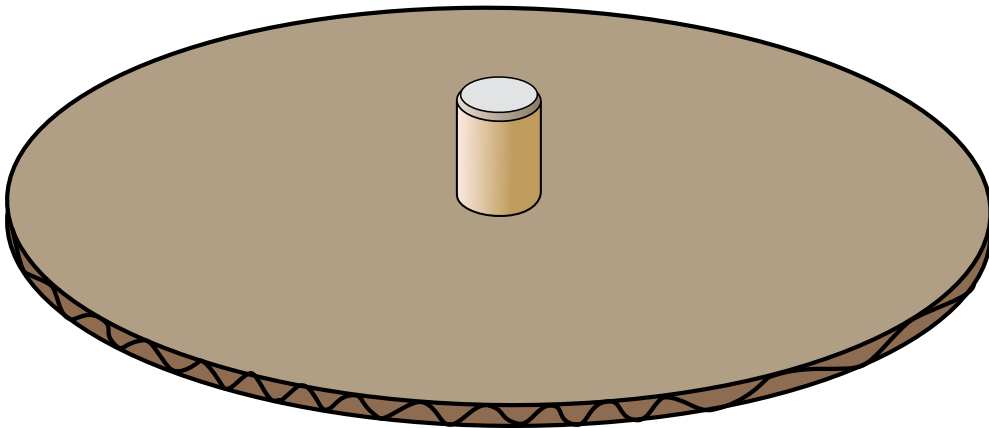


How to make a Spindle



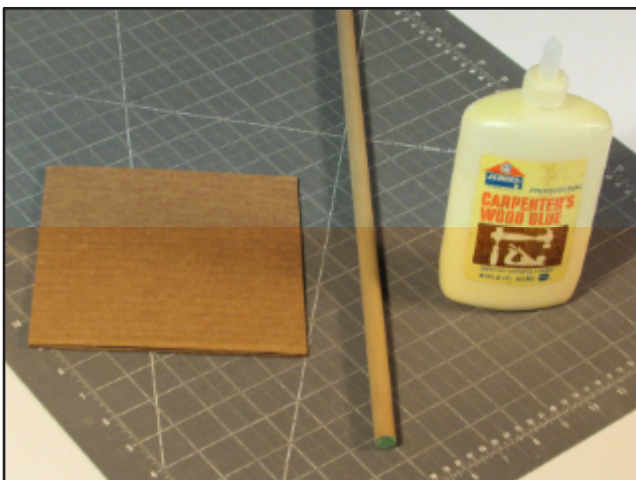
**To stack, store and display
your Connection Cards**

SAFETY FIRST

This is a project for adults or students with adult supervision.

Follow all safety precautions and recommendations of the tool manufacturers including, but not limited to, safety glasses with side shields, gloves, and/or leather aprons. The improper use of the tools required may result in injury. You assume all risks, TreeTops Publishing is not liable for any injury that might incur.

The Spindle combined with the Easel allows you to display your Connection Cards



Spindle Materials

7" x 7" plain Corrugated Cardboard

1/2" diameter Wood Dowel

Wood Glue

Spindle Tools

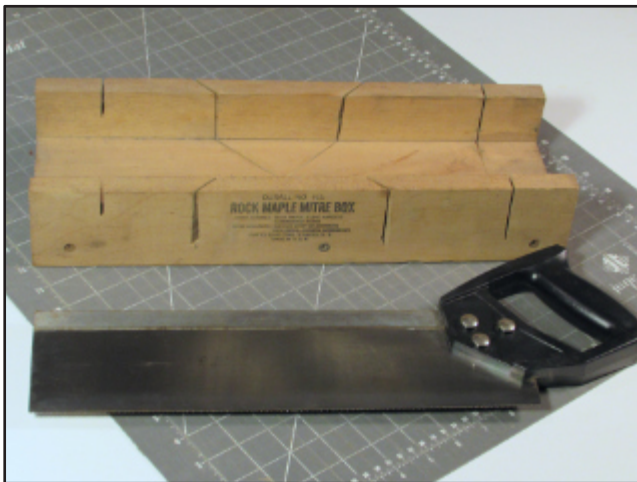
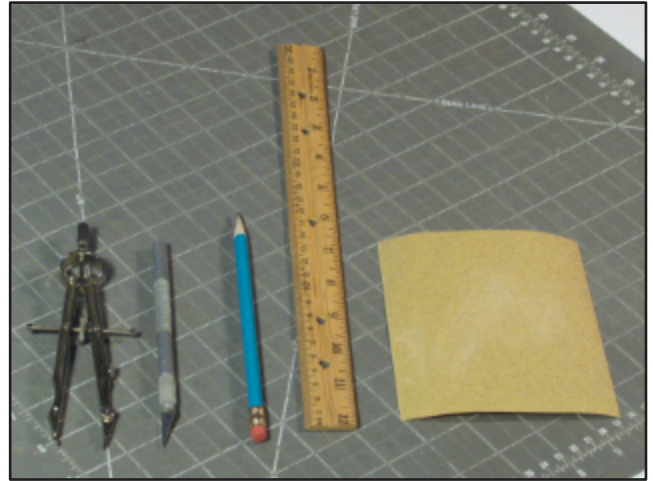
Compass

Hobby Knife

Pencil

Ruler

Fine Sandpaper

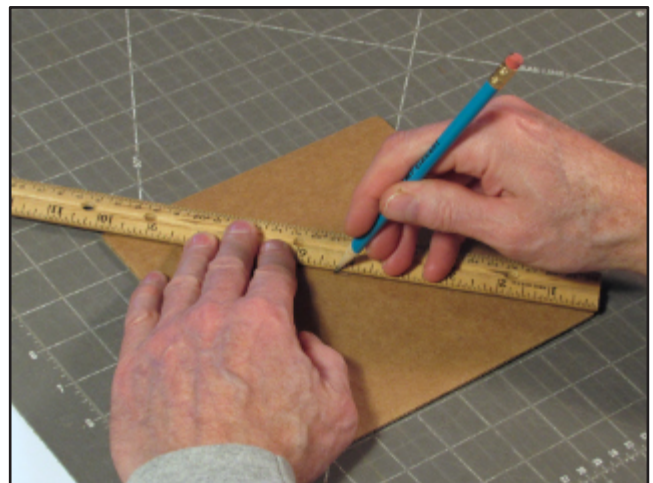


Cutting Mat

Mitre Box

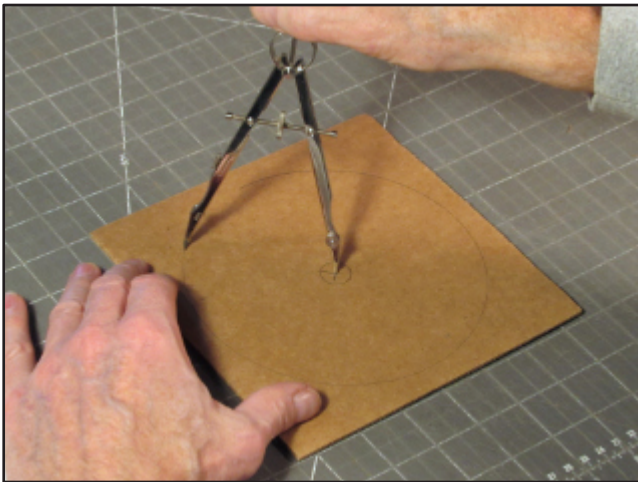
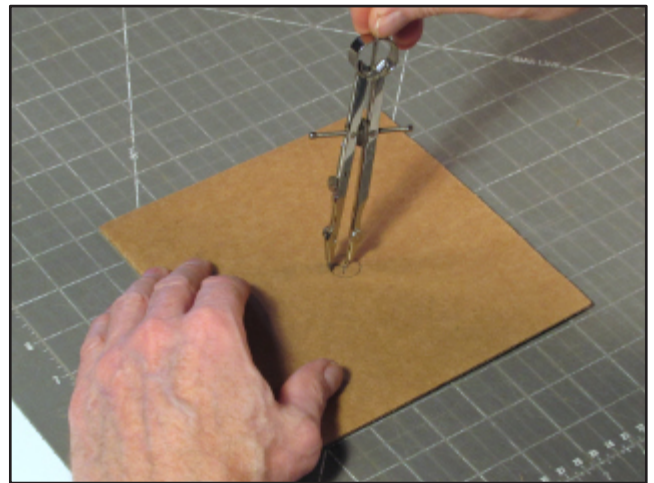
Mitre Saw

Step 1: Align a ruler across 2 diagonal corners and mark the approximate middle

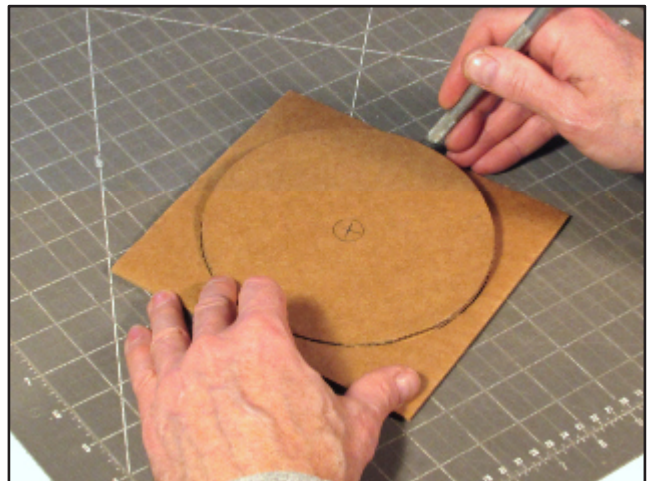


Step 2: Align the ruler to the opposite corners and mark the intersection to the first line

Step 3: Set the compass point to the intersection and draw a 1/2" diameter circle on the cardboard



Step 4: Using the same center point, draw a 6" diameter circle with the compass



Step 5: Cut out the 6" circle using a hobby knife



Step 6: Cut off a 1" long piece of wood dowel using the miter box and saw

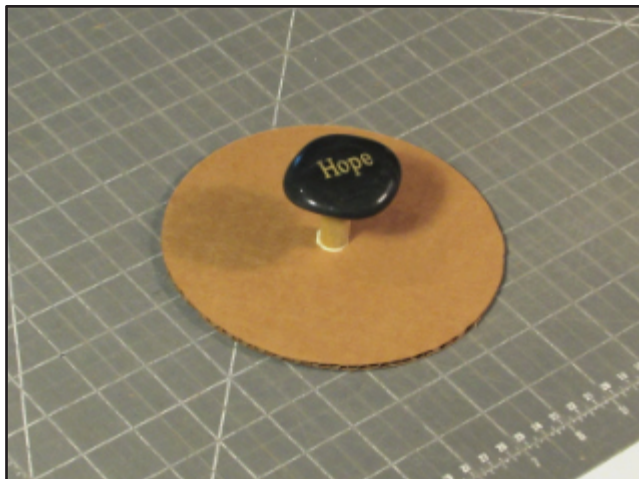
Step 7: Lay sandpaper on a flat surface and sand both ends of the dowel until smooth



Step 8: Hold the dowel at an angle and sand a bevel around one end



Step 9: Glue the non-beveled end of the dowel inside the middle circle on the cardboard



Step 10: Balance a weight on the dowel to hold in place and let dry