

עץ חיים היא

The Shtender Project

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Outline

I. The Vision

A. Educational Goals (cognitive, affective, psychomotor, spiritual)

Cognitive:

- Cultivate familiarity and comfort with research and exploration of Jewish text

Affective:

- Instill confidence in and love for use of tools to create, build, and fix, and work with hands (אומנות) , as well as overcome any obstacles that are inherent to the process
- Build a love for and appreciation of Torah and tefillah
- Develop a confidence and love of working with your hands

Psychomotor

- Develop a proficiency when using a variety of hand and power tools
- Employ creativity and artistic ability using various modalities and tools (stencils, soldering, etc.)

B. Objectives

The learners will:

- Use a drill to make a hole
- Use a screwdriver to put a screw in
- Use a band-saw to cut a straight line
- Use a wood-burning pen to embellish their workpiece
- Know how to properly use and behave around power tools in a safe manner
- Sand their workpiece safely and efficiently using a mouse sander
- Use sandpaper to smooth the edges of their workpiece

- Use a hammer in a controlled manner to hammer in nails
- Use a hot glue gun to affix parts of the piece together
- Utilize (research) various Judaic texts to find a pasuk or concept that they wish to use on their workpiece.
- Follow instructions to put together and decorate a working table shtender

C. Enduring messages and Values

- Recycling/Caring for environment (usage of a fallen tree)
- *Torah Im Derech Eretz* (crafting, working with hands, vocational skills)
- *Kavod HaBriyot* (respect for environment, one another)
 1. Individual within the collective (Each student engaged in the same project and had to share/allocate materials, but had their own unique touch and imprint)
 2. Man's uniqueness/ comparison to a tree

II. Implementation

- A. Directions/ Step-by-step
- B. Teacher demonstrated and lead small groups through each process
- C. Reference and resource

D. Materials list

- Cut rounds from a tree
- Hinges and screws

A. Tools

- Drill
- Band-saw
- Phillips screwdriver
- Hammer
- Glue gun and glue sticks
- Wood-burning pen with various tips

Shtender Project Materials list

Materials:

Rounds of wood (cut from a fallen tree)

1 inch hinge with screws

1x3 lumber cut to approximately ½ the size of wooden round

½ inch square dowel or quarter round

Stencil with Hebrew letters

Art supplies

Tools:

Hammer

Drill

Screwdriver

Band saw (can use other types of saws if available)

Glue Gun

Wood burning pen

Shtender Project Instructions

1. Cut rounds from log or fallen tree using chainsaw (tree companies will do this.)
2. Using band saw or similar, cut approx. 2 in from the round. Save this piece for later.
3. Cut 1x3 lumber to approximately half the size of the wooden round (this will depend on the size of the individual piece but does not need to be exact.)
4. One side of the 1x3 piece should be cut at a 45° angle so that there is more contact with the table when it is propped up.
5. Pre-drill holes to prevent splitting and attach hinge to lumber.
6. Using a pencil mark hole from hinge to the back of the wooden round, making sure that the “leg” is high enough so the shtender does not topple.
7. Pre-drill holes to prevent splitting and attach hinge to wooden round, observing the way the hinge opens and on which side the 45° is.
8. Attach square dowel/quarter round/ cut piece from step 2 to bottom using hot glue as a book ledge
9. Using stencil trace out pasuk or saying onto the wooden round
10. If desired, embellish design with wood burning pen and or other art supplies