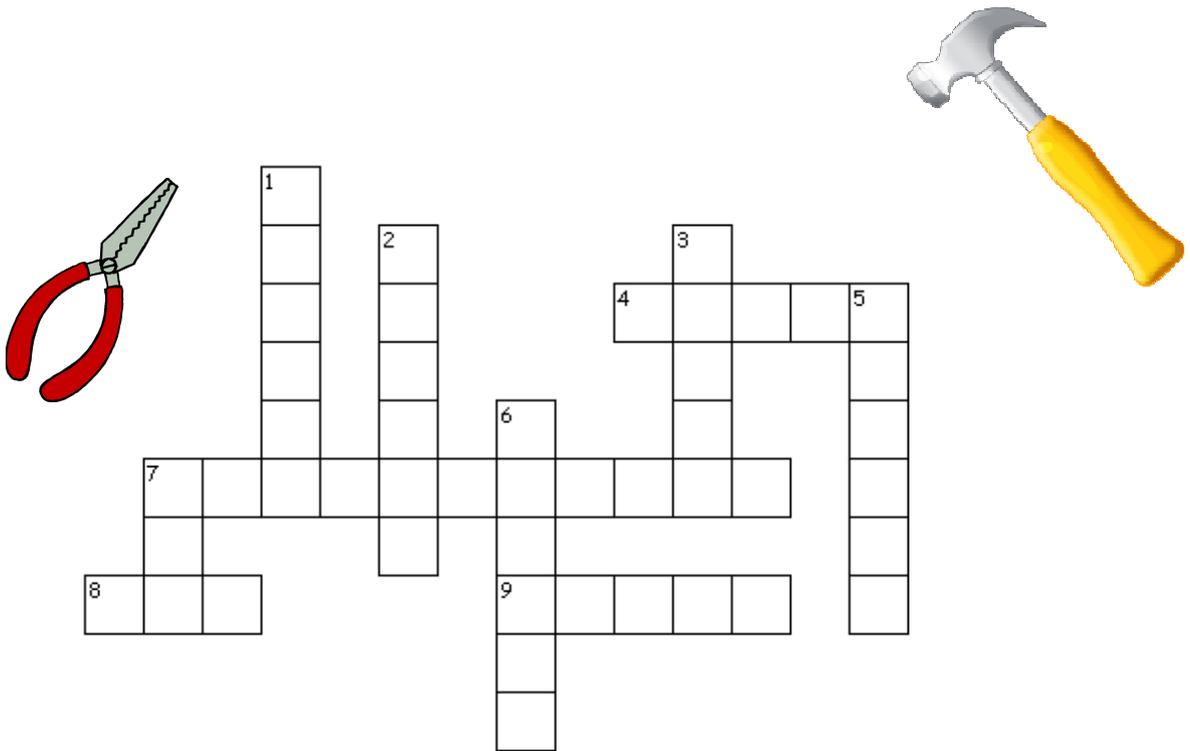


Tool Crossword



Across

4. Used to hold wood in place for sawing or planing.
7. Used for setting or driving screws with a flat or cross head.
8. Used to punch holes in leather.
9. Used to hold things together. These are often hit by a hammer.

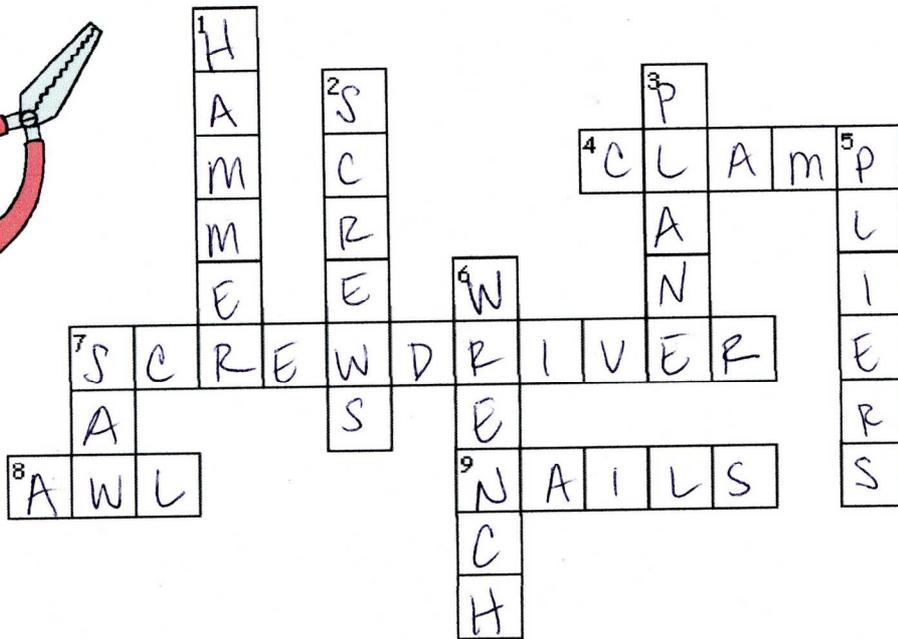
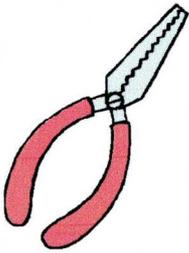
Down

1. Used for driving nails, for prying boards apart, and for pulling nails.
2. Used to hold things together. These are put into place using a screwdriver.
3. Used to smooth rough wood or boards.
5. Used for gripping things of different sizes. Often used for bending wire.
6. Used for tightening and loosening nuts.
7. Used for cutting wood or other materials.

Words to use:

Awl
Clamp
Hammer
Nails
Plane
Pliers
Saw
Screws
Screwdriver
Wrench

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Wrench

Tool Safety



Materials

Tool matching sheet copies

As many of the different tools as possible to show and demonstrate (if able)

Discussion

What do tools help us to do?

Most people use tools every day in their work. Think about the tools used by carpenters, automotive technicians, machinists who make precision metal parts, furniture makers, etc.

Whether you are working with wood, leather, plastic or some other material, you will need certain tools. Handle each one as if it could hurt you – because it could!

Tools that cut materials – such as saws, knives, and scissors – should be kept sharp. If they are dull, you may have to use too much force and they may slip and cut your hand.

Keep your hands away from saw teeth and knife blades so that if the tool slips, you won't get hurt.

Be careful when you're hammering. If you miss the nail head, you might hit your thumb!

The most important tool safety tip is to use the right tool for the right job.

How can we be safe when we use tools?

Here are a few tips:

Never use pliers as a hammer nor hammer on the handles. They may crack or break, or edges may be nicked by such abuse.

Never strike any hammer with or against another hammer.

NEVER use a hammer with a loose handle. Loose handles should be replaced or fitted with new wedges of the proper size. Replacement handles should be of the same length and quality as the original.

Misuse of the screwdriver, such as striking it with another tool or using it as a prying tool, could cause the screwdriver to break and cause serious personal injury, as well as possible damage to other equipment.

Using Tools Activity

Screwdrivers and Pliers

Materials:

Screwdrivers (both Phillips and regular)
Pliers (long-nosed work best)
Screws (both Phillips and regular)
Scrap pieces of wood
Cup or small container to catch the screws



Instructions and Introductions:

Divide your Cub Scouts into groups of 6 to 8 Cub Scouts or larger sized groups depending on the number of tools you have as well.

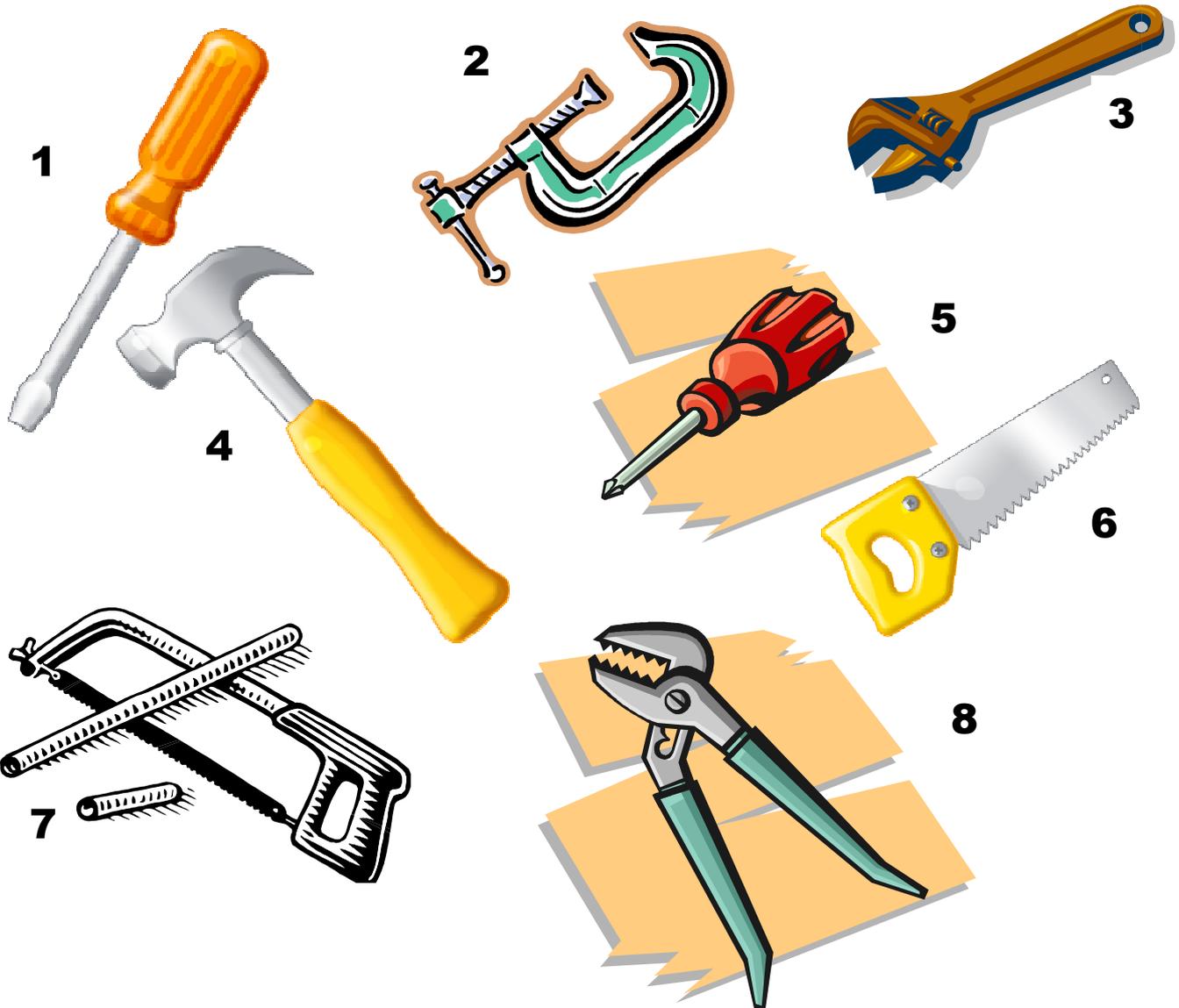
Before distributing the materials, explain to the Cub Scouts (or have an older Webelos Scout explain) the difference between a regular screwdriver and a Phillips screwdriver. Show them also the differences in a regular and a Phillips screw. Also show them the pliers. Show them how they work.

Do not distribute all materials at once (see instructions below in brackets for working with limited supplies).

1. Give each group a Phillips screwdriver and a regular screwdriver, 4 screws (some of each kind), and a block of wood. Cub Scouts should each get an opportunity to use the correct screwdriver to put a screw into the board as well as remove the screw with the screwdriver from the board.
2. Give each group a set of pliers, several screws and a cup. Cub Scouts should each get an opportunity to put 2 screws into a cup using the pliers.

[If supplies are limited, other groups can work on picking up the screws with the pliers and putting them in their cup. Separate groups can be working on steps 1 and 2 at the same time.]

MATCH THE TOOLS



- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____

Choose from the following tool names:

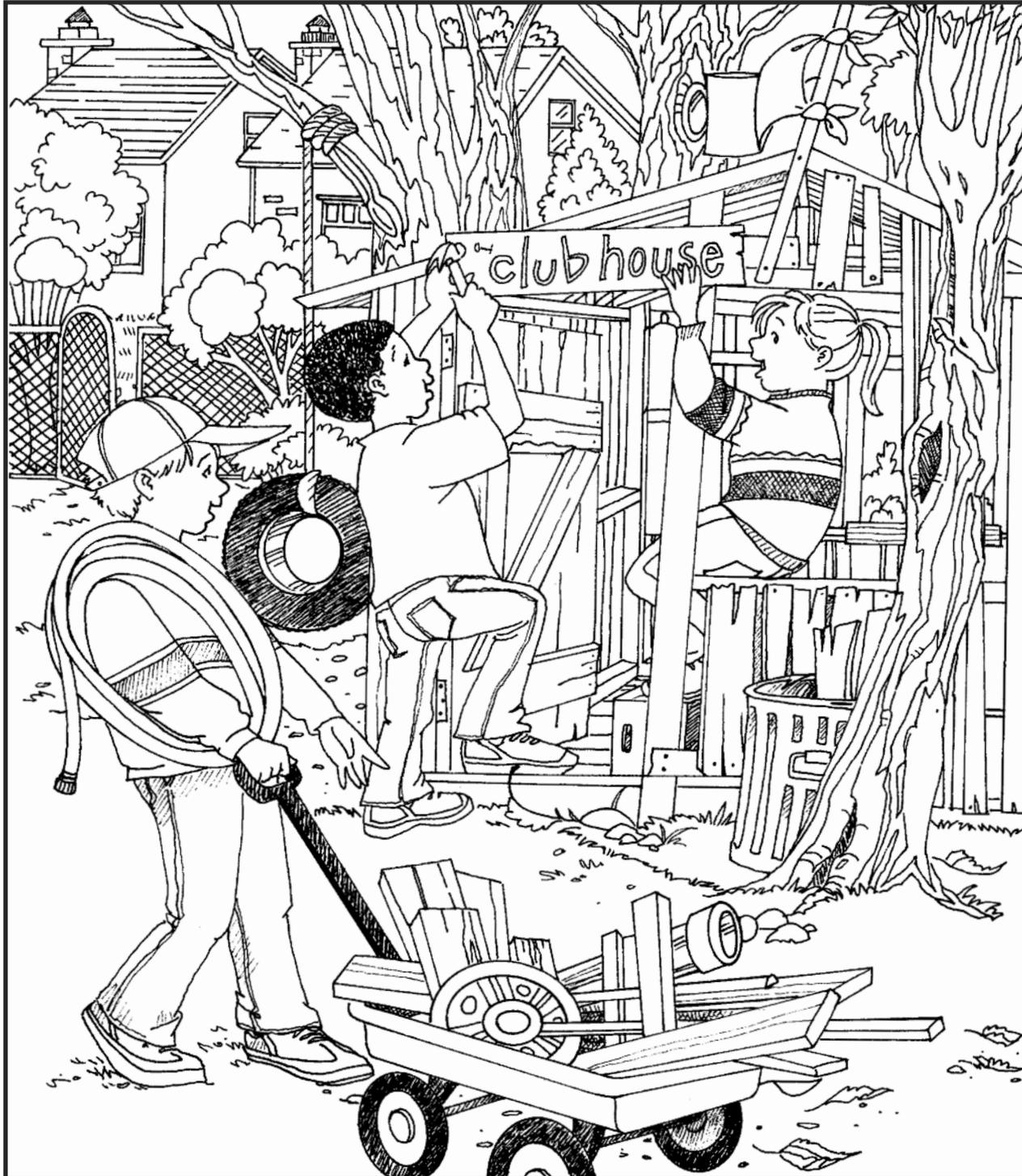
- Hammer
- Hacksaw
- Saw
- Phillip's Screwdriver
- Standard Screwdriver
- C-Clamp
- Adjustable Wrench
- Pliers

Match the Tools Sheet – Answers

1. Standard Screwdriver
2. C-Clamp
3. Adjustable Wrench
4. Hammer
5. Phillip's Screwdriver
6. Saw
7. Hacksaw
8. Pliers

Building a Clubhouse

By Linda Weller

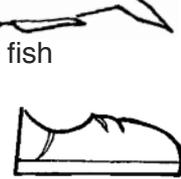


In this big picture, find the toothbrush, bow tie, screwdriver, ice skate, pencil, bell, hoe, sailboat, cotton candy, fire helmet, carrot, orange slice, hat, hiking boot, mallet, telescope, fish, fork, candle, pizza slice, pie slice, seal, screw, and spoon.

Can you find these
Hidden Pictures®



fish



shoe



candle



fishhook



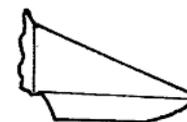
cupcake



carrot



pot



slice of pie



spoon



pen



key



mug



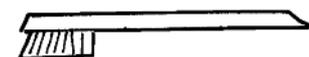
ring



ice-cream
cone



giraffe



toothbrush

Tool Card Concentration Game



Materials

Tool Cards printed on card stock

Scissors

If cards are not previously cut out, cut each card out in between the lines. Each small group of Cub Scouts should have 1 set of cards with 16 cards.

This is a concentration/matching game. All 16 cards are laid on a table, floor or other surface with the blank side up (so you can't see any pictures or writing). Place in four rows of four cards each.

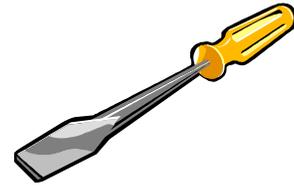
The first player turns over two cards. If the cards match (meaning the right tool, with the right use), he gets another chance to match two cards. If the cards he turned over did not match, then he turns the cards back over and then next person takes a turn.

The game continues until all cards are matched. The person with the most matched pairs wins the game.

Then shuffle the cards and set them out again to play again.



Wrench



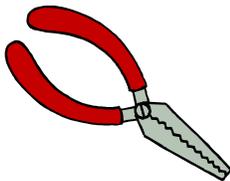
**Standard
Screwdriver**



**Phillips
Screwdriver**



Hammer



Pliers



Clamp



Wood Plane



Hand Saw



This tool is used for tightening and loosening nuts.



This tool is used for setting or driving screws with a flat head.



This tool is used for setting or driving screws with a cross head.



This tool is used for driving nails, for prying boards apart, and for pulling nails.



This tool is used for gripping things of different sizes. It is often used for bending wire.



This tool is used to hold wood in place for sawing or planing.

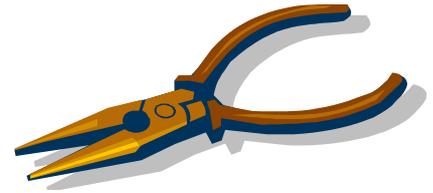


This tool is used to smooth rough wood or boards.



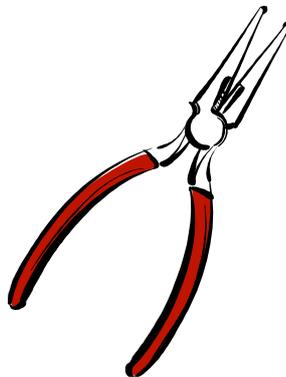
This tool is used for cutting wood or other materials.

Long-Nose Pliers



You can use long-nose pliers for many things to make your job easier. Long-nose pliers are sometimes called chain-nose pliers, snipe-nose pliers, or needle-nose pliers. These are all names for pliers with long, thin noses. The nose on the pliers is the two-part mechanism that meets for gripping when the jaws of the pliers are closed. Just like the jaws of an alligator.

1. Open pliers carefully. Be careful when opening long-nose pliers. It's possible to open the pliers too far and get the jaws out of alignment.
2. You can get into small areas with long-nose pliers. These pliers can be thought of as an extension of your hand. The long nose gives you an extended reach and allows you to work in tight spots that your fingers or hands can't reach. Use the tip of the nose to grip items.
3. You can bend or shape wire with long-nose pliers. Wire can be bent with long-nose pliers by placing the wire inside the teeth and grasping the wire with your other hand. The pliers act as a vise to hold the wire in one spot while you bend the wire with the other hand.
4. You can twist wire together with long-nose pliers. You can hold two pieces of wire together in one hand and grab the wires with the pliers in your other hand. The wires can then be twisted together.



Wired Snakes

Materials:



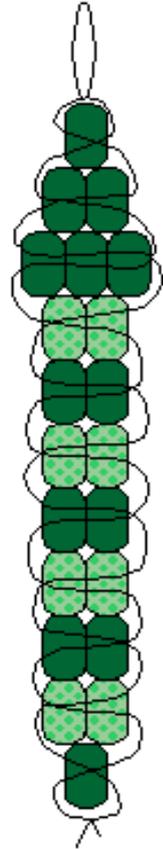
- 21 beads per Cub Scout
- Large paperclip or lanyard hook
- 3 feet of floral wire per Cub Scout
- Pliers

Fold your wire in half gently to find the center. In the center, make a loop in the wire and twist once or twice. This will be the top of your snake.

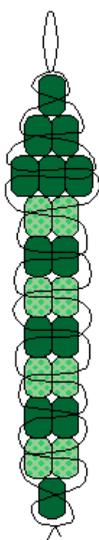
Lace beads onto the wire using the picture as a pattern.

Finish the construction of the snake by twisting the wires together at the bottom. Have an adult help you to cut any extra wire off of the snake.

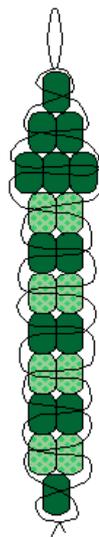
Attach a lanyard or a paperclip to the top loop so that you can attach your wire snake to your backpack or anything else.



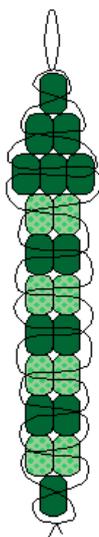
Wired Snake



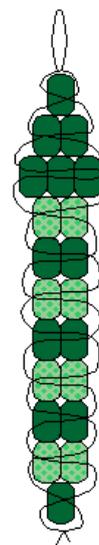
Wired Snake



Wired Snake



Wired Snake



Building Super Cub Scouts Closing

Materials: None

Cubmaster:

We can build buildings with hammers and nails and boards and lots of work. We can put together bicycles with screwdrivers and screws and wrenches and lots of work.



Did you know that we can build super Cub Scouts as well?

Cub Scouts turn into SUPER Cub Scouts when:

Cub Scouts learn something new.

Cub Scouts listen to the leaders and obey their leaders.

Cub Scouts make new friends.

Cub Scouts share things and ideas with their friends

Cub Scouts have fun.

Let's keep building every time we come to Cub Scout meetings and remember to do our best to live by the Scout Oath and Scout Law.

Building Tools Opening

Materials:

Pre-printed cards with the picture of the tool on one side and the quote on the other side.

Have boys hold up a card or act out how to use each tool as they talk about how they can build a better America.

Cubmaster: We are the future builders of America. This is how we will shape tomorrow.

Cub Scout #1: We will hammer out justice. (Hammer)

Cub Scout #2: We will help cut out crime. (Saw)

Cub Scout #3: We will pinch out poverty. (Pliers)

Cub Scout #4: We will wrench out discrimination. (Wrench)

Cub Scout #5: We will live by the Golden Rule. (Ruler)

Cub Scout #6: We will plunge out hatred. (Plunger)

Cub Scout #7: We will drill love deep into our hearts. (Drill)

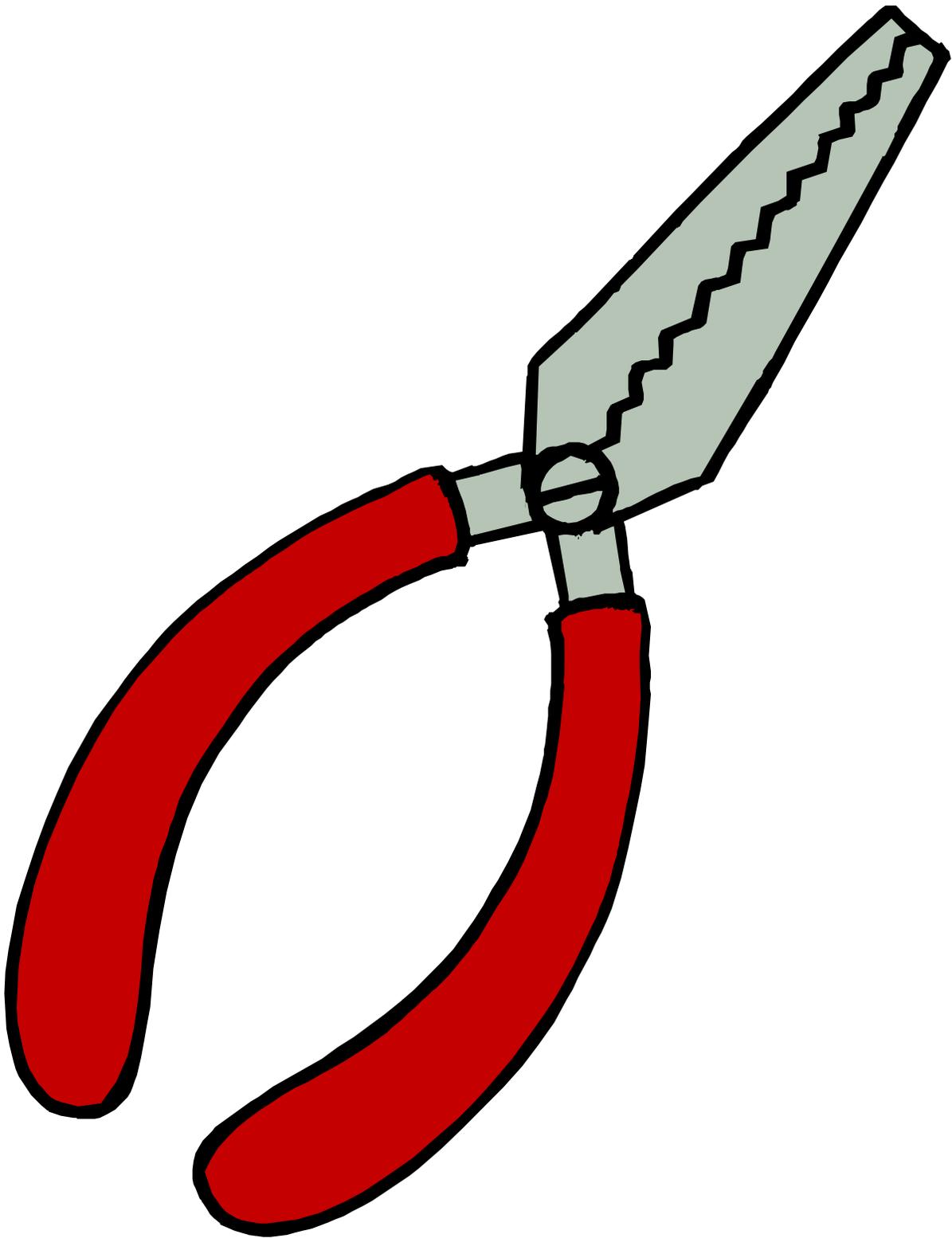
Cubmaster: We can build a better America as we use the tools that we each have and share. Please join us in the Pledge of Allegiance and in the Scout Oath and Scout Law.



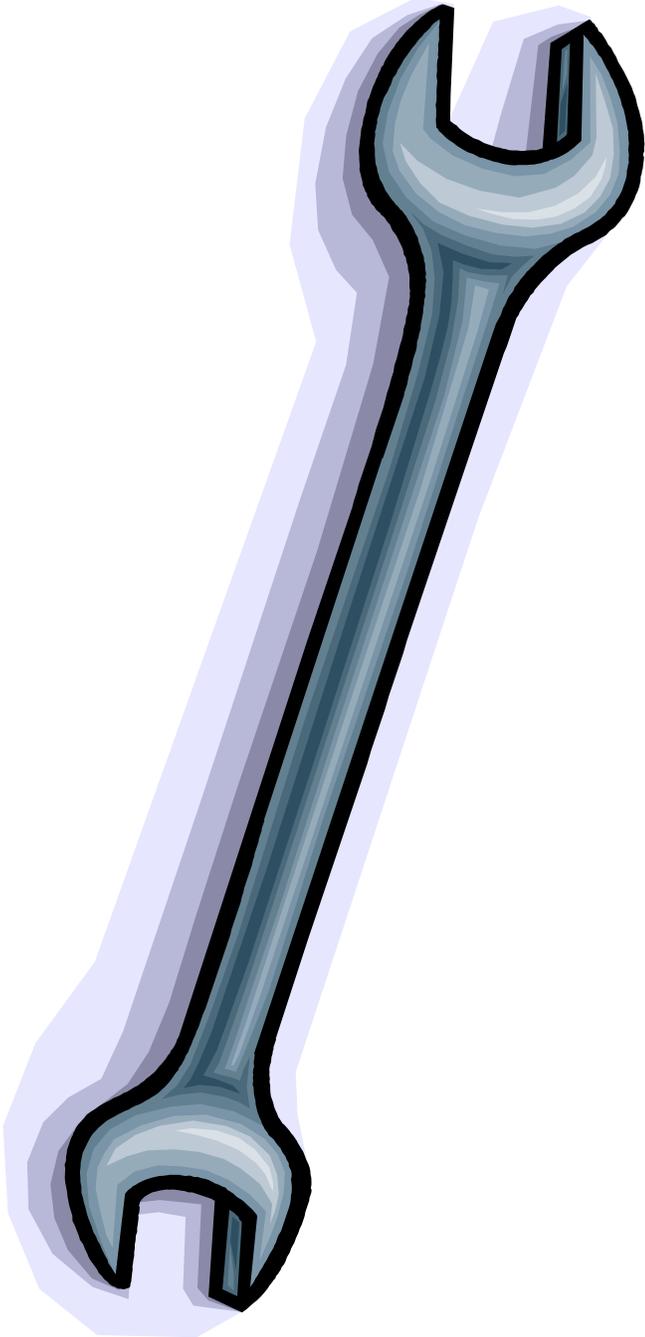
Cub Scout #1: We will hammer out justice.



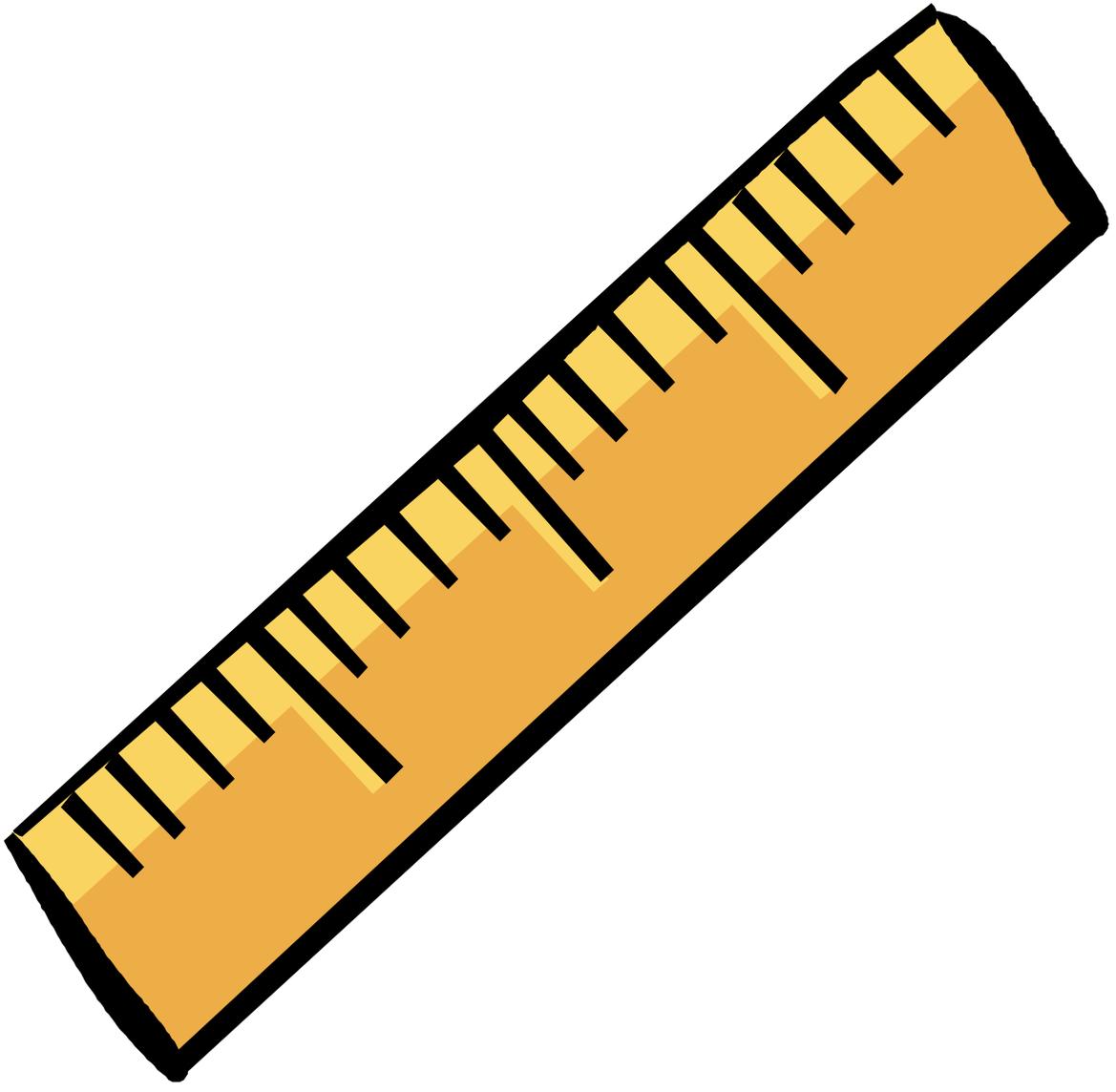
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