

USING A DRILL TO DRILL OR DRIVE SCREWS

Time to be Mr. or Miss Fixit again. Have you ever used a power drill before? These are super versatile tools. Originally they were used to drill holes. Well not anymore. Now they are probably used just as much for screwing screws in. Here are the steps we are going to go through to earn your Nugget. You must be under strict parental supervision the whole time.

FLIP OVER FOR YOUR NEXT CHALLENGE



EARN THIS NUGGET

Drill ten holes and screw ten screws. Try to use a variety of screws and select the correct screw driver bits for each.

LEVEL F

PERIOD 4

TASK 3

- Make sure you don't have any loose clothing that could get caught in the drill.
- Familiarize yourself with the drill and its features. They all have different features. The features you may find are:

- Forward and reverse
- Fast for drilling, slow for screwing in screws.
- Torque control (stops you tightening screws too tight).
- Hammer setting for drilling concrete. (We won't use this today.)

- First, put a drill bit in the drill. Make sure it is held in the center of the three jaws and that enough of the shank (smooth end of the drill) is in to be held tightly.

- On the correct setting, practice drilling holes in a piece of scrap wood. Be cautious of what is behind the piece of wood. You don't want to damage something when the drill goes through.

- Now, let's try screwing. Change the setting, if you can, and replace the drill bit for a screwdriver bit.

- Make sure that you have the right size and type of screwdriver bit. There are lots of different sizes and styles. The screw should stand on the bit and should grip well. If not, it will slide when you are trying to screw it in.

- Screw the screw in place. Go slow, but keep it

moving. You don't want it to stop if you can help it. Also, keep pressure on the screw bit to prevent it from slipping the screw head. Sometimes, it is helpful on a tough screw to reverse it out a little and then go back in. Make sure if the screw comes through the wood that it won't damage anything or hurt anyone.

