







I THINK WE
HAVE TO INVENT
THE SOLUTION, IN A
BIGGER WAY THAN WE
EVER HAVE BEFORE.
THIS NEIGHBORHOOD
NEEDS A -

PRESENTED BY HOWTOONS
AND THE LEMELSON-MIT
INVENTEAMS.

WRITTEN BY JEFF PARKER, ART BY SANDY JARREL, EDITS BY LEIGH ESTABROOKS

















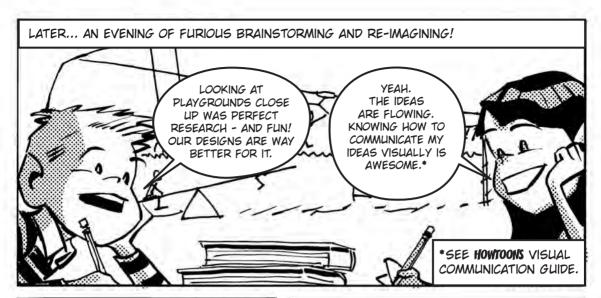
































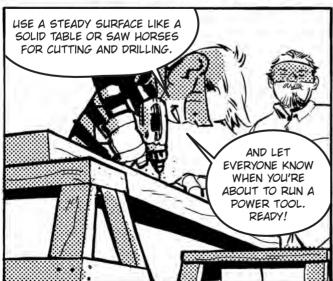






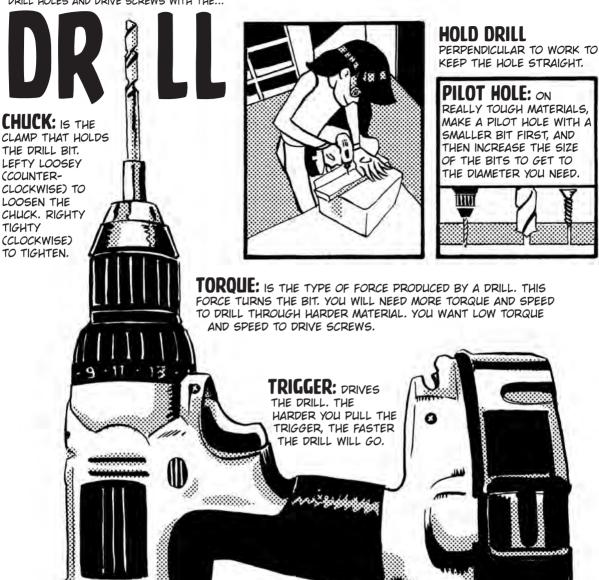






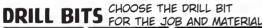


DRILL HOLES AND DRIVE SCREWS WITH THE ...

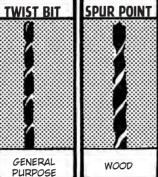


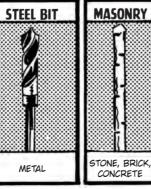
ROTATION DIRECTION R = TURNING RIGHT MOVING THE DRILL FORWARD.

L = TURNING LEFT MOVING THE

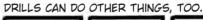


SPUR POINT STEEL BIT

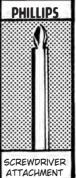




DRILL IN REVERSE.









BATTERY

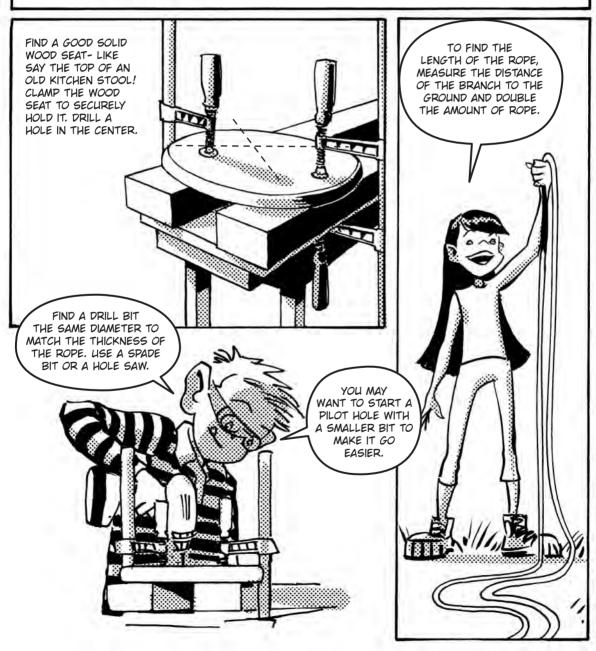


GET STARTED

TIME TO GET TO WORK! PICK THE SIMPLEST PROJECT FIRST SO YOU CAN SEE RESULTS FASTER, AND BUILD YOUR SKILLS AS YOU GO.

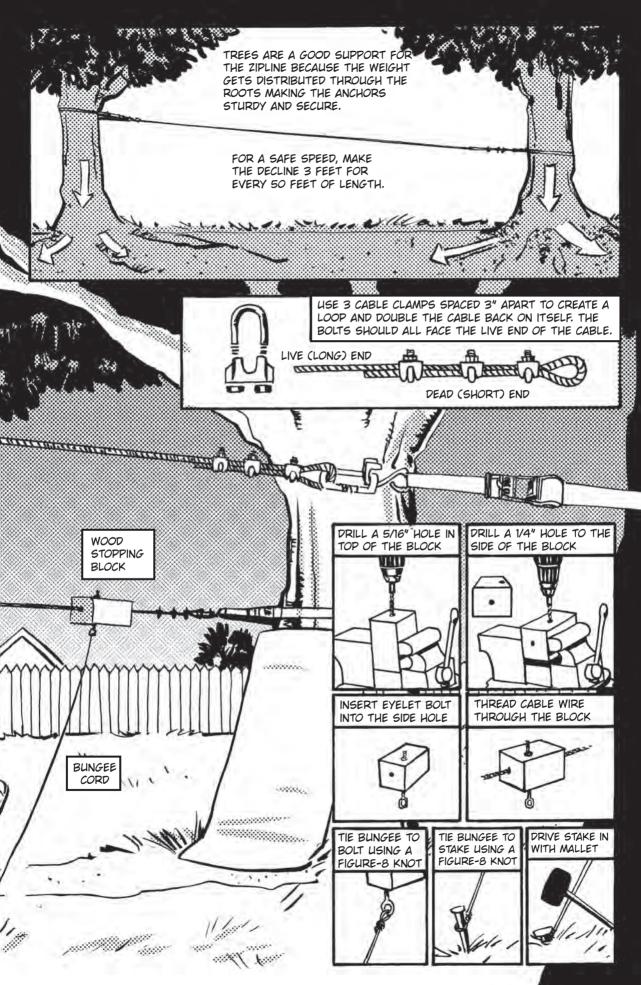
MATERIALS AND TOOLS:

- -CIRCLE OF WOOD 1 1/2" X 12" -50 FEET OF ROPE AT LEAST 1/4" THICK
- -DRILL
- -CLAMPS

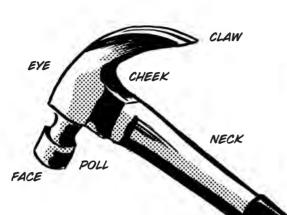








HAMMER IS A TOOL MEANT TO DELIVER FORCE. ALWAYS WEAR YOUR



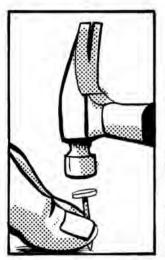
REMOVING NAILS SLIDE THE CLAW UNDER THE NAIL AND PULL THE HAMMER TOWARDS YOU TO EXTRACT THE NAIL.



HOLD THE HAMMER

NEAR THE END OF THE HANDLE WITH A FIRM GRIP. THIS WILL GIVE YOU MORE POWER WHEN SWINGING.

GRASP THE NAIL BETWEEN YOUR THUMB AND YOUR FOREFINGE. LIGHTLY TAP TO SET IT INTO THE SURFACE.



SWING USING YOUR WHOLE ARM AND ELBOW AND LET THE WEIGHT OF THE HAMMER BE THE FORCE.

HANDLE



CONTACT THE NAIL HEAD SQUARELY WITH THE HAMMER.

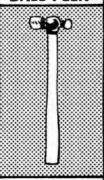




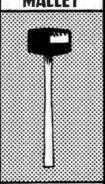


FOR POUNDING NAILS. THE CLAW PART IS USED FOR PULLING NAILS OUT

BALL PEEN

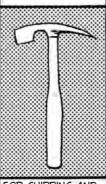


FOR DRIVING A CHISEL OR A PUNCH.



FOR DELICATE WORK WITH WOOD AND METAL.

STONE MASONRY



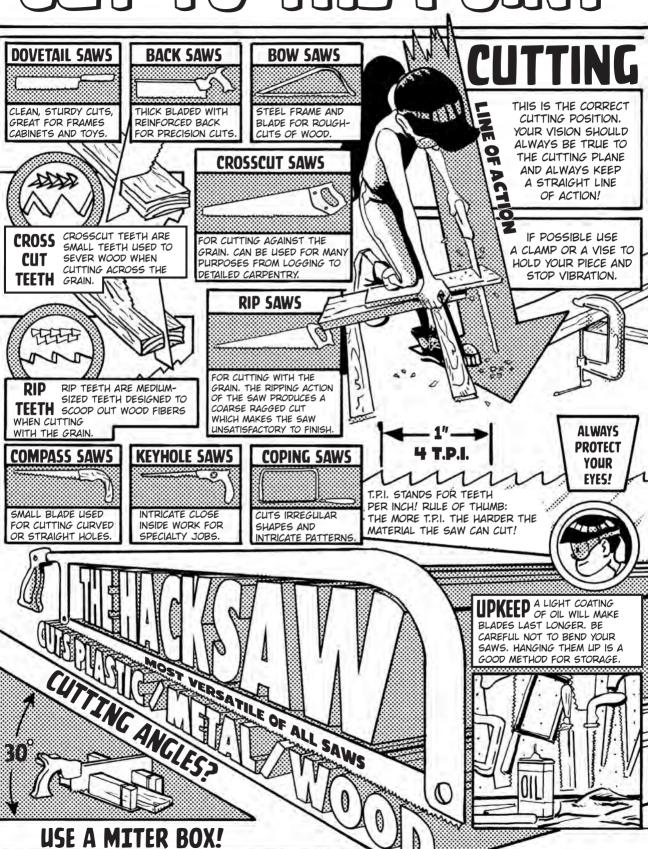
FOR CHIPPING AND CHISELING STONE, BRICK, AND CONCRETE.

LIGHTWEIGHT

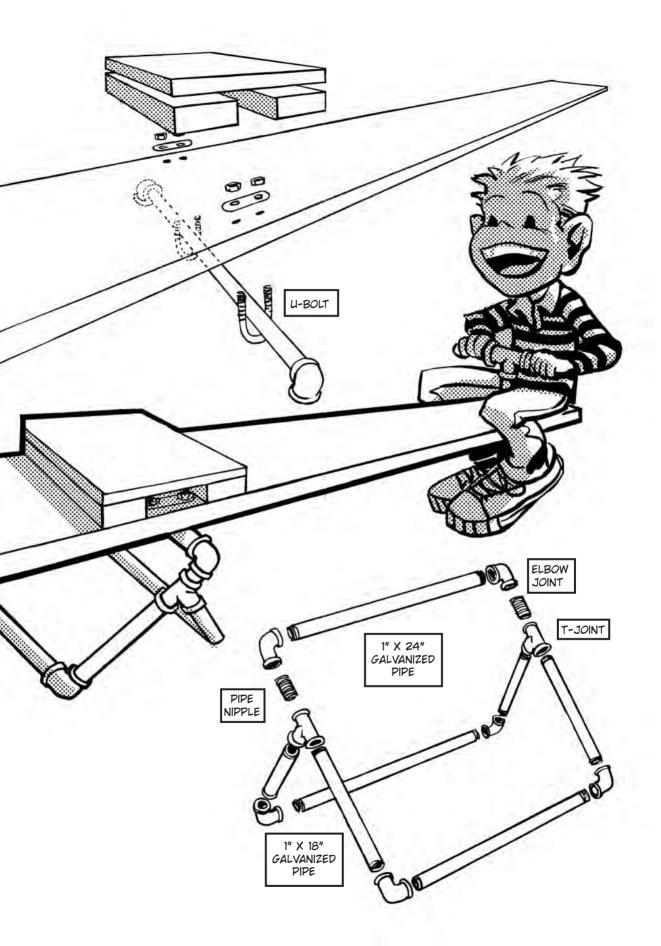


FOR SMALL PROJECTS AND CRAFTS.

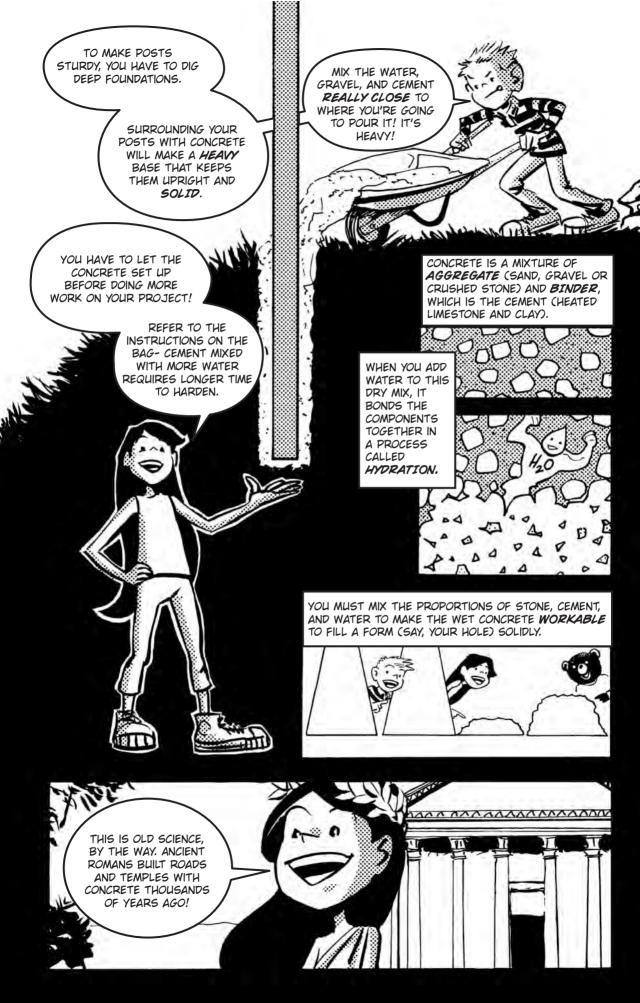
CIT TO THE POINT

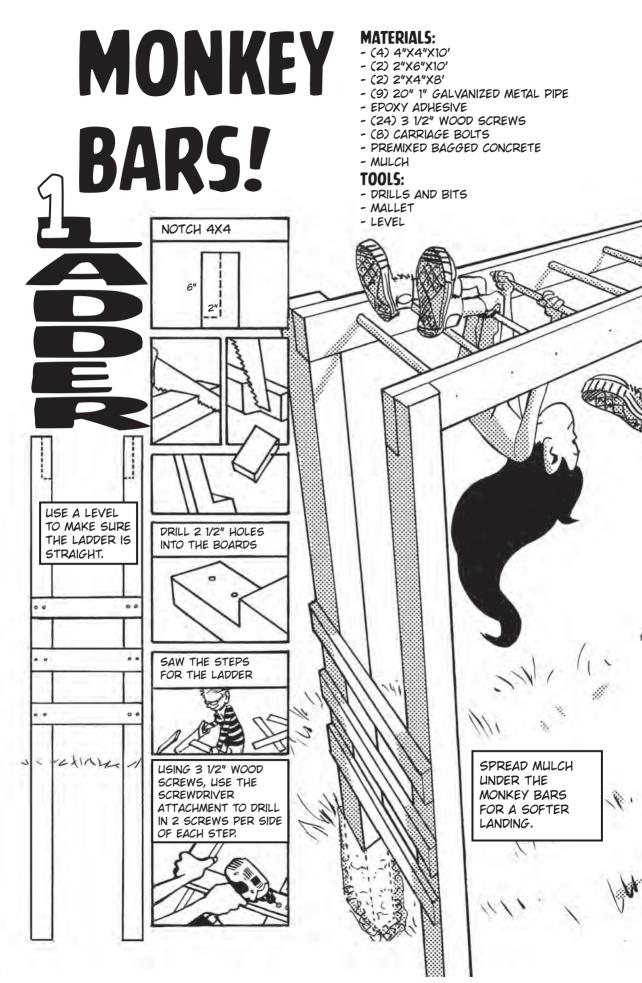


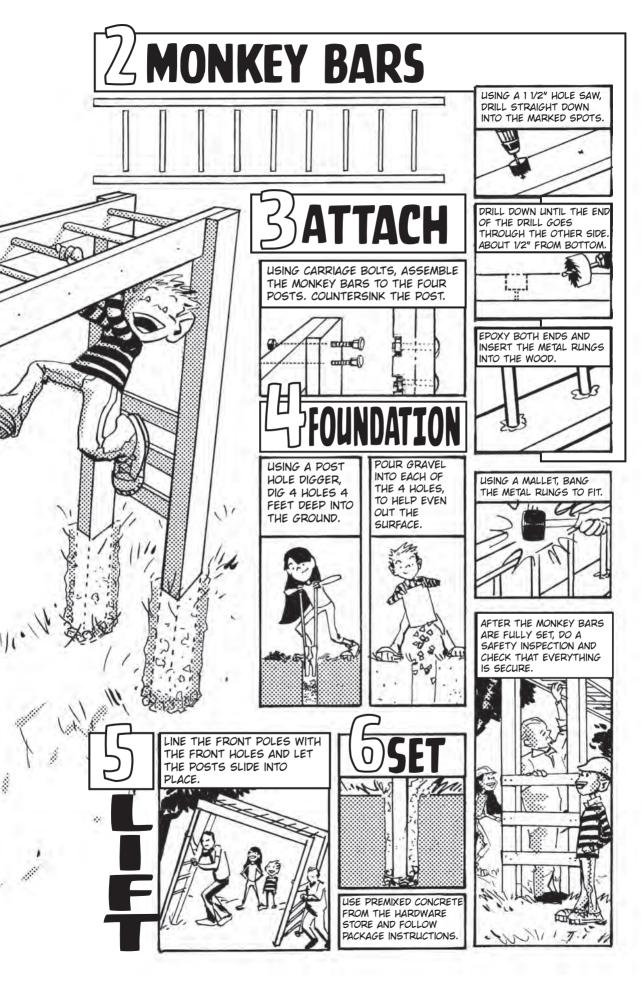












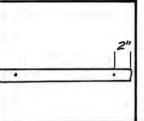


NOW THAT OUR MONKEY BARS ARE BUILT LET'S ADD A LADDER!

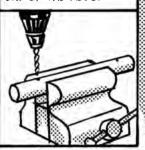


- 24 FEET OF 1/4" ROPE
- (8) 18"X1 1/2" HARDWOOD
- WOODEN RODS
- (2) EYELET SCREWS
- DUCT TAPE

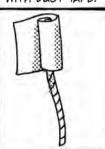
MEASURE AND MARK 2" FROM EACH END OF THE WOODEN RODS.



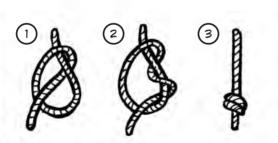
DRILL 1/4" HOLE IN EACH END OF THE RODS.



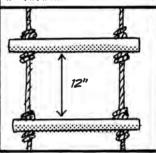
WRAP BOTH ENDS OF ROPE TIGHTLY WITH DUCT TAPE.



TIE A DOUBLE OVERHAND STOPPER KNOT.



TIE KNOTS SO THAT THE CENTER OF THE RODS ARE 12" APART.



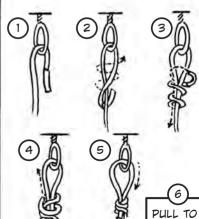
LET'S CONNECT THE LADDER USING A SCAFFOLD KNOT.



SECURE BOTTOM OF THE LADDER USING STAKES.



TIE A SCAFFOLD KNOT



TIGHTEN THE KNOT

